

DECK LOG - WEATHER OBSERVATION SHEET

NOAA SHIP		DAY		DATE		TIME ZONE						
MILLER FREEMAN		TUESDAY		09/23/03		AOST +8						
TIME	POSITION (Lat. and Long.)	PRESENT WEATHER	VISIBILITY (N.M.)	WIND		SEA WAVE HEIGHT (Ft.)	SWELL WAVES		SEA WATER TEMP (°)	SEA LEVEL PRESSURE (mb)	TEMPERATURE °C	
				DIR. (True)	SPEED (Kts.)		DIR. (True)	HEIGHT (Ft.)			DRY BULB	WET BULB
01												
02												
03												
04	57°43.6'N 152°31.0'W	R	10	030	1	<1	-	-	-	1010.0	9.0	8.5
05												
06												
07												
08	57°43.6'N 152°31.0'W	R	8	056	15	1	-	-	14.3	1002.4	9.5	9.4
09	57°43.6'N 152°31.0'W	R	8	051	15	1	-	-	11.4	1000.8	9.6	9.5
10	57°43.7'N 152°22.5'W	CL	8	050	25	4-6	100	5-7	10.0	998.3	9.9	9.8
11		CL WT				4-6	95	5-7	W5	996.4	10.2	10.1
12	57°43.5'N 152°18.5'W	CL	7	065	30	4-6	095	5-7	10.0	995.4	10.2	10.1
13	57°43.1'N 152°15.6'W	CL	7	053	30	4-5	080	5-6	10.0	993.8	10.1	10.0
14	57°40.9'N 152°09.9'W	CL	6	060	30	5-6	065	8-10	9.9	990.0	10.1	10.0
15	57°05.8'N 152°07.5'W	CL	8	060	40	5-6	065	15	10.0	988.2	11.0	10.0
16	57°05.5'N 152°01.8'W	CL	8	055	30	5-6	050	15	10.0	987.0	11.5	10.5
17	58°01.1'N 151°58.1'W	R	4	043	45	3-5	065	10-15	10.0	984.5	11.0	10.0
18	57°57.3'N 151°57.3'W	R	3	050	43	5-8	065	10-15	10.0	983.1	7.7	10.2
19	58°00.2'N 151°54.2'W	R	3	055	45	6-8	065	15-20	10.0	981.9	7.2	9.9
20	58°02.5'N 151°46.2'W	R	1	055	43	10-20	/	/	10.0	981.0	7.0	7.0
21	58°04.9'N 151°39.9'W	R	5	055	46	20-32	/	/	9.8	980.2	8.9	8.5
22	58°05.7'N 151°35.7'W	R	5	055	45	20-30	-	-	9.8	980.0	9.0	9.0
23	58°07.7'N 151°20.7'W	R	5	055	45	20-30	/	/	9.6	979.5	9.0	9.0
24	58°10.8'N 151°10.8'W	R	4	040	45	25-30	/	/	9.6	980.5	9.0	9.0

REMARKS HIGH WINDS; WAVES IN EXCESS OF 35' @ 2100

DECK LOG - WEATHER OBSERVATION SHEET

NOAA SHIP R-223 DAY WED DATE 09/24/03 TIME ZONE +8 ADST

MILLER FREEMAN

TIME	POSITION (Lat. and Long.)	PRESENT WEATHER	VISIBILITY (N.M.)	WIND		SEA WAVE HEIGHT (Ft.)	SWELL WAVES		SEA WATER TEMP (°)	SEA LEVEL PRESSURE (mb)	TEMPERATURE °C	
				DIR. (True)	SPEED (Kts.)		DIR. (True)	HEIGHT (Ft.)			DRY BULB	WET BULB
01	58°12.2'N 151°19.2'W	RW	04	029	035	20-25	—	—	09.6	989.9	7.2	7.1
02	58°16.0'N 151°16.6'W	RW	4	018	026	15-20	—	—	10.1	980.5	8.2	7.6
03	58°19.5'N 151°09.2'W	R	4	024	25	10-15	—	—	10.1	982.8	8.3	7.5
04	58°14.5'N 151°10.5'W	R	6	353	20	10-15	—	—	10.1	981.0	9.0	8.2
05	58°06.5'N 151°22.5'W	PC	7	338	10	10-12	—	—	9.6	980.0	10.2	9.8
06	57°53.8'N 151°31.6'W	PC	7	315	10	10-12	—	—	9.8	981.2	10.9	9.0
07	57°51.8'N 151°41.6'W	PC	8	325	20	8-10	005	10-15	9.6	982.0	10.0	8.3
08	57°41.3'N 151°53.5'W	PC	8	325	24	8-10	145	10-15	10.0	983.0	10.6	8.4
09	57°31.1'N 152°02.9'W	PC	3	314	16	3-10	120	10-15	9.5	984.3	11.4	11.5
10	57°14.7'N 152°14.5'W	PC	12	300	12	8-10	10	10-15	9.9	985.2	15.0	2.0
11	57°12.0'N 152°33.5'W	PC	12	015	20	8-10	105	10-12	10.1	987.0	14.8	19.8
12	57°04.4'N 152°52.2'W	PC	12	226	6	3-4	205	8-10	12.2	986.2	11.9	7.8
13	56°55.5'N 152°15.2'W	PC	10	291	0.3	<1	150	4-6	10.5	986.1	12.0	8.1
14	56°52.1'N 153°02.1'W	CL	11	220	4	1-2	085	3-4	10.3	986.1	11.4	9.2
15	56°43.8'N 153°44.9'W	CL	11	260	8	1-2	085	3-4	10.4	986.0	11.4	9.2
16	56°38.8'N 153°58.4'W	CL	10	270	6	1-2	170	2-3	10.3	986.0	13.0	10.0
17	56°38.4'N 154°13.2'W	CL	10	345	8	1-2	0	0	10.1	986.0	11.0	9.0
18	56°44.7'N 154°26.9'W	CL	10	236	6	<1	—	—	10.7	986.4	12.1	8.9
19	56°28.3'N 154°36.5'W	CL	10	230	0.3	<1	—	—	10.7	986.4	9.9	5.0
20	56°20.1'N 154°47.8'W	PC	10	275	8	1	—	—	9.8	986.9	7.4	7.8
21	57°10.4'N 154°51.4'W	PC	11	330	0.6	1	—	—	8.5	987.8	10.0	9.5
22	57°28.6'N 154°41.6'W	PC	10	275	12	1	—	—	7.5	988.5	8.0	6.0
23	57°28.7'N 154°48.3'W	PC	10	280	20	2-3	—	—	8.1	989.0	8.0	5.5
24	57°03.1'N 154°52.1'W	PC	10	270	17	2	—	—	10.3	991.0	7.1	4.8

