

DECK LOG - WEATHER OBSERVATION SHEET

NOAA SHIP	DAY	DATE	TIME ZONE
MILLER FREEMAN	FRI	JULY 18	+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	IN PORT											
03	KOWAK, AL											
04												
05												
06												
07												
08	57° 43.6' N 152° 31.0' W	CL	6	090	8	—	—	—	—	1018.9	12.7	11.4
09		CL	6	050	6	—	—	—	—	1019.2	12.0	11.7
10		CL		050	7					1019.6	12.0	11.8
11												
12												
13		CL		050	8	—	—	—	—	1020.1	12.0	11.7
14												
15												
16	57° 43.0' N 152° 30.1' W	CL	8	080	11	—	—	—	—	1020.5	14.0	12.5
17	57° 43.9' N 152° 16.6' W	CL	8	052	9	2	100	4-5	—	1020.9	11.2	10.9
18	57° 44.3' N 152° 14.3' W	CL	8	076	10	2-3	100	4-6	9.0	1020.9	13.5	13.0
19	57° 43.7' N 152° 16.4' W	CL	8	080	10	2-3	100	4-6	10.5	1020.5	12.0	11.2
20	57° 43.3' N 152° 00.1' W	CL		065	10	2-3	150	4-8	9.5	1020.2	11.5	11.2
21	57° 40.3' N 152° 02.8' W	CL	10	060	10	3	160	6-7	10.1	1020.0	13.2	12.6
22												
23	57° 50.3' N 152° 04.7' W	CL	10	053	11	2-3	160	4-5	10.2	1020.1	13.0	12.0
24	57° 51.1' N 152° 03.8' W	CL	10	050	10	2-3	150	4-5	10.2	1020.0	11.5	11.2

REMARKS

NOAA SHIP	DAY	DATE	TIME ZONE
MILLER FREEMAN	SATURDAY	19 July 03	+8

[illegible]

DECK LOG - WEATHER OBSERVATION SHEET

NOAA SHIP	DAY	DATE	TIME ZONE
MILLER FREEMAN	SUNDAY	20 July 03	+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°53.5' N 151°25.6' W	CL	08	002	17	1-2	140	4-6	13.0	1007.1	12.2	12.0
02	56°56.3' N 151°30.4' W	CL	08	025	20	2-3	140	4-6	13.0	1006.9	12.1	12.0
03	57°02.1' N 151°35.2' W	CL	08	020	25	2-3	150	4-6	11.2	1006.0	12.2	12.0
04	56°59.5' N 151°33.7' W	CL	8	010	24	2-3	100	6-8	12.1	1005.1	12.0	11.7
05	56°54.6' N 151°28.6' W	CL	8	007	24	2-3	185	4-6	13.0	1003.8	12.2	12.0
06	56°57.2' N 151°30.1' W	R/F	7	026	24	2-4	030	4-6	13.0	1003.1	14.0	13.8
07	56°53.1' N 151°29.4' W	R/F	42	035	27	2-4	040	5-7	13.0	1003.8	13.4	13.2
08	56°53.8' N 151°31.1' W	R/F	42	030	22	5-6	—	—	12.9	1003.5	13.8	13.5
09	56°51.0' N 151°35.2' W	CL	6	060	24	6-7	—	—	12.8	1003.5	14.2	14.0
10	56°48.4' N 151°27.4' W	CL	6	060	22	7	080	6	12.4	1003.2	13.2	13.0
11	56°42.4' N 151°17.4' W	CL	6	068	18	6	180	2-3	12.4	1003.5	13.8	13.0
12	56°41.4' N 151°19.3' W	CL	8	055	18	7	110	10-12	12.4	1004.5	15.4	14.8
13	56°41.7' N 151°26.1' W	PC	08	040	18	3-6	120	4-8	12.4	1004.2	13.9	13.0
14	56°43.5' N 151°13.6' W	CL	07	042	18	3-6	110	5-10	12.4	1005.0	14.0	13.2
15	56°39.4' N 151°07.2' W	CL	06	035	18	3-6	110	5-10	12.3	1004.9	14.0	13.2
16	56°30.9' N 151°04.5' W	CL	06	035	18	2-4	120	6-8	11.9	1004.8	14.0	13.5
17	56°28.7' N 151°03.8' W	F	42	045	17	2-4	090	6-8	11.9	1004.3	12.8	12.6
18	56°29.2' N 151°04.0' W	F	04	055	19	4-6	100	6-8	11.9	1005.4	14.0	13.5
19	56°30.6' N 151°01.1' W	F	08	052	18	4-6	100	6-9	11.8	1005.2	13.8	13.0
20	56°23.6' N 150°54.9' W	CL	04	030	17	4-6	110	6-9		1005.5	13.0	12.5
21												
22	56°17.41' N 150°50.1' W	F	02	045	15	4-6	100	5-8	11.5	1005.8	13.2	12.9
23	56°16.2' N 150°50.9' W	FUG/PC	02	050	13	3	100	6	13.4	1006.8	12.5	12.5
24	56°16.9' N 150°50.7' W	CL	05	038	13	1-3	090/110	5-8	11.5	1007.1	12.3	12.2

REMARKS

DECK LOG - WEATHER OBSERVATION SHEET

NOAA SHIP	DAY	DATE	TIME ZONE
MILLER FREEMAN R223	MONDAY	21 JUL 03	+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° 02.4' N 151° 06.2' W	CL	06	044	12	1-2	055	6-8	11.5	1007.4	12.8	12.4
02	56° 06.9' N 151° 25.9' W	CL	08	040	13	1-2	050	6-8	11.3	1008.0	13.4	13.2
03	56° 01.4' N 151° 43.9' W	CL	08	030	20	2-3	—	—	11.3	1008.4	13.4	13.1
04	55° 45.8' N 153° 05.0' W	CL	06	016	12	1-2	—	—	11.1	1008.8	13.4	12.9
05	55° 50.2' N 152° 22.3' W	CL	10	021	14	1-2	—	—	10.8	1009.0	13.4	12.9
06	55° 44.6' N 152° 41.3' W	CL	10	020	20	1-2	036	3-4	11.1	1010.0	13.7	13.0
07	55° 40.7' N 152° 51.6' W	F	<2	027	14	1-2	050	3-4	11.2	1010.0	12.9	12.7
08	55° 40.4' N 152° 54.3' W	F	1	028	13	1-2	050	3-4	11.3	1010.4	12.2	12.1
09	55° 34.9' N 152° 55.3' W	F	1-2	025	12	1-2	050	3-4	11.2	1011.0	13.2	13.0
10	55° 42.3' N 152° 53.6' W	CL	8	030	11	1-2	040	3-4	11.2	1011.1	14.0	13.5
11	55° 58.4' N 153° 07.9' W	PC	10	035	12	2	040	4	12.3	1013.2	13.8	13.0
12												
13	55° 52.2' N 153° 10.2' W	PC	07	021	14	1-3	060/110	4-7	12.3	1014.1	13.1	12.8
14	56° 02.7' N 153° 16.7' W	PC	10	013	07	1-3	60/110	3-6	10.5	1015.5	13.1	12.5
15												
16	56° 02.8' N 153° 20.3' W	PC	10	355	7	<1	060	2	12.9	1016.0	13.9	12.9
17												
18	56° 08.3' N 153° 19.4' W	PC	10	040	7	1-2	—	—	13.1	1016.8	18.1	16.2
19	56° 14.6' N 153° 28.6' W	CL	10	034	5	—	100	1-2	11.7	1017.0	16.8	14.9
20	56° 14.4' N 153° 28.1' W	CL	10	028	6	—	100	1-2	11.8	1017.3	13.8	13.2
21	56° 04.9' N 153° 26.5' W	PC	10	350	6	—	100	2	10.8	1017.9	12.0	11.7
22	56° 23.2' N 153° 15.4' W	PC	10	345	7	<1	100	2	11.2	1018.2	11.9	11.7
23	56° 28.5' N 153° 13.2' W	PC	10+	017	6	—	100	2	11.7	1018.4	12.0	12.0
24	56° 23.1' N 153° 11.8' W	PC	08	330	4	1	110	2	11.6	1019.3	12.1	12.0

REMARKS

DECK LOG - WEATHER OBSERVATION SHEET

NOAA SHIP	DAY	DATE	TIME ZONE
MILLER FREEMAN R223	TUESDAY	22 JUL 03	+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° 22.7' N 153° 10.9' W	PC	10	VAR	4.0	<1	140	3-4	10.7	1019.5	12.2	12.0
02	56° 22.1' N 153° 10.5' W	PC	10	VAR	3.0	<1	—	—	10.2	1020.0	12.7	12.0
03	56° 22.4' N 153° 13.3' W	PC	10	VAR	2.0	<1	—	—	10.0	1020.0	12.8	12.3
04	56° 24.5' N 153° 21.8' W	PC	10	220	03	<1	—	—	10.3	1020.1	11.9	11.5
05	56° 27.1' N 153° 34.4' W	PC	10	196	04	21	—	—	10.6	1020.2	11.9	11.5
06	56° 27.8' N 153° 42.1' W	PC	10	210	06	<1	120	1-2	11.6	1020.4	12.9	11.5
07	56° 28.9' N 153° 42.8' W	P.C.	10	200	06	1	130	2-3	12.0	1020.5	13.0	12.5
08	56° 33.9' N 153° 48.1' W	PC	10	198	6	<1	100	3	11.2	1021.0	13.0	12.5
09	56° 41.8' N 153° 20.2' W	P.C.	8	190	5	<1	100	2-3	11.7	1021.0	15.2	13.8
10	56° 42.0' N 153° 54.1' W	F	<1	230	06	1	100	2-3	11.3	1021.2	16.5	15.2
11	56° 39.6' N 153° 58.1' W	PC	08	224	13	1	100	7-3	11.1	1021.5	16.8	15.1
12	56° 38.1' N 154° 12.7' W	C	8	350	4	<1	—	—	10.9	1021.9	16.6	15.0
13	56° 34.1' N 154° 34.3' W	C	10	165	07	<1	/	/	11.3	1022.5	13.5	12.5
14	56° 41.3' N 154° 46.8' W	C	11	165	08	1	/	/	12.1	1022.5	17.1	15.0
15									12.1			
16	57° 17.9' N 154° 51.7' W	C	11	156	10	<1	210	1	12.3	1022.2	21.0	18.8
17	57° 27.8' N 154° 45.4' W	C	10	190	14	<1	210	1	12.7	1024.9	21.6	18.4
18	57° 29.8' N 154° 48.4' W	C	10	205	15	<1	—	—	12.4	1021.5	16.0	14.9
19	57° 29.5' N 154° 48.0' W	C	10	200	12	1-2	—	—	12.5	1020.2	14.9	13.5
20	57° 27.8' N 154° 46.4' W	CLR	10	193	16	2	—	—	12.5	1021.0	19.0	17.5
21												
22	57° 27.8' N 154° 45.4' W	PC	10	185	18	2			12.1	1021.1	14.9	13.6
23		PC	8							1021.1	14.0	12.5
24	57° 25.2' N 154° 51.1' W	PC	06	161	18	2-3	200	3-4	12.1	1021.8	13.0	12.4

REMARKS

DECK LOG - WEATHER OBSERVATION SHEET

NOAA SHIP	DAY	DATE	TIME ZONE
MILLER FREEMAN R223	WEDNESDAY	23 JULY 03	+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° 25.4' N 154° 35.6' W	PC	08	168	20	1-3	—	—	11.8	1021.4	13.6	12.1
02	57° 22.7' N 154° 58.1' W	PC	08	160	23	2-4	—	—	12.2	1021.5	12.1	11.4
03	57° 22.1' N 154° 57.4' W	PC	08	156	24	2-4	—	—	11.9	1021.4	12.0	11.2
04	57° 24.2' N 154° 58.3' W	CL	8	165	25	3-4	—	—	12.0	1021.5	12.4	11.6
05	57° 36.4' N 155° 00.8' W	CL	08	169	23	3-5	—	—	11.9	1021.2	11.9	11.4
06	57° 35.2' N 155° 02.4' W	CL	8	165	23	3-5	—	—	12.7	1020.5	11.9	10.3
07	57° 36.7' N 155° 03.5' W	P.C	8	165	22	4-6	—	—	12.3	1020.0	13.0	12.0
08	57° 33.2' N 155° 01.6' W	P.C	8	160	20	4-6	—	—	11.8	1020.0	12.5	11.5
09	57° 31.1' N 155° 12.3' W	PC	10	160	22	4	—	—	12.7	1020.0	12.8	11.8
10	57° 42.5' N 155° 17.5' W	PC	10	160	20	4-5	—	—	12.7	1019.5	12.5	12.1
11	57° 49.7' N 155° 17.6' W	P.C	16	160	20	4-5	—	—	12.7	1019.5	13.6	12.8
12	57° 44.1' N 155° 00.3' W	CL	08	131	10	4-5	—	—	13.0	1019.3	15.2	13.8
13	57° 47.3' N 154° 53.0' W	CL	10	020	10	4-5	—	—	13.1	1019.4	13.8	12.5
14	57° 56.0' N 154° 34.4' W	CL	11	300	10	1	235	2	12.9	1019.7	14.5	12.2
15	58° 03.7' N 154° 15.1' W	CL	11	225	06	71	275	2	12.6	1019.2	17.2	15.5
16	58° 10.5' N 154° 05.1' W	CL	10	160	09	71	230	71	12.5	1018.8	18.4	16.2
17	58° 21.9' N 153° 55.7' W	CL	10	156	08	41	—	—	12.8	1018.0	14.8	12.9
18	58° 23.3' N 153° 55.0' W	CL	8	120	10	1-2	—	—	13.1	1017.5	14.0	13.5
19												
20	58° 11.1' N 153° 41.1' W	CL/L	10	VAR	EA2	0	—	—	13.5	1016.6	14.7	13.2
21	58° 11.7' N 153° 42.1' W	CL/L	10	VAR	<5	0	—	—	13.5	1017.0	14.7	13.6
22	58° 09.4' N 153° 37.6' W	CL	8	135	12	1	—	—	13.3	1016.8	14.1	13.2
23	58° 06.2' N 153° 32.0' W	CL	8	140	23	2-3	—	—	13.3	1016.0	13.6	12.2
24	58° 06.8' N 153° 33.1' W	CL	8	127	20	1-2	—	—	13.0	1016.2	14.8	13.2