REMARKS

DECK LOG - WEATHER OBSERVATION SHEET

NOAA SHIP R-223 DAY THUR. DATE 09/25/03 TIME ZONE ADST
MILLER FREEMAN

TIME	POSITION (Lat and Long.)	PRESENT WEATHER	VISIBILITY (N.M.)	WIND		SEA WAVE HEIGHT (Ft.)	SWELL WAVES		SEA WATER TEMP (°F)	SEA LEVEL (mb)	TEMPERATURE °C	
				DIR. (True)	SPEED (Kts.)		DIR. (True)	HEIGHT (Ft.)			DRY BULB	WET BULB
01	57° 36.3' N 155° 03.0' W	PC	10	270	10	2-3	—	—	9.9	992.0	7.0	4.0
02	57° 38.4' N 155° 07.1' W	PC	10	277	18	2	—	—	10.1	992.3	7.0	4.2
03	57° 41.8' N 155° 14.1' W	PC	10	265	20	2	—	—	10.3	993.5	6.4	3.9
04	57° 40.8' N 155° 19.8' W	PC	9	148	10	2-3	—	—	10.3	995.6	6.5	4.0
05	57° 37.4' N 155° 24.2' W	PC	9	240	9	2-3	—	—	10.2	995.0	6.5	9.7
06	57° 41.3' N 155° 04.3' W	PC	9	260	08	2-3	—	—	10.0	996.3	7.2	7.6
07	57° 38.5' N 155° 05.0' W	PC	9	250	06	2-3	—	—	10.1	996.2	7.1	7.5
08	57° 38.2' N 154° 48.4' W	CL	12	165	08	1-2	—	—	8.7	997.7	8.0	5.6
09	57° 28.4' N 154° 48.2' W	CL	12	160	08	1-2	—	—	8.7	998.6	9.4	6.6
10	57° 31.0' N 154° 54.0' W	PC	12	180	09	1-2	—	—	8.6	999.4	9.1	7.0
11	57° 24.5' N 155° 04.5' W	PC	12	185	11	1-2	—	—	10.1	1000.0	10.8	8.4
12	57° 26.8' N 155° 04.8' W	PC	12	180	8	1-2	—	—	10.1	1001.5	13.8	11.6
13	57° 37.9' N 155° 05.6' W	PC	11	177	12	2	—	—	10.4	1002.1	11.9	10.1
14	57° 40.5' N 155° 02.7' W	PC	11	175	10	2-3	—	—	10.4	1003.0	12.0	9.8
15	57° 41.8' N 155° 18.4' W	PC	11	218	10	2-3	210	2-3	10.4	1003.4	11.2	9.8
16	57° 55.7' N 155° 21.4' W	CL	11	195	8	3-4	230	2-3	10.5	1003.9	12.0	10.0
17	57° 24.6' N 155° 35.6' W	PC	12	170	7	2-3	210	4-6	10.3	1004.0	11.0	9.0
18	57° 24.5' N 155° 48.7' W	PC	12	186	11	2	200	4-5	10.4	1005.1	11.0	10.0
19	57° 07.4' N 156° 02.7' W	PC	12	185	11	2-3	200	4-5	10.4	1005.9	11.9	10.9
20	56° 53.4' N 156° 22.4' W	PC	12	190	15	2-4	200	6-8	10.6	1007.3	11.0	10.0
21	56° 45.1' N 156° 33.3' W	PC	12	200	14	2-4	200	6-8	10.5	1008.1	11.5	10.5
22	56° 29.0' N 156° 44.1' W	PC	12	210	14	2-4	200	6-8	10.6	1008.1	12.0	10.0
23	56° 24.3' N 156° 56.9' W	PC	12	200	14	2-4	—	6-8	11.0	1009.5	12.0	10.0
24	56° 29.4' N 157° 01.7' W	CL	10	180	12	2-3	210	5-6	11.0	1009.9	11.2	10.5