REMARKS

DECK LOG - WEATHER OBSERVATION SHEET

NOAA SHIP	DAY	DATE	TIME ZONE
MILLER FREEMAN R223	THURSDAY	24 JULY 03	+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° 10.7' N 153° 38.9' W	R	07	117	20	2-4	—	—	13.5	1015.2	13.3	12.2
02	53° 10.1' N 153° 33.6' W	R	07	120	17	2-3	—	—	13.1	1015.2	13.3	12.1
03	53° 09.9' N 153° 29.6' W	L	07	132	14	1-3	—	—	13.1	1015.6	12.7	11.9
04	53° 09.8' N 153° 26.0' W	L	8	140	14	1-3	—	—	13.6	1015.4	14.1	13.1
05	53° 09.4' N 153° 22.3' W	CL	8	145	6	1-2	—	—	13.5	1015.2	14.7	13.1
06	53° 09.0' N 153° 22.3' W	CL	8	123	8	<1	—	—	13.5	1015.1	13.7	12.0
07	53° 02.6' N 153° 24.5' W	CL	8	100	14	2-3	—	—	13.0	1015.0	13.5	12.5
08	53° 02.9' N 153° 24.1' W	CL	8	120	14	2-3	—	—	13.1	1015.0	13.5	12.2
09	53° 02.7' N 153° 25.3' W	CL	8	130	13	2-3	—	—	13.0	1015.0	14.9	13.3
10	53° 17.4' N 153° 12.2' W	CL	08	131	13	2-3	—	—	13.1	1014.8	15.7	14.3
11	53° 20.8' N 153° 58.6' W	CL	08	143	15	2-3	—	—	13.9	1015.0	15.8	14.3
12	53° 35.1' N 153° 44.9' W	CL	8	125	14	2-3	—	—	13.2	1015.0	16.0	14.8
13	53° 04.1' N 153° 24.2' W	CL	10	142	17	2-3	—	—	12.1	1014.5	15.5	14.2
14	53° 04.1' N 152° 06.1' W	CL	10	147	17	3-4	/	/	9.6	1015.9	15.0	13.7
15	53° 04.6' N 151° 43.1' W	CL	10	150	20	6-8	/	/	11.5	1016.9	15.5	14.0
16	53° 56.4' N 151° 25.6' W	CL	7	146	18	2-3	170	3-4	11.6	1017.0	16.3	14.9
17	53° 02.8' N 151° 13.5' W	CL	2	131	16	2-3	170	2-4	13.5	1017.2	14.6	13.8
18	53° 09.8' N 150° 50.3' W	CL	2	130	12	2-3	170	3-4	13.7	1017.2	12.8	12.5
19	53° 08.7' N 150° 58.2' W	CL/L	2	126	09	2-3	170	3-4	13.7	1017.2	12.9	12.8
20	53° 09.4' N 150° 54.3' W	CL/L	2	150	12	2-3	170	3-4	13.9	1017.0	13.2	12.9
21	53° 03.4' N 150° 51.4' W	CL/L	2	125	11	2-3	170	3-5	13.4	1016.2	12.0	11.7
22	53° 01.7' N 150° 56.3' W	CL/L	1	125	14	2-3	170	3-5	13.4	1016.0	12.7	12.5
23	53° 01.4' N 150° 51.9' W	CL	3	113	13	3	170	3	13.9	1015.3	12.2	12.2
24	53° 50.1' N 150° 49.3' W	CL/L	2	131	14	1-2	145	3-5	13.0	1015.2	12.2	12.3

REMARKS

DECK LOG - WEATHER OBSERVATION SHEET

NOAA SHIP	DAY	DATE	TIME ZONE
MILLER FREEMAN R223	FRIDAY	25 JUL 03	+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° 54.7' N 150° 45.3' W	SW	04	135	13	2-4	165	4-5	13.1	1015.2	12.1	12.1
02	58° 51.0' N 150° 40.2' W	SW	06	130	12	2-4	—	4-6	13.3	1015.1	12.2	12.0
03	58° 48.9' N 150° 40.3' W	C	05	130	12	2-3	—	—	13.3	1015.1	12.3	12.1
04	58° 51.9' N 150° 41.7' W	CL	6	134	12	2-3	—	—	13.4	1014.2	13.8	13.4
05	58° 40.2' N 150° 38.9' W	CL	06	131	13	1-2	—	—	13.4	1014.0	14.6	13.7
06	58° 53.2' N 150° 44.0' W	CL/L	07	130	13	1-2	160	1-2	13.1	1013.8	12.2	12.1
07	58° 53.6' N 150° 44.9' W	CL/L	8	140	12	2-3	150	2-3	13.1	1013.8	13.0	12.6
08	58° 47.8' N 150° 39.3' W	DRIZZLE	6	095	12	2-3	180	3	12.8	1013.0	12.2	12.0
09	58° 44.7' N 150° 39.7' W	L	6	125	12	2-3	170	2-3	12.9	1013.1	12.5	12.2
10	58° 43.1' N 150° 36.1' W	CL	8	110	12	1-2	160	2-3	12.7	1013.1	13.0	12.5
11	58° 36.4' N 150° 30.3' W	CL	10	088	09	1-2	145	3-4	13.2	1012.8	12.4	11.9
12	58° 35.0' N 150° 32.0' W	CL	09	098	11	1-2	185/140	3-4	13.2	1012.9	13.5	13.0
13	58° 35.0' N 150° 26.5' W	CL	08	088	12	1-2	185/145	3-4	12.7	1013.0	14.6	13.0
14	58° 25.1' N 150° 21.8' W	CL/R	10	080	11	2-3	—	2-3	11.2	1012.5	11.8	11.8
15	58° 25.2' N 150° 40.5' W	CL/L/F	>1	075	08	1-2	200/145	3	11.3	1012.3	13.0	12.7
16		CL/L	07			1-2						
17	58° 20.6' N 150° 14.8' W	CL/L	07	095	11	1-2	200	2-3	10.1	1011.5	11.5	11.2
18	58° 15.7' N 150° 16.3' W	CL/L	06	085	10	1-2	200	3-4	10.7	1011.5	12.0	12.0
19	58° 16.1' N 150° 14.7' W	CL/L	08	090	10	1-2	200	3-4	10.8	1011.3	12.8	12.7
20	58° 08.5' N 150° 09.3' W	CL	07	070	12	2-3	—	—	12.3	1010.7	12.5	12.5
21	58° 06.6' N 150° 10.1' W	CL	10	090	12	2	—	—	12.1	1010.6	12.8	12.5
22	58° 07.1' N 150° 05.9' W	CL	07	095	13	2	200	3-4	12.9	1010.3	13.0	12.9
23	58° 11.8' N 150° 10.4' W	CL	3	100	13	1-2	160	2-4	11.8	1010.5	11.2	12.2
24	58° 18.8' N 150° 19.2' W	CL	07	071	10	1-2	070	2-4	10.7	1010.8	11.8	11.8