REMARKS

DECK LOG - WEATHER OBSERVATION SHEET

NOAA SHIP **R-223** DAY **FRI.** DATE **09/26/03** TIME ZONE **+8 ADST**
MILLER FREEMAN

TIME	POSITION (Lat. and Long.)	PRESENT WEATHER	VISIBILITY (N.M.)	WIND		SEA WAVE HEIGHT (Ft.)	SWELL WAVES		SEA WATER TEMP (°)	SEA LEVEL (mb)	TEMPERATURE °C	
				DIR. (True)	SPEED (Kts.)		DIR. (True)	HEIGHT (Ft.)			DRY BULB	WET BULB
01	56° 11.7' N 157° 26.4' W	PC	08	259	10	1-2	230	3-4	10.9	1010.0	11.1	10.6
02	56° 09.9' N 157° 46.4' W	PC	8	170	12	1-2	230	3-4	11.0	1010.4	11.2	10.8
03	56° 07.9' N 158° 01.6' W	CL	8	170	10	1-2	230	3-4	10.9	1010.3	10.7	10.1
04	55° 56.0' N 158° 21.0' W	CL	10	160	14	2	190	4-6	11.0	1011.3	11.2	10.8
05	55° 48.9' N 158° 40.0' W	PC	8	160	16	2	185	4-6	10.9	1011.5	11.0	10.7
06	55° 44.16' N 158° 56.3' W	PC	8	150	14	2	180	4-6	10.8	1011.0	11.2	10.9
07	55° 34.1' N 159° 14.4' W	PC	8	150	12	2	180	4-6	10.8	1011.0	11.1	10.8
08	55° 32.3' W	CL	8	152	14	2	110	2-3	11.5	1011.4	11.4	11.0
09	55° 20.4' W	CL	4	139	7	1-2	100	2-3	11.3	1012.0	11.3	10.9
10	55° 12.9' N 160° 09.9' W	CL	6	148	12	2-4	210	2-3	11.0	1012.2	12.0	11.1
11	55° 04.50' N 160° 29.9' W	CL	8	128	12	1-2	200	2-3	10.8	1013.8	12.9	12.2
12	54° 57.7' N 160° 47.7' W	PC	10	135	12	2	190	3-4	10.5	1012.4	14.7	12.6
13	54° 53.3' N 161° 03.3' W	PC	10	135	10	2	190	4-5	10.8	1012.6	14.2	12.7
14	54° 46.8' N 161° 26.8' W	PC	10	132	14	2	185	4-5	10.7	1012.9	14.3	12.6
15	54° 40.0' N 161° 37.5' W	PC	10	132	14	2	185	4-5	10.7	1012.9	14.3	12.6
16	54° 36.7' N 161° 53.7' W	PC	10	132	14	2	185	4-5	10.7	1012.9	14.3	12.6
17	54° 32.4' N 162° 11.3' W	PC	10	120	12	2	160	3-4	10.8	1012.5	13.5	12.5
18	54° 33.3' N 162° 21.3' W	PC	12	120	13	2	-	-	10.7	1012.3	12.0	13.1
19	54° 33.6' N 162° 33.6' W	PC	10	122	11	2	-	-	11.0	1012.2	13.1	11.7
20	54° 32.6' N 162° 42.6' W	PC	10	110	12	2	-	-	10.5	1012.2	11.3	10.7
21	54° 24.2' N 163° 44.2' W	PC	10	110	12	2	245	3-5	10.7	1012.5	11.1	11.3
22	54° 24.4' N 164° 04.4' W	PC	10	120	12	2	245	2-4	10.7	1012.5	11.0	10.2
23	54° 21.8' N 164° 21.8' W	PC	10	110	12	2	245	2-4	10.7	1012.5	11.0	10.0
24	54° 20.5' W	PC	10	112	10	2	-	-	10.2	1012.4	11.8	11.2