REMARKS

DECK LOG - WEATHER OBSERVATION SHEET

NOAA SHIP	DAY	DATE	TIME ZONE
MILLER FREEMAN R223	SATURDAY	26 JULY 03	+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° 19.1' N 150° 19.6' W	R	06	090	11	1	—	—	10.9	1011.0	11.4	11.4
02	53° 18.8' N 150° 17.4' W	R	06	082	09	1	—	—	11.2	1011.0	11.4	11.4
03	53° 18.2' N 150° 12.1' W	R	06	089	09	1	—	—	10.8	1011.0	11.5	11.4
04	53° 14.0' N 150° 16.0' W	CL	06	075	11	1	—	—	11.5	1010.8	11.6	11.5
05	53° 05.1' N 150° 03.9' W	CL	06	070	10	1	—	—	10.9	1010.9	11.5	11.4
06	57° 55.0' N 150° 02.6' W	CL/L	06	080	09	1-2	—	—	13.4	1010.8	12.6	12.5
07	57° 57.8' N 150° 03.3' W	CL/L	4	090	10	1-2	140	2-3	13.2	1010.9	13.0	12.8
08	57° 58.1' N 149° 58.7' W	CL/L	5	090	14	2-3	140	2-3	12.9	1011.1	13.5	13.2
09	57° 44.9' N 149° 55.7' W	CL	4	075	12	2	140	3	12.9	1011.4	12.8	12.5
10	57° 50.3' N 149° 56.0' W	CL	8	100	08	1-2	140	3	12.9	1011.6	13.0	12.6
11	57° 43.1' N 149° 54.4' W	CL	10	090	07	1	140	3-4	13.1	1012.1	13.1	12.8
12									1			
13												
14	57° 32.3' N 149° 15.3' W	CL	10	055	05	>1	145	3-4	13.3	1013.7	15.4	14.4
15	57° 29.0' N 149° 42.0' W	CL	10	CALM VARIABLE		<1	—	—	13.1	1014.5	15.1	15.3
16									10.7			
17	57° 29.2' N 149° 40.7' W	PC	10	3	140	<1	130	2-3	13.2	1014.8	16.0	14.7
18	57° 25.1' N 149° 36.9' W	PC	10	120	03	<1	130	2-3	13.2	1014.8	16.8	15.1
19	57° 20.2' N 149° 33.2' W	PC	10	VARIABLE		<1	190	2-3	14.3	1014.9	16.9	15.1
20	57° 20.9' N 149° 33.9' W	PC	10	VARIABLE		<1	195	2	13.1	1015.0	16.8	14.0
21	57° 17.2' N 149° 30.7' W	PC	10	VAR	04	<1	—	—	13.6	1015.3	15.5	14.0
22	57° 11.6' N 149° 24.0' W	CL	8	265	11	1	195	3	13.6	1016.2	14.0	13.2
23	57° 11.1' N 149° 28.4' W	CL	10	270	12	1	190	3	13.6	1016.2	13.9	13.0
24	57° 11.3' N 149° 26.7' W	PC	08	243	10	1	200	2-3	13.3	1017.0	13.5	12.6

REMARKS

DECK LOG - WEATHER OBSERVATION SHEET

NOAA SHIP	DAY	DATE	TIME ZONE
MILLER FREEMAN R223	SUNDAY	27 JULY 2003	+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° 11.3' N 148° 21.8' W	PC	08	250	11	1	200	2-3	13.3	1017.1	13.2	12.5
02	57° 18.7' N 148° 18.9' W	PC	08	260	11	1	—	—	13.2	1018.0	13.8	12.9
03	57° 26.0' N 148° 15.3' W	PC	08	250	10	2	—	—	13.3	1018.0	13.7	12.8
04	57° 34.9' N 148° 43.5' W	CL	08	243	09	1-2	—	—	13.2	1018.2	13.7	12.9
05	57° 43.4' N 148° 28.1' W	CL	10	235	08	1	—	—	12.9	1018.7	13.6	12.9
06	57° 52.3' N 148° 12.1' W	CL	08	237	08	1	215	2-3	13.2	1018.8	14.0	13.2
07	58° 00.2' N 147° 53.3' W	CL	08	230	10	1	210	2-3	13.5	1018.9	15.0	14.2
08	58° 01.8' N 147° 46.4' W	CL	10	230	12	2	210	3	13.8	1019.0	13.2	12.5
09	58° 06.9' N 147° 47.1' W	CL	10	238	10	2	210	3	13.4	1019.0	14.0	13.0
10	58° 07.1' N 147° 48.3' W	CL	10	220	12	2	210	3	13.5	1020.0	14.4	13.7
11	58° 05.9' N 147° 46.3' W	CL	10	220	12	2-3	210	3-4	13.5	1020.0	14.8	13.0
12	58° 17.7' N 147° 16.4' W	PC	10	200	15	2-3	—	—	13.5	1021.0	15.5	13.8
13	58° 14.6' N 147° 56.3' W	PC	08	202	14	2-4	—	—	13.5	1021.1	15.5	13.6
14	58° 14.9' N 147° 57.3' W	CL	10	217	14	2-4	—	—	13.6	1021.2	14.5	13.5
15	58° 14.4' N 147° 56.1' W	CL	08	217	13	2-4	—	—	13.5	1020.1	14.0	12.4
16												
17												
18	58° 23.3' N 148° 05.9' W	CL	10	170	12	2-3	230	2-4	14.0	1020.8	13.7	11.5
19	58° 22.7' N 148° 03.7' W	PC	10	150	14	3-4	—	—	14.1	1020.0	13.0	11.6
20	58° 24.9' N 148° 04.0' W	CL	11	130	14	3-4	—	—	14.0	1020.2	15.0	15.3
21	58° 32.7' N 148° 12.9' W	CL	10	135	16	3-4	—	—	13.8	1019.6	14.9	12.9
22												
23	58° 32.4' N 148° 12.4' W	CL	10	120	20	3-4	—	—	13.8	1018.9	13.1	12.7
24	58° 32.1' N 148° 12.4' W	L	06	117	19	3-4	—	—	13.8	1018.5	13.0	12.7

REMARKS

2100 OBSERVATIONS NOT TAKEN DUE TO OPERATIONS

DECK LOG - WEATHER OBSERVATION SHEET

NOAA SHIP	DAY	DATE	TIME ZONE
MILLER FREEMAN R223	MONDAY	28 JUL 2003	+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° 34.1' N 148° 14.4' W	R	06	115	18	2-4	—	—	13.7	1018.0	13.0	12.8
02	58° 40.3' N 148° 20.15' W	BL	07	120	20	2-4	—	—	13.9	1018.0	14.0	13.8
03	58° 44.4' N 148° 30.7' W	L		110	18	5	—	—	14.1	1017.0	14.6	14.2
04	58° 42.8' N 148° 28.3' W	CL/L	08	181	13	4	—	—	13.7	1016.8	13.8	13.5
05	58° 38.0' N 148° 27.4' W	CL/L	09	161	14	2-4	—	—	13.7	1016.6	13.8	13.4
06	58° 41.1' N 148° 20.5' W	CL/L	06	160	13	2-4	—	—	13.7	1016.5	11.9	11.5
07	58° 42.3' N 148° 21.6' W	CL/L	07	155	14	2-4	—	—	13.5	1016.5	13.0	12.8
08	58° 37.9' N 148° 19.2' W	CL	8	170	15	3-5	150	3-5	13.7	1016.2	13.2	12.8
09	58° 44.4' N 148° 26.1' W	CL	8	170	13	3-5	150	3-5	11.8	1016.3	15.0	13.8
10				No observations								
11	58° 47.1' N 148° 28.9' W	CL	8	200	13	2-3	150	3-5	14.0	1016.5	14.0	13.1
12	58° 44.8' N 148° 29.1' W	PC	10	225	11	2-3	—	—	14.0	1016.6	13.4	12.5
13	58° 38.3' N 148° 35.2' W	CL	10	195	10	2-3	—	—	14.1	1016.8	14.1	12.8
14	58° 39.9' N 148° 35.4' W	CL	10	210	10	2-3	185	3-3	14.0	1016.7	14.3	12.8
15	58° 57.0' N 148° 36.4' W	PC	10	211	09	1-2	170	3-4	14.0	1016.6	13.2	11.6
16	58° 05.3' N 148° 44.7' W	CL	10	212	10	1	190	3-4	14.2	1016.5	14.0	12.2
17	57° 06.2' N 148° 56.5' W	CL	12	240	05	2-3	—	—	14.5	1016.8	14.0	12.3
18	57° 08.8' N 148° 47.9' W	CL	12	203	09	2-3	—	—	14.3	1016.8	14.5	12.4
19		CL	10	207	10	2-3	130	2-3	13.5	1016.8	13.0	12.0
20	57° 15.7' N 148° 54.6' W	CL	10	210	07	2	130	2-3	14.1	1017.0	13.9	12.6
21	56° 21.8' N 149° 00.0' W	CL	10	211	7	2	060	4-6	14.3	1017.0	13.0	12.0
22	59° 24.0' N 149° 03.9' W	CL	11	200	8	2	090	4-6+	14.2	1017.4	13.8	12.7
23	59° 26.8' N 149° 57.5' W	CL	10	225	9	2	100	6-9	14.2	1017.8	13.9	12.7
24	59° 24.3' N 149° 03.9' W	CL	10	206	10	1-2	170	3-4	14.1	1018.2	13.2	11.9