REMARKS

DECK LOG - WEATHER OBSERVATION SHEET

NOAA SHIP A-223 DAY SAT. DATE 09/27/03 TIME ZONE ADST +8
MILLER FREEMAN

TIME	POSITION (Lat. and Long.)	PRESENT WEATHER	VISIBILITY (N.M.)	WIND		SEA WAVE HEIGHT (ft.)	SWELL WAVES		SEA WATER TEMP °	SEA LEVEL PRESSURE (mb)	TEMPERATURE °C	
				DIR. (True)	SPEED (Kts.)		DIR. (True)	HEIGHT (ft.)			DRY BULB	WET BULB
01	54° 35.9' N 164° 38.3' W	PC	10	126	18	2	—	—	9.7	1012.3	11.3	10.2
02	54° 37.4' N 165° 02.3' W	PC	10	166	14	2	—	2-3	9.7	1012.3	11.0	10.0
03	54° 48.8' N 164° 50.3' W	CL	10	128	14	2	—	—	10.2	1012.2	11.0	10.0
04	55° 02.2' N 164° 45.1' W	PC	10	115	13	2	330	1-2	10.2	1012.2	12.0	11.1
05	55° 15.40' N 164° 40.9' W	PC	10	125	18	1-2	320	1-2	10.3	1012.5	12.0	10.5
06	55° 25.3' N 164° 54.1' W	PC	10	120	17	1-2	320	2-4	10.0	1012.6	11.9	10.9
07	55° 31.4' N 164° 54.2' W	PC	10	160	13	1-2	320	3-5	9.9	1012.9	11.9	10.5
08	55° 49.9' N 164° 21.2' W	PC	8	118	12	<1	320	2-3	9.6	1013.2	11.5	10.6
09	56° 01.3' N 164° 14.3' W	PC	10	097	11	1	200	2	9.8	1013.8	11.9	10.9
10	56° 14.60' N 164° 06.60' W	PC	10	097	11	1-2	050	2-3	10.2	1014.0	12.5	11.5
11	56° 26.00' N 164° 00.38' W	PC	10	073	9	1-2	060	2-3	10.7	1014.2	12.8	11.8
12	56° 38.3' N 163° 52.5' W	PC	10	083	16	2	060	2-3	10.4	1014.6	12.4	11.1
13	56° 41.3' N 163° 53.1' W	PC	10	073	13	2-3	—	—	10.4	1013.5	11.0	9.8
14	56° 50.7' N 164° 02.1' W	PC	10	072	13	2-3	—	—	10.4	1013.2	10.6	9.7
15	56° 51.8' N 164° 02.7' W	PC	10	064	18	3-4	—	—	10.4	1012.6	12.2	10.0
16	56° 51.9' N 164° 03.3' W	PC	8-10	075	18	4-6	—	—	10.5	1011.9	12.5	11.5
17	56° 52.8' N 164° 05.5' W	PC	8	080	20	4-6	—	—	10.5	1011.0	12.9	11.2
18	56° 52.4' N 164° 06.3' W	CL	8	080	22	5-7	—	—	10.5	1011.0	10.6	9.4
19	56° 53.5' N 164° 04.7' W	CL	8	062	27	6-7	—	—	10.5	1009.1	11.8	10.1
20	56° 51.6' N 164° 03.4' W	CL	6-8	060	28	6-8	—	—	10.5	1008.1	10.2	9.4
21	56° 51.6' N 164° 02.9' W	CL/R	6-8	060	28	8	—	—	10.5	1007.0	10.0	9.5
22	56° 52.7' N 163° 51.5' W	R	6	060	28	8	80	10	10.7	1006.5	10.0	9.0
23	56° 52.4' N 163° 49.8' W	CL/R	4-6	045	28	8-10	—	—	10.6	1005.6	9.0	8.5
24	56° 58.3' N 163° 59.2' W	RW	04	031	21	8	—	—	10.5	1004.0	9.4	9.2

REMARKS

DECK LOG - WEATHER OBSERVATION SHEET

NOAA SHIP	DAY	DATE	TIME ZONE
MILLER FREEMAN R223	SUNDAY	25 SEP 83	+8

TIME	POSITION (Lat. and Long.)	PRESENT WEATHER	VISIBILITY (N.M.)	WIND		SEA WAVE HEIGHT (Ft.)	SWELL WAVES		SEA WATER TEMP (°)	SEA LEVEL PRESSURE (mb)	TEMPERATURE °C	
				DIR. (True)	SPEED (Kts.)		DIR. (True)	HEIGHT (Ft.)			DRY BULB	WET BULB
01												
02	56°55'N 169°16'W	RW	04	036	27	6-10			10.3	100.0	9.2	9.0
03												
04	76°48.7'N 169°18.1'W	R	4	040	24	7-8	045	6-8	10.2	998.6	10.9	10.2
05	76°57.7'N 169°25.8'W	R	4	045	20	7-8	050	6-8	9.7	997.0	11.8	11.0
06	57°05.7'N 169°15.3'W	R	4	050	25	7-8	060	6-8	9.7	996.0	11.0	12.0
07	57°04.1'N 169°13.1'W	R	4	050	34	8	070	6-8	9.6	996.0	10.9	11.3
08	57°08.7'N 169°14.6'W	R	4	042	32	8	090	6-8	9.7	995.3	12.2	10.6
09	57°13.2'N 169°12.0'W	R	4	027	32	10-12	080	6-8	9.6	995.0	11.6	10.5
10	57°17.6'N 169°11.2'W	R	4	357	20	8-10	075	6-8	9.6	994.6	11.8	10.6
11	57°22.6'N 169°09.1'W	R	3	003	22	8-10	080	6-8	9.6	994.2	11.6	10.2
12	57°26.3'N 169°07.8'W	CL	3	010	20	6-8	075	6-8	9.8	994.1	10.8	9.8
13	57°30.5'N 169°05.0'W	L	3	019	21	6-8	075	6-8	9.8	993.8	8.7	8.2
14	57°35.1'N 169°04.6'W	L	3	011	22	6-8	070	6-8	9.5	993.3	8.8	8.2
15	57°38.3'N 169°02.3'W	L	2	006	22	6-8	065	7-9	9.6	993.0	8.7	8.2
16	57°44.5'N 169°03.8'W	RW	5	332	20	4	010	8-10	9.5	992.9	10.5	9.6
17	57°48.6'N 169°01.3'W	RW	5	025	18	4	010	8-10	9.5	993.0	10.5	9.5
18	57°51.0'N 169°01.0'W	R	4	010	26	10-12			9.5	993.0	8.5	8.0
19	57°51.9'N 169°02.1'W	R	4	020	23	10-12			9.5	992.9	8.8	8.0
20												
21	57°50.0'N 169°03.0'W	CL/R	4	350	25	10-12			9.5	992.2	8.5	8.0
22	57°51.6'N 169°01.7'W	CL	4	000	24	10-12			9.4	992.2	8.8	8.0
23	57°46.5'N 169°00.2'W	CL	4	000	18	10-12			9.4	992.8	10.0	9.0
24	57°05.8'N 169°05.8'W	CL	4	356	22	5-6			9.5	993.1	9.9	8.8