REMARKS

DECK LOG - WEATHER OBSERVATION SHEET

NOAA SHIP	DAY	DATE	TIME ZONE
MILLER FREEMAN R223	TUESDAY	29 JUL 2003	+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° 31.9' N 149° 10.1' W	CL	08	198	07	1	100	4-5	14.1	1018.5	13.1	11.3
02	59° 32.1' N 149° 00.7' W	CL	08	190	08	1-2	—	—	14.1	1018.9	13.8	12.4
03	59° 33.3' N 149° 13.7' W	CL	08	200	10	1-2	—	—	13.4	1019.0	12.8	12.5
04	59° 34.1' N 149° 24.0' W	CL	08	158	04	1-2	230	3-4	14.1	1019.4	12.9	11.5
05	59° 33.5' N 149° 11.2' W	CL	06	210	04	1	215	3	13.6	1020.0	13.2	12.3
06	59° 32.1' N 149° 10.2' W	PC	8	200	04	<1	140	3-4	13.8	1020.2	13.5	12.2
07	59° 34.3' N 149° 12.0' W	P.C.	10	200	05	1	180	3-4	13.8	1020.5	13.5	12.5
08					ups?							
09	59° 43.4' N 149° 21.7' W	P.C.	10	060	06	1	160	4-6	13.5	1021.5	15.5	14.0
10	59° 48.7' N 149° 26.9' W	PC	6	045	03	1	—	—	13.2	1021.8	15.9	14.6
11												
12												
13												
14	60° 06.1' N 149° 26.5' W	PC	11	160	11	01	/	/	14.2	1022.2	14.5	12.5
15												
16	60° 06.4' N 149° 25.6' W	PC	11	160	14		/	/	15.3	1022.6	16.5	14.3
17												
18	60° 06.5' N 149° 25.6' W	CL	10	170	10	<1	—	—	16.3	1022.5	16.2	14.5
19												
20	60° 06.5' N 149° 25.6' W	CL	8	190	08	<1	—	—	17.3	1022.5	14.5	13.0
21												
22	60° 06.5' N 149° 25.6' W	CL	8	180	06	—	—	—	17.9	1022.2	13.5	12.0
23												
24	60° 06.5' N 149° 25.6' W	CL	6	120	02 04	—	—	—	18.4	1022.8	13.5	11.7

REMARKS

1400 DROP HOOK IN RESURRECTION BAY.

NOAA SHIP	DAY	DATE	TIME ZONE
MILLER FREEMAN	WEDS	30 Jul 03	+8

[illegible]

DECK LOG - WEATHER OBSERVATION SHEET

NOAA SHIP	DAY	DATE	TIME ZONE
MILLER FREEMAN 2223	THURSDAY	31 JULY 03	+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° 46.6' N 148° 50.7' W	PC	10	240	07	1-2	/	/	14.1	1021.0	14.5	12.3
02	59° 52.7' N 148° 41.1' W	PC	10	300	08	1-2	/	/	14.7	1019.8	11.3	10.4
03	59° 51.1' N 148° 31.4' W	PC	10	250	08	1-2	—	—	13.4	1019.0	13.0	11.9
04	59° 55.5' N 148° 40.0' W	PC	06	328	10	1	—	—	13.7	1018.8	13.0	12.3
05	59° 53.3' N 148° 48.0' W	PC	08	013	04	1	—	—	13.9	1018.4	12.9	11.9
06	59° 52.6' N 148° 37.4' W	PC	10	356	04	1	—	—	14.1	1018.0	13.1	12.2
07	59° 52.8' N 148° 30.0' W	PC	10	327	05	1	—	—	14.2	1017.6	15.5	13.3
08	59° 53.0' N 148° 51.8' W	PC	10	CALM		1	170	2-3	13.7	1017.8	15.0	13.0
09	59° 52.6' N 148° 47.1' W	PC	10	CALM		1	170	2	14.0	1017.8	17.2	14.8
10	59° 52.1' N 148° 51.7' W	PC	12	294	07	1	220	3	14.3	1017.6	24.0	11.8
11	59° 33.0' N 148° 51.8' W	PC	12	280	10	1-2	220	3	14.4	1017.5	15.0	13.0
12	59° 37.0' N 148° 47.2' W	PC	12	200	3-4	1	270	7	14.3	1017.5	15.0	13.6
13	59° 36.5' N 148° 47.3' W	PC	10	248	09	1-2	235	3	14.1	1017.1	14.2	11.5
14	59° 40.1' N 148° 51.9' W	C	10	240	02	<1	230	3	14.1	1017.0	18.5	15.4
15	59° 38.2' N 149° 00.9' W	C	10	320	6	<1	320	6-3	14.4	1016.8	16.1	13.8
16	59° 37.1' N 149° 10.3' W	C	10	273	11	1-2	210	3	14.5	1016.5	16.2	13.8
17	59° 42.6' N 149° 21.8' W	C	10	277	11	1-2	180	2	14.5	1016.2	18.2	14.5
18	59° 34.3' N 149° 23.1' W	C	10	258	10	1-2	185	2-3	14.8	1016.2	16.1	14.5
19	59° 38.0' N 149° 23.1' W	C	12	265	10	1-2	185	2-3	14.4	1016.5	17.8	15.5
20	59° 36.2' N 149° 25.2' W	C	12	300	12	2	190	2-3	14.9	1016.2	18.0	15.3
21	59° 36.6' N 149° 24.7' W	C	10	246	12	1-2	210	2-3	15.1	1016.0	17.2	13.8
22												
23	59° 40.3' N 149° 14.4' W	C	10	350	6	1	220	2	15.2	1016.1	16.5	13.2
24	59° 41.5' N 148° 51.5' W	C	10	346	5	1-2	225	2-3	13.9	1016.1	14.9	13.9

REMARKS

21 Hundred weather is now 2200 weather.

NOAA SHIP	DAY	DATE	TIME ZONE
MILLER FREEMAN	FRIDAY	01 AUG 03	+8

22
23

REMARKS

DECK LOG - WEATHER OBSERVATION SHEET

NOAA SHIP	DAY	DATE	TIME ZONE
MILLER FREEMAN	SATURDAY	02 AUG 03	+0

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° 29.3' N 146° 30.8' W	C	10	010	09	2-3	/	/	13.7	1015.3	14.0	13.3
02	59° 29.9' N 146° 30.5' W	C	08	010	04	2-3	/	/	11.7	1016.0	13.6	13.1
03	59° 24.2' N 146° 47.3' W	PC	06	030	04	2	/	/	11.9	1016.0	13.2	12.8
04	59° 26.5' N 146° 55.4' W	PN	08	050	02	1	/	/	13.2	1016.0	13.2	12.9
05	59° 17.0' N 147° 07.9' W	PC	08	052	02	<1	-	-	13.5	1016.0	13.2	13.0
06	59° 13.1' N 147° 09.4' W	PC	08	030	01	<1	/	/	15.0	1016.1	14.1	13.9
07	59° 14.7' N 147° 10.4' W	P.C.	10	1160	03	<1	230	2-3	15.0	1016.1	16.0	15.0
08	59° 08.9' N 147° 24.5' W	PC	10	060	01	<1	230	2-3	15.3	1016.2	20.0	23.0
09												
10	59° 03.6' N 146° 58.6' W	PC	10	VAR	1	1	-	-	14.2	1016.7	21.5	15.0
11	59° 03.5' N 146° 55.1' W	P.C.	10	VAR	1-2	<1	200	1-2	14.3	1017.0	19.8	17.2
12	58° 58.9' N 146° 52.03' W	PC	10	216	2	-	200	2	13.9	1017.0	17.9	15.9
13	58° 52.7' N 146° 43.5' W	PC	10	VAR	CALM	<1	245	2-4	14.3	1017.0	17.0	14.1
14	58° 53.7' N 146° 38.9' W	C	10	220	05	<1	210	3-4	14.7	1017.0	18.0	16.1
15		C	10	218	08	<1	230	1-2	14.3	1017.0	18.1	16.0
16	58° 54.7' N 146° 33.2' W	C	10	218	08	<1	230	1-2	14.3	1017.0	18.1	16.0
17	58° 59.3' N 146° 12.1' W	C	10	232	07	<1	240	2-3	15.0	1017.2	18.4	16.4
18	58° 59.9' N 146° 48.9' W	C	10	246	6	<1	250	2	15.1	1017.2	20.0	16.4
19	58° 22.6' N 146° 25.6' W	C	10	265	8	<1	260	2-3	15.1	1019.2	19.9	16.8
20	58° 03.4' N 145° 05.1' W	C	11	265	09	1	260	3-4	14.7	1017.2	21.0	18.3
21	59° 07.0' N 144° 51.0' W	C	11	265	05	71	260	3-4	14.3		22.3	18.3
22	59° 03.1' N 144° 42.8' W	C	10	240	06	<1	260	2-4	14.7	1017.6	18.4	16.3
23	59° 08.3' N 144° 41.3' W	C	10	227	05	<1	260	3-5	14.6	1017.9	15.4	14.5
24	59° 06.6' N 144° 54.4' W	PC	10	223	06	1	260	2-4	14.6	1018.0	14.8	14.1

REMARKS

DECK LOG - WEATHER OBSERVATION SHEET

NOAA SHIP	DAY	DATE	TIME ZONE
MILLER FREEMAN R223	SUNDAY	03 AUG 03	+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°07.0' N 144°49.3' W	PC	10	250	04	1	260	2-4	14.5	1018.0	14.2	14.0
02	59°07.6' N 144°44.7' W	PC	10	220	03	1	260	3	14.3	1018.1	14.2	13.9
03	59°07.7' N 144°44.7' W	PC	10	205	06	1	—	—	14.5	1018.2	14.2	14.0
04	59°08.7' N 144°37.9' W	PC	10	208	04	1	—	—	14.8	1017.9	14.5	13.8
05	59°09.1' N 144°36.4' W	PC	10	210	06	1	—	—	14.9	1017.8	15.2	14.4
06	59°08.8' N 144°37.7' W	PC	10	203	06	1	220	1-2	14.8	1017.5	14.7	13.9
07	59°10.6' N 144°36.2' W	PC	10	195	05	1	230	2-3	15.0	1017.5	16.2	15.6
08	59°14.3' N 144°36.3' W	PC	10	220	06	1	230	2-3	14.3	1018.0	15.9	14.9
09	59°14.2' N 144°36.9' W	PC	10	240	4	1-2	240	3	14.7	1017.6	15.0	14.7
10	59°18.9' N 144°33.7' W	PC	10	220	06	1-2	270	3-4	14.7	1018.0	15.2	14.5
11	59°20.4' N 144°37.1' W	PC	10	185	02	1	260	2-3	14.5	1018.1	16.8	15.6
12	59°28.8' N 144°36.5' W	PC	08	066	06	<1	250	2-3	14.2	1018.1	16.4	15.0
13	59°28.1' N 144°34.6' W	CL	10	127	03	<1	270	2	14.0	1018.5	18.5	17.0
14	59°30.2' N 144°40.3' W	CL	10	100	05	1	260	2	14.1	1018.4	20.8	18.5
15	59°37.9' N 144°36.2' W	PC	10	105	06	<1	220	2	13.6	1018.2	15.1	14.2
16	59°37.5' N 144°36.1' W	PC	10	129	06	<1	—	—	14.0	1018.1	16.1	14.6
17	59°43.4' N 144°39.9' W	PC	10	120	05	<1	—	—	13.4	1018.0	22.5	19.6
18	59°45.6' N 144°37.3' W	CL	10	130	06	<1	—	—	13.4	1017.3	15.0	14.7
19												
20	59°44.1' N 144°29.7' W	CL	10	130	06	<1	—	—	12.8	1017.5	15.1	14.5
21	59°45.8' N 144°16.7' W	CL	10	70	06	<1	—	—	13.2	1017.5	15.0	14.2
22	59°48.1' N 144°00.3' W	CL	10	75	09	<1	230	2	13.2	1017.6	14.0	13.8
23	59°51.1' N 143°39.3' W	CL	10	005	09	<1	230	2-3	14.3	1018.0	13.2	13.0
24	59°54.0' N 143°18.4' W	CL	11	110	04	1	—	—	14.0	1018.1	14.5	14.0