REMARKS

DECK LOG - WEATHER OBSERVATION SHEET

NOAA SHIP R-223 DAY SUN. DATE 29/09/03 TIME ZONE ADST
MILLER FREEMAN +8

TIME	POSITION (Lat. and Long.)	PRESENT WEATHER	VISIBILITY (N.M.)	WIND		SEA WAVE HEIGHT (Ft.)	SWELL WAVES		SEA WATER TEMP (°)	SEA LEVEL PRESSURE (mb)	TEMPERATURE °C	
				DIR. (True)	SPEED (Kts.)		DIR. (True)	HEIGHT (Ft.)			DRY BULB	WET BULB
01	57° 24.8' N 170° 17.1' W	CL	04	350	23	3-5	040	5-6	91.3	993.5	8.4	7.7
02	57° 12.6' N 169° 29.1' W	CL	04	333	23	3-5	355	5-6	91.1	994.2	8.0	7.5
03	57° 00.3' N 169° 41.1' W	CL	04	350	26	3-5	355	4-5	91.2	994.5	8.1	7.2
04	56° 47.3' N 169° 53.1' W	CL	05	353	26	4-6	320	6-8	91.6	995.5	9.8	8.7
05	56° 32.10' N 170° 03.00' W	LL	05	338	22	3-5	335	4-6	91.0	996.4	9.9	8.4
06	56° 23.4' N 170° 12.3' W	CL	06	340	24	3-5	330	4-8	91.7	996.0	10.0	8.7
07	56° 12.3' N 170° 03.0' W	CL	6	345	25	3-5	340	4-8	91.3	996.0	10.5	9.0
08	55° 56.8' N 170° 15.5' W	CL	6	352	28	3-5	340	4-6	91.3	996.1	10.8	8.9
09	55° 46.3' N 170° 15.1' W	CL	6	005	22	4-6	320	4-6	8.4	996.2	10.6	8.9
10	55° 32.30' N 170° 23.16' W	CL	6	346	26	4-6	340	4-6	9.0	996.3	10.3	8.9
11	55° 19.50' N 170° 28.06' W	LL	6	348	29	3-5	335	4-6	9.0	996.7	8.1	7.2
12	55° 05.5' N 170° 33.5' W	CL	6	007	32	3-5	335	4-6	7.8	996.9	8.1	7.0
13	54° 54.7' N 170° 37.3' W	PC	08	345	28	2-3	350	5-8	9.7	996.3	8.6	7.6
14	54° 39.9' N 170° 42.8' W	PC	8	344	27	2-3	350	5-7	9.5	996.1	8.8	7.6
15	54° 28.8' N 170° 46.2' W	CL	8	344	22	3-4	350	5-7	8.6	995.9	9.7	8.1
16	54° 15.2' N 170° 50.8' W	CL/L	4	342	30	3-4	340	6-8	8.8	995.5	12.2	10.0
17	53° 02.9' N 170° 54.8' W	CL	4	345	28	3-4	345	6-8	8.6	994.5	11.5	9.5
18	52° 49.3' N 170° 59.7' W	CL	8	345	30	3-4	-	-	8.7	994.1	10.9	9.1
19	52° 36.4' N 171° 05.9' W	CL	8	350	31	3-4	-	-	8.7	993.9	10.6	8.9
20	52° 22.1' N 171° 08.3' W	CL	8	342	31	4-8	340	1	8.5	993.5	10.2	8.7
21	52° 11.0' N 171° 12.7' W	CL	8	345	32	4-8	340	6-8	8.2	993.5	9.7	8.3
22	52° 08.7' N 171° 16.3' W	CL	8	340	28	10-12	300	15	7.7	993.5	9.5	8.0
23	52° 06.5' N 171° 20.9' W	CL	8	330	30	10-12	310	15	6.8	994.0	9.0	8.0
24	52° 31.2' N 171° 25.5' W	CL	7	334	29	8	325	10	7.4	992.6	7.2	6.9