REMARKS

DECK LOG - WEATHER OBSERVATION SHEET

NOAA SHIP	DAY	DATE	TIME ZONE
MILLER FREEMAN R223	MONDAY	04 AUG 03	+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°55.7' N 142°06.9' W	CL	10	105	10	1	—	—	13.3	1018.2	14.5	13.8
02	59°57.3' N 142°03.3' W	CL	10	100	10	1	—	—	13.9	1018.0	14.3	13.7
03	59°58.8' N 142°00.1' W	CL	10	105	10	1	—	—	13.0	1017.9	14.1	12.9
04	60°00.1' N 142°07.6' W	CL	06	058	11	1	—	—	13.5	1018.0	13.6	12.7
05	60°02.3' N 142°30.2' W	CL	05	084	11	1	—	—	13.5	1017.7	12.2	11.4
06	60°02.3' N 142°27.6' W	CL/L	06	010	08	1	—	—	13.5	1017.4	11.9	11.2
07	60°02.0' N 142°25.7' W	P.C	8	LT: VAR	<1	—	—	—	13.4	1017.2	12.0	11.5
08	60°00.9' N 142°22.2' W	P.C	8	LT: VAR	<1	—	—	—	13.3	1017.2	12.8	12.2
09	59°53.4' N 142°24.4' W	PC	10	100	10	1-2	—	—	12.9	1017.2	12.8	12.0
10	59°54.2' N 142°27.7' W	CL	10	100	12	1-2	—	—	11.6	1017.2	13.2	12.1
11	59°51.3' N 142°36.0' W	CL	10	100	15	2-3	—	—	13.5	1017.0	13.5	12.8
12	59°44.2' N 142°32.1' W	PC	08	101	12	2-3	—	—	14.2	1017.1	13.9	13.1
13	59°44.4' N 142°30.7' W	CL	10	100	12	1-2	—	—	17.3	1017.3	16.5	14.9
14	59°39.6' N 142°30.4' W	PC	10	087	10	1-3	—	—	14.5	1017.1	14.6	13.5
15	59°34.5' N 142°33.2' W	CL/R	10	112	08	1-3	—	—	14.9	1017.2	14.5	13.4
16	59°34.8' N 142°34.1' W	PC	10	107	09	1-3	—	—	14.8	1017.1	14.1	12.5
17	59°28.7' N 142°35.0' W	PC	10	080	07	1-2	—	—	15.4	1017.0	14.7	12.8
18	59°29.7' N 142°31.8' W	PC	10	080	04	1-2	—	—	15.5	1016.9	14.8	13.1
19	59°28.6' N 142°35.2' W	PC	10	082	05	1-2	—	—	15.0	1016.8	15.6	13.6
20	59°24.8' N 142°36.1' W	PC	12	030	04	1	—	—	15.6	1016.8	15.3	13.9
21	59°17.0' N 142°37.9' W	PC	12	055	04	<1	115	3	15.5	1016.8	15.0	13.3
22	59°20.6' N 142°37.1' W	PC	10	150 210	2-3	<1	067	04	15.3	1017.0	14.6	12.9
23	59°18.0' N 142°31.1' W	PC	10	080 120	2 4	<1	017	03	15.1	1017.2	14.5	12.7
24	59°17.3' N 142°37.2' W	PC	11	059	2	1	070	1-2	15.2	1017.2	14.8	13.2

REMARKS

2200-2300 WEATHER THE WIND DIRECTION AND SPEED WAS RECORDED
AS SWELL DIRECTION AND HEIGHT AND VICE VERSA. KS.

DECK LOG - WEATHER OBSERVATION SHEET

NOAA SHIP

DAY

DATE

TIME ZONE

MILLER FREEMAN R223

TUESDAY

05 AUG 03

+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°16.5' N 142°37.4' W	PC	11	343	05	1-2	110	2-3	15.0	1017.2	14.0	12.9
02	59°15.5' N 142°38.1' W	PC	10	350	05	1-2	—	—	15.3	1017.2	14.3	12.9
03	59°15.3' N 142°38.1' W	PC	10	350	05	1-2	—	—	15.2	1017.2	14.4	13.0
04	59°16.3' N 142°39.0' W	CL	08	355	07	<1	—	—	15.1	1017.3	14.6	13.9
05	59°18.2' N 142°38.5' W	CL	08	330	06	<1	—	—	15.1	1017.4	15.1	13.9
06	59°19.4' N 142°38.2' W	CL	10	303	05	<1	—	—	15.2	1017.2	14.8	12.8
07	59°16.0' N 142°38.7' W	PC	10	330	05	1	—	—	15.0	1017.3	16.0	14.8
08	59°07.8' N 142°40.7' W	PC	10	325	4	<1	—	—	15.2	1017.5	18.2	15.7
09	59°07.5' N 142°41.5' W	PC	10	VAR	2-3	<1	—	—	15.2	1017.9	16.7	14.8
10	59°07.6' N 142°40.6' W	PC	10	285	4	<1	—	—	15.2	1018.2	15.5	13.8
11	59°04.2' N 142°40.2' W	PC	10	295	6	1	220	2-4	15.6	1018.2	15.5	13.5
12	58°57.7' N 142°43.5' W	PC	12	269	06	<1	230	2-3	15.5	1019.0	17.1	15.0
13	58°58.0' N 142°42.9' W	PC	12	270	08	<1	—	—	15.6	1019.3	17.3	15.5
14	58°54.0' N 142°41.4' W	PC	12	270	07	<1	—	—	15.7	1019.3	18.5	16.7
15	58°49.1' N 142°44.7' W	PC	10	276	09	<1	—	—	15.7	1019.5	15.4	14.0
16	58°48.2' N 142°44.5' W	PC	10	270	10	<1	—	—	15.9	1019.5	19.2	16.9
17	58°47.9' N 142°42.9' W	PC	10	272	08	1-2	—	—	16.0	1019.5	17.8	15.1
18												
19	58°47.5' N 142°53.2' W	PC	10	278	11	1	—	—	15.8	1019.2	19.0	16.0
20:30	58°38.78 142°24.35	PC	11	275	11	1-2	—	—	15.8	1019.5	17.2	15.5
21	58°36.6 142°14.3	PC	11	275	10	1	—	—	15.6	1019.5	16.8	15.2
22	58°31.0 141°59.8 W	PC	10	295	12	1	—	—	15.9	1020.0	16.0	14.7
23	58°24.9 N 141°40.6 W	PC	10	280	12	1	—	—	15.7	1020.0	15.4	14.2
24	58°18.4 N 141°19.3 W	PC	11	284	11	1-3	—	—	15.3	1020.5	15.8	14.8

REMARKS

NOAA SHIP	DAY	DATE	TIME ZONE
MILLER FREEMAN R223	WEDNESDAY	06 AUG 03	+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°13.2' N 141°02.0' W	PC	11	284	12	1-3	—	—	15.5	1020.6	15.5	14.5
02	58°06.8' N 140°41.8' W	PC	11	280	11	1-3	—	—	15.4	1020.3	15.5	14.2
03	58°01.1' N 140°23.6' W	PC	11	280	10	1-3	—	—	15.3	1021.2	15.4	14.1
04	58°01.3' N 140°25.6' W	CL	10	307	12	1-2	—	—	15.5	1020.0	15.2	14.0
05	58°01.5' N 140°25.6' W	CL	10	311	12	1-2	230	2-4	15.4	1020.0	14.9	13.2
06	58°01.5' N 140°26.3' W	CL	10	300	13	1-2	220	2-4	15.5	1020.1	15.0	13.9
07	58°01.1' N 140°25.0' W	P.C. ³	10	310	10	2-3	250	2-4	15.4	1020.0	16.0	14.5
08	58°06.8' N 140°46.5' W	PC	10	290	11	2-3	250	2-4	15.4	1020.0	15.0	14.1
09	58°06.5' N 140°21.5' W	PC	10	290	10	2	250	3	15.7	1020.0	15.5	14.8
10	58°10.3' N 140°19.6' W	P.C.	16	300	12	2-3	250	3	15.7	1019.8	16.8	15.5
11	58°11.5' N 140°23.7' W	CL	10	300	11	2-3	250	3	15.7	1019.8	16.5	15.0
12	58°18.2' N 140°20.1' W	CL	10	297	12	2	—	—	15.4	1020.0	15.5	14.0
13	58°20.5' N 140°15.5' W	PC	10	285	13	2-3	—	—	15.5	1020.0	15.8	14.0
14	58°19.8' N 140°17.4' W	CL	12	285	13	1-3	—	—	15.5	1020.2	16.3	14.2
15	58°21.6' N 140°21.4' W	CL	12	300	13	1-3	—	—	15.4	1020.0	15.9	13.9
16	58°25.8' N 140°18.9' W	CL	10	300	12	1-3	260	2-3	15.5	1020.0	15.4	13.7
17	58°24.9' N 140°14.6' W	CL	08	282	11	1-3	290	3-4	15.6	1020.0	16.1	14.0
18	58°30.3' N 140°13.4' W	CL	08	288	15	2-3	240	2-3	15.6	1019.8	15.7	14.7
19	58°30.7' N 140°18.5' W	CL	08	293	17	1-2	300	3-4	15.7	1019.5	16.7	14.9
20	58°39.3' N 140°12.1' W	CL	09	300	16	1-2	300	3-4	15.9	1019.2	16.5	14.0
21	58°39.8' N 140°09.8' W	CL	10	300	16	2	290	3-4	15.6	1019.1	15.6	14.0
22	58°42.5' N 140°18.5' W	PC	10	320	12	3	290	3	15.5	1019.8	15.2	14.0
23	58°48.4' N 140°17.7' W	PC	10	292	14	2	260	4-5	15.6	1020.0	15.0	13.6
24	58°51.4' N 140°09.2' W	PC	11	299	12	2-3	340	3-5	15.9	1020.2	15.1	13.7