REMARKS

DECK LOG - WEATHER OBSERVATION SHEET

NOAA SHIP **R-223** DAY **MON.** DATE **30/09/03** TIME ZONE **ADST +8**
MILLER FREEMAN

TIME	POSITION (Lat. and Long.)	PRESENT WEATHER	VISIBILITY (N.M.)	WIND		SEA WAVE (Ft.)	SWELL WAVES		SEA WATER TEMP & PRESSURE (mb)	TEMPERATURE °C	
				DIR. (True)	SPEED (Kts.)		DIR. (True)	HEIGHT (Ft.)		DRY BULB	WET BULB
01	52°05.4'N 171°23.6'W	R	5	310	28	7	325	10	7.2	7.9	7.4
02	52°07.3'N 171°16.4'W	R	3	320	27	7	325	8-10	7.2	7.9	7.2
03	52°25.8'N 171°10.3'W	R	2	333	30	5-7	325	7-9	6.5	8.1	7.7
04	52°26.5'N 171°12.4'W	R L	3	343	28	4-6	—	—	6.6	8.8	7.9
05	52°26.4'N 171°10.2'W	L	3	340	28	4-6	—	—	6.6	8.8	8.0
06	52°25.4'N 171°21.6'W	L	3	340	32	10-12	—	—	6.5	8.7	8.0
07	52°25.8'N 171°13.4'W	CL	3	353	28	10-12	—	—	6.5	9.4	7.9
08	52°27.8'N 171°10.2'W	R	2	345	34	10-12	—	—	6.6	8.8	8.1
09	52°26.1'N 171°13.1'W	R	1	331	38	4-6	—	—	6.5	9.2	8.0
10	52°28.9'N 171°10.3'W	R	4	344	22	4-6	—	—	6.8	7.8	7.5
11	52°24.9'N 171°15.0'W	CL	4	320	28	6-8	—	—	6.7	8.5	8.0
12	52°26.9'N 171°16.6'W	R	3	357	38	4-6	—	—	6.8	7.9	7.0
13	52°25.0'N 171°10.2'W	F	1.5	337	28	3-4	350	6-8	7.6	7.4	7.1
14	52°28.5'N 171°15.1'W	CL	4	322	38	3-5	—	—	6.4	8.0	7.6
15	52°27.7'N 171°11.0'W	CL	6	334	28	3-5	—	—	6.4	8.1	7.0
16	52°26.2'N 171°13.0'W	CL	6	344	28	10-12	—	—	6.9	9.1	8.0
17	52°25.2'N 171°19.3'W	CL	6	345	32	12-14	—	—	6.8	13.0	11.0
18	52°25.1'N 171°16.1'W	CL	6	325	26	10-12	—	—	6.8	8.1	7.8
19	52°27.7'N 171°11.1'W	CL	6	325	31	5-7	350	10	6.9	8.5	7.9
20	52°25.0'N 171°15.0'W	CL	6	325	27	5-7	350	6-10	7.1	8.1	6.7
21	52°25.6'N 171°14.0'W	CL	0.5	326	29	5-7	—	—	6.7	8.0	6.7
22	52°26.2'N 171°12.3'W	CL	5	320	31	6-8	—	—	6.8	8.0	6.7
23	52°27.2'N 171°11.1'W	CL	5	310	29	6-8	—	—	6.9	8.0	6.7
24	52°25.0'N 171°15.4'W	CL	5	305	25	5-7	—	—	6.8	8.1	6.8

REMARKS

DECK LOG - WEATHER OBSERVATION SHEET

NOAA SHIP **MILLER FREEMAN** DAY **WED.** DATE **01/10/03** TIME ZONE **AOST**
R-223 **+8**

TIME	POSITION (Lat. and Long.)	PRESENT WEATHER	VISIBILITY (N.M.)	WIND		SWELL WAVES HEIGHT (Ft.)	SEA WATER TEMP & HEIGHT (Ft.)		SEA LEVEL PRESSURE (mb)	TEMPERATURE °C	
				DIR. (True)	SPEED (Kts.)		DIR. (True)	HEIGHT (Ft.)		DRY BULB	WET BULB
01	52°25.6'N 171°14.2'W	CL	04	321	31	3-5	—	—	998.0	8.0	6.8
02	52°36.4'N 171°18.7'W	CL	04	330	28	3-5	—	—	998.1	8.1	6.7
03	52°37.8'N 171°16.5'W	R	04	325	28	3-5	—	—	998.3	8.1	6.7
04	52°26.5'N 171°12.3'W	CL	04	320	22	4-6	—	—	999.0	8.7	8.2
05	52°25.8'N 171°13.8'W	CL	04	306	20	4-6	—	—	1000	8.4	7.3
06	52°26.9'N 171°11.8'W	CL	04	310	30	6	—	—	1001.0	7.9	6.8
07	52°25.2'N 171°15.5'W	CL	04	330	28	6	—	—	1001.0	8.5	7.5
08	52°26.5'N 171°12.3'W	CL	04	320	24	4-6	—	—	1001.8	7.9	6.1
09	52°27.1'N 171°12.0'W	CL	04	327	18	1-2	260	04	1002.2	9.2	7.4
10	52°26.8'N 171°28.0'W	PC	06	335	20	4-6	320	6-8	1002.5	8.6	6.5
11											
12	52°35.7'N 171°26.9'W	PC	08	337	25	4-6	330	15-20	1003.3	8.1	6.8
13	52°39.6'N 171°27.8'W	PC	09	340	27	4-6	330	15-20	1003.9	7.9	6.4
14	52°36.8'N 171°26.8'W	PC	09	320	18	3-5	325	6-8	1003.8	9.1	7.6
15	52°26.2'N 171°18.4'W	PC	09	335	15	2-4	325	3-5	1003.1	7.9	6.2
16	52°25.1'N 171°10.6'W	PC	07	325	20	2-4	345	4-6	1003.1	7.8	5.9
17	52°22.8'N 171°10.7'W	PC	10	340	14	2-4	345	4-6	1003.4	10.0	8.5
18	52°25.1'N 171°22.5'W	PC	10	318	20	4-6	345	8-10	1003.0	8.9	8.0
19	52°36.3'N 171°27.1'W	PC	10	347	19	4-6	340	8-10	1003.0	8.1	7.8
20	52°24.4'N 171°34.4'W	PC	10	350	12	4	700/350	5-12	1003.5	10.7	8.5
21	52°25.9'N 171°34.5'W	PC	12	350	10	2-3	350	7-10	1003.2	8.0	6.7
22	52°25.9'N 171°34.5'W	PC	12	350	10	2-3	350	7-10	1003.2	8.0	6.7
23	52°25.0'N 171°44.4'W	PC	12	350	10	2-3	350	7-10	1003.2	9.0	7.5
24	52°28.2'N 171°54.3'W	PC	11	357	12	2-3	350	8-10	1003.1	8.2	6.8

REMARKS

DECK LOG - WEATHER OBSERVATION SHEET

NOAA SHIP R-223 DAY THUR. DATE 02/10/03 TIME ZONE A05T
MILLER FREEMAN +8

TIME	POSITION (Lat. and Long.)	PRESENT WEATHER	VISIBILITY (N.M.)	WIND		SEA WAVE HEIGHT (Ft.)	SWELL WAVES		SEA WATER TEMP (°F)	SEA LEVEL PRESSURE (mb)	TEMPERATURE °C	
				DIR. (True)	SPEED (Kts.)		DIR. (True)	HEIGHT (Ft.)			DRY BULB	WET BULB
01	32°23.7' N 173°05.7' W	CL	11	357	8	2-3	350	7-9	6.6	1003.2	8.8	6.9
02	52°23.8' N 173°07.2' W	CL	11	357	8	2-3	350	7-8	6.7	1002.9	9.0	8.1
03	52°17.7' N 173°18.9' W	CL	11	015	10	2	—	—	5.7	1002.5	8.8	7.0
04	52°15.9' N 173°23.4' W	CL	10	004	4	2-3	—	—	5.6	1002.3	8.7	7.1
05	52°13.0' N 173°28.6' W	CL	9	NO	NO	2-3	—	—	5.7	1001.9	9.0	7.4
06	52°13.3' N 173°32.0' W	CL	9	040	08	2-3	—	—	5.5	1001.0	9.0	7.3
07	52°16.0' N 173°25.5' W	CL	9	045	08	2-3	—	—	5.6	1000.9	9.1	7.2
08	52°20.5' N 173°13.0' W	CL	6	090	06	2-3	—	—	5.6	1000.0	8.2	6.0
09	52°23.8' N 172°07.3' W	CL	8	082	08	<1	030	2-4	6.6	1000.0	7.4	5.0
10												
11	52°24.2' N 172°03.5' W	CL	12	075	09	<1	000	6-8	6.6	999.9	7.8	6.5
12	52°24.8' N 171°54.8' W	CL	12	055	09	1	035	6-8	7.5	999.8	8.5	6.8
13	52°24.4' N 171°54.7' W	CL	12	075	05	1	030	6-8	7.5	999.0	8.5	6.8
14	52°24.3' N 171°46.4' W	CL	12	064	10	1-2	350	6-8	8.5	998.9	7.8	5.9
15	52°23.9' N 171°26.8' W	CL	11	074	08	2-3	345	5-7	7.3	998.1	8.9	6.9
16	52°23.0' N 171°03.1' W	CL	9	070	09	1-2	360	4-5	8.3	997.9	9.2	8.0
17	52°31.0' N 170°39.6' W	CL	9	070	08	1-2	80	4-5	7.1	997.5	9.6	7.5
18	52°34.4' N 170°35.1' W	CL	10	030	3	<1	060	2	6.6	997.7	9.7	7.6
19	52°38.7' N 170°03.5' W	CL	10	123	5	<1	100	2-4	10.1	997.2	9.0	7.0
20	52°42.5' N 169°47.5' W	CL	10	068	09	1-2	0100	7-5	9.6	996.8	8.5	7.5
21	52°47.3' N 169°45.8' W	CL	10	035	12	1-2	090	7-4	6.1	996.9	8.5	7.5
22												
23	52°50.7' N 169°27.5' W	CL	10	030	10	1-2	—	—	—	996.9	9.0	8.0
24	52°51.4' N 169°27.3' W	CL	10	026	09	2	—	—	6.6	996.1	8.9	8.2