REMARKS

DECK LOG - WEATHER OBSERVATION SHEET

NOAA SHIP	DAY	DATE	TIME ZONE
MILLER FREEMAN 1223	THURSDAY	07 AUG 03	+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°53.5' N 140°04.2' W	PC	11	291	10	2-3	345	3-5	15.6	1020.2	14.9	13.5
02	58°53.1' N 140°04.7' W	PC	11	290	10	2-3	340	3-5	15.5	1021.0	14.8	13.1
03	58°52.7' N 140°04.0' W	PC	11	290	10	2-3	—	—	15.3	1021.0	14.7	14.3
04	58°52.0' N 140°03.6' W	PC	10	293	10	2-3	230	2-4	15.5	1020.1	14.7	13.1
05	58°53.3' N 140°06.5' W	PC	10	305	10	1-2	240	2-4	15.5	1020.1	14.6	13.7
06	58°52.7' N 140°04.7' W	P.C	10	310	12	2-3	250	2-4	15.4	1020.5	15.0	13.8
07	58°53.2' N 140°11.8' W	P.C	10	310	10	1-2	260	3-5	15.5	1020.6	15.1	14.0
08	59°03.0' N 140°12.5' W	PC	10	310	9	2	270	3	15.5	1021.0	16.2	15.3
09	59°03.0' N 140°03.0' W	PC	10	320	10	2	270	3	15.4	1021.0	15.3	14.0
10	59°10.1' N 140°00.4' W	PC	10	307	10	1-2	270	3	15.4	1021.2	14.9	14.1
11	59°17.3' N 139°58.2' W	PC	10	315	11	1-2	260	3	15.0	1021.0	15.5	14.8
12	59°22.9' N 139°55.9' W	PC	10	297	11	2-3	—	—	15.3	1021.2	14.3	13.0
13												
14												
15	59°28.3' N 139°54.4' W	PC	10	249	11	2	250	3	15.3	1021.5	15.3	15.0
16	59°29.7' N 139°53.0' W	PC	08	293	10	1-2	270	3-4	12.8	1021.2	16.1	14.8
17	59°30.5' N 139°57.7' W	FOG	<1	280	18	2-3	270	3-4	11.9	1021.0	16.0	17.5
18	59°25.8' N 139°45.8' W	F	<1	293	14	2-3	265	3-4	15.2	1021.1	16.8	15.7
19	59°25.4' N 139°40.9' W	F	<1	290	14	2-3	265	3-4	15.1	1021.1	13.9	13.8
20	59°16.5' N 139°04.6' W	CL	5	299	16	3	265	3-4	15.1	1020.7	15.2	14.8
21	59°07.4' N 139°02.1' W	CL	5	300	19	2-3	265	3	15.2	1020.2	15.1	14.8
22	58°54.5' N 138°54.2' W	CL	10	312	15	2-3	260	2-3	15.1	1020.3	14.7	14.2
23	58°56.2' N 138°24.8' W	CL	10	308	16	2-3	—	—	15.4	1020.1	14.8	14.5
24	58°43.8' N 138°08.4' W	CL	11	320	15	2-3	—	—	15.3	1020.8	15.0	14.5

REMARKS

NOAA SHIP	DAY	DATE	TIME ZONE
MILLER FREEMAN	FRIDAY	08 AUGUST 03	+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°34.0 N 136°48.3 W	CL	10	310	17	2-3	—	—	14.6	1020.3	14.7	14.1
02	58°27.3 N 136°28.6 W	CL	1	800	12	2-3	—	—	10.3	1020.0	12.8	12.1
03	58°21.1 N 136°01.9 W	CL	1	330	03	2-3	—	—	10.8	1020.0	12.7	12.0
04	58°13.1 N 136°43.2 W	CLIF	<1	—	—	2-3	—	—	8.5	1019.5	12.1	10.1
05	58°14.4 N 136°30.4 W	CLIF		294	06	>1	—	—	9.4	1020.1	8.1	8.2
06	58°09.1 N 136°00.9 W	F	1	256	13	1	—	—	8.6	1020.1	10.8	11.0
07	58°01.2 N 136°04.1 W	F/PC	2	170	5	<1	—	—	9.0	1020.1	14.2	14.0
08	58°25.6 N 136°36.4 W	F	1	200	6	1	—	—	8.5	1020.0	10.3	10.1
09/10	58°27.2 N 136°54.6 W	F/PC	1	213	5	<1	—	—	10.5	1019.5	17.2	15.2
10		—	—	—	—	—	—	—	—	—	—	—
11	58°27.7 N 136°01.4 W	PC	10	100	4	<1	/	/	8.5	1019.0	13.5	12.5
12	58°39.1 N 136°07.8 W	C	10	280	2	—	—	—	10.1	1019.0	15.0	13.5
13	58°47.5 N 136°06.2 W	C	10	290	8	—	—	—	10.6	1018.8	15.5	12.9
14	58°53.4 N 136°42.1 W	C	10	290	11	<1	/	/	8.4	1018.8	18.7	14.0
15	58°59.1 N 136°56.3 W	C	11	265	3	<1	/	/	6.9	1018.3	21.5	15.0
16	58°57.0 N 136°54.3 W	C	10	270	2	<1	/	/	7.5	1018.4	20.0	15.1
17	58°50.7 N 136°53.0 W	C	10	302	12	<1	/	/	8.3	1019.3	20.0	14.9
18	58°44.4 N 136°15.4 W	C	10	020	10	<1	—	—	11.5	1019.1	23.3	14.9
19	58°30.6 N 136°05.5 W	PC	10	025	15	—	—	—	10.3	1018.9	20.5	14.9
20	58°46.4 N 136°06.3 W	PC	11	025	11	<1	—	—	10.6	1019.3	20.5	15.5
21	58°31.7 N 136°06.5 W	PC	10	035	11	<1	/	/	10.8	1019.5	17.0	13.0
22	58°21.3 N 135°57.6 W	C	10	132	12	<1	/	/	8.8	1019.6	15.0	12.2
23	58°18.8 N 135°47.3 W	C	10	249	08	<1	/	/	13.8	1019.8	15.0	12.3
24	58°12.5 N 135°18.4 W	C	10	311	05	<1	/	/	14.9	1020.0	17.0	14.1

REMARKS

DECK LOG – WEATHER OBSERVATION SHEET

NOAA SHIP	DAY	DATE	TIME ZONE
MILLER FREEMAN 2723	SATURDAY	09 AUG 03	+8

[illegible]

REMARKS