REMARKS

DECK LOG - WEATHER OBSERVATION SHEET

NOAA SHIP MILLER FREEMAN DAY R-223 DATE 03/10/03 TIME ZONE ADST +8

TIME	POSITION (Lat. and Long.)	PRESENT WEATHER	VISIBILITY (N.M.)	WIND		SEA WAVE HEIGHT (ft.)	SWELL WAVES		SEA WATER TEMP (°)	SEA LEVEL PRESSURE (mb)	TEMPERATURE °C	
				DIR. (True)	SPEED (Kts.)		DIR. (True)	HEIGHT (ft.)			DRY BULB	WET BULB
01	52°04.9' N 169°04.1' W	CL	10	027	09	1-2	—	—	8.5	996.4	8.8	8.0
02	52°05.0' N 169°07.3' W	PC	10	025	07	1-2	—	—	7.5	996.1	9.0	8.2
03	52°04.9' N 169°07.4' W	CL	10	024	08	1-2	—	—	7.6	995.8	8.6	7.8
04	52°05.0' N 169°07.3' W	PC	10	066	05	1-2	—	—	7.5	995.4	9.7	8.8
05	52°05.0' N 169°07.6' W	PC	10	096	05	1-2	—	—	7.6	995.4	8.6	7.5
06	52°05.0' N 169°07.3' W	PC	10	090	05	1-2	—	—	7.5	995.1	8.5	7.4
07	52°05.0' N 169°07.3' W	PC	10	020	05	1-2	—	—	7.9	994.0	10.4	9.3
08	52°05.0' N 169°07.3' W	PC	9	068	04	<1	—	—	7.3	993.6	9.2	8.5
09	52°05.0' N 169°07.3' W	PC	9	075	08	1-2	—	—	7.0	993.4	9.0	8.5
10	52°05.0' N 169°07.3' W	PC	12	050	15	1-2	330	4-6	8.8	993.1	8.9	8.1
11		CL										
12	52°04.8' N 169°04.1' W	CL	10	050	12	2	285	3-5	8.4	992.4	9.9	8.3
13	52°04.0' N 169°04.0' W	L	7	045	12	2-3	285	4-6	9.2	992.1	9.6	8.9
14	52°04.1' N 169°02.4' W	R	8	030	17	3-5	260	4-6	9.4	991.4	10.0	9.9
15	52°05.0' N 169°05.3' W	CL	10	070	12	5-7	—	—	8.0	991.4	11.1	10.6
16	52°05.0' N 169°05.3' W	CL	10	085	14	3-5	—	—	8.2	991.6	11.1	10.1
17	52°05.0' N 169°05.3' W	CL	10	021	17	3-5	—	—	8.1	991.0	11.0	9.9
18	52°04.7' N 169°04.4' W	CL	10	110	16	3-4	075	5	8.4	991.0	12.6	11.2
19	52°04.7' N 169°04.3' W	CL	10	030	13	2-4	070	5	8.0	990.6	11.5	10.0
20	52°04.7' N 169°04.3' W	CL	10	047	17	3-6	060	6-8	7.9	991.0	10.0	8.3
21	52°04.7' N 169°04.3' W	CL	09	030	11	2-4	055	4-6	7.7	991.5	8.5	7.9
22	52°04.7' N 169°04.3' W	CL	10	045	18	2-4	055	4-6	8.1	991.5	9.5	8.0
23	52°04.6' N 169°04.4' W	CL	11	035	16	2-4	—	—	8.0	991.5	9.0	8.0
24	52°04.6' N 169°04.4' W	CL	11	042	08	3-4	—	—	7.7	991.6	8.9	8.2

REMARKS

DECK LOG - WEATHER OBSERVATION SHEET

NOAA SHIP R-223 DAY SAT. DATE 04/10/03 TIME ZONE ADST +8
MILLER FREEMAN

TIME	POSITION (Lat. and Long.)	PRESENT WEATHER	VISIBILITY (N.M.)	WIND		SEA WAVE HEIGHT (ft.)	SWELL WAVES		SEA WATER TEMP °	SEA LEVEL PRESSURE (mb)	TEMPERATURE °C	
				DIR. (True)	SPEED (Kts.)		DIR. (True)	HEIGHT (ft.)			DRY BULB	WET BULB
01	53°45.9'N 167°06.4'W	CL	11	115	09	1-2	—	—	9.4	991.2	10.1	9.8
02	53°45.6'N 167°03.7'W	PC	11	110	08	1	—	—	9.5	991.1	10.4	8.2
03	53°44.4'N 167°04.4'W	PC	11	085	08	1	—	—	9.2	991.0	10.2	8.2
04	53°48.8'N 167°10.3'W	PC	10	000	00	1-2	—	—	9.2	991.6	10.2	8.3
05	53°57.2'N 167°05.2'W	PC	10	027	16	2-4	—	—	8.9	991.2	10.0	9.1
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REMARKS