

TRANSIT TO DUTCH 4129103-515103

NOAA FORM 77-13d
(3-76)U.S. DEPARTMENT OF COMMERCE
NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION

DECK LOG - WEATHER OBSERVATION SHEET

NOAA SHIP	DAY	DATE	TIME ZONE
MILLER FREEMAN	TUESDAY	29 APRIL 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												
02												
03												
04												
05												
06												
07												
08												
09												
10												
11												
12												
13												
14												
15												
16												
17		PC	11	08	200	>1	/	/	9.5	1011.5	19°	19°
18	48°07.6 N 172°40.0 W	PC	10	10	193	>1	/	/	9.5	1011.7	15.2	14.7
19	48°16.4 N 172°46.9 W	PC	10	04	020	>1	/	/	9.4	1012.5	15.2	14.9
20	48°28.7 N 172°44.2 W	PC	8	181	012	>1	-	-	9.4	1012.0	13.1	8.9
21	48°31.9 N 172°47.6 W	PC	8	118	010	>1	-	-	9.4	1012.1	12.9	13.0
22	48°48.1 N 172°53.6 W	PC	8	126	006	>1	-	-	9.5	1012.3	12.5	12.8
23	48°56.3 N 173°06.9 W	PC	8	105	08	>1	-	-	10.3	1012.6	12.8	12.9
24	49°04.0 N 173°20.7 W	PC	08	110	12	<1	-	-	10.0	1013.0	13.1	14.0

REMARKS SPUN COMPASS + CRUISED LOCKS 1200-1600

DECK LOG - WEATHER OBSERVATION SHEET

NOAA SHIP MILLER FREEMAN	DAY WED	DATE 30 APR 03	TIME ZONE ORL +7
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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	49° 12.6' N 123° 33.7' W	PC	08	125	010	1	/	/	10.3	1013.5	13.0	13.5
02	49° 20.9' N 123° 42.2' W	PC	08	314	08	1	/	/	11.9	1014.0	13.0	13.5
03	49° 23.0' N 124° 02.0' W	PC	08	147	06	1	/	/	11.5	1014.1	12.5	13.0
04	49° 26.7' N 124° 28.8' W	PC	08	130	08	1	/	/	12.0	1014.7	12.5	13.0
05	49° 34.8' N 124° 36.2' W	PC	08	147	08	1-2	/	/	11.8	1014.9	12.5	13.0
06	49° 41.5' N 124° 50.4' W	PC	08	135	04	2	/	/	10.7	1015.2	12.0	10.0
07	49° 53.8' N 125° 03.0' W	PC	08	010	06	2	/	/	10.3	1015.7	10.5	10.0
08	50° 05.9' N 125° 17.6' W	PC	10	315	04	2	-	-	9.1	1015.7	11.2	11.1
09	50° 18.2' N 125° 25.1' W	PC	10	311	02	2	-	-	8.9	1017.7	10.8	11.0
10	50° 22.2' N 125° 44.4' W	PC	10	270	02	2	-	-	8.9	1017.3	17.1	11.8
11	50° 27.2' N 126° 03.7' W	PC	10	008	04	2	-	-	8.4	1017.4	14.1	13.5
12	50° 30.3' N 126° 22.2' W	PC	08	215	08	1	/	/	8.7	1017.2	13.7	13.0
13	50° 31.6' N 126° 39.8' W	PC	08	300	06	1	/	/	8.8	1017.5	16.1	14.1
14	50° 35.1' N 126° 57.3' W	PC	08	155	04	1	/	/	8.7	1017.9	20.1	17.9
15	50° 39.6' N 127° 13.0' W	PC	08	322	10	1	/	/	9.0	1018.0	15.0	13.2
16	50° 48.3' N 127° 25.0' W	PC	09	285	15	1-2	/	/	9.6	1019.2	15.8	14.8
17	50° 56.2' N 127° 42.1' W	PC	09	267	13	1-3	/	/	9.4	1019.0	11.5	10.0
18	51° 00.1' N 127° 58.1' W	PC	09	235	15	2-4	280	3-5	10.0	1019.5	12.5	10.6
19	51° 05.3' N 128° 17.7' W	PC	09	230	12	2-3	290	3-5	10.3	1019.7	10.0	10.0
20	51° 09.5' N 128° 34.0' W	PC	08	290	04	1-3	295	3-5	10.8	1019.8	10.2	10.3
21	51° 13.8' N 128° 52.1' W	PC	08	282	06	1-3	280	3-4	10.8	1020.0	9.8	10.0
22	51° 17.8' N 129° 09.3' W	PC	08	275	10	1-3	290	3-4	10.3	1020.0	9.8	9.9
23	51° 22.3' N 129° 26.7' W	PC	08	290	09	1-3	290	3-4	9.9	1020.1	9.8	9.9
24	51° 25.8' N 129° 42.4' W	PC	08	283	14	3	/	/	10.0	1020.1	9.9	10.0

REMARKS

DECK LOG - WEATHER OBSERVATION SHEET

NOAA SHIP

DAY

DATE

TIME ZONE

MILLER FREEMAN

THURSDAY

1 MAY 03

+ 7

TIME	POSITION (Lat. and Long.)	PRESENT WEATHER	VISIBILITY (N.M.)	WIND		SEA WAVE HEIGHT (Ft.)	SWELL WAVES		SEA WATER TEMP. (°C)	SEA LEVEL PRESSURE (mb)	TEMPERATURE (°C)	
				DIR. (True)	SPEED (Kts.)		DIR. (True)	HEIGHT (Ft.)			DRY BULB	WET BULB
01	51° 29.8' N 129° 58.9' W	C	08	296	20	3			9.8	1020	9.4	10.0
02	51° 33.5' N 130° 14.5' W	C	08	295	18	3			9.5	1020.1	9.5	9.9
03	51° 37.8' N 130° 32.0' W	PC	08	295	16	3-4			9.1	1020.5	9.0	9.0
04	51° 41.7' N 130° 49.3' W	PC/CL	08	300	14	3-4			9.0	1020.5	9.0	8.7
05	51° 47.2' N 131° 01.2' W	CL	08	285	13	3-4	285	3-4	8.8	1021.2	9.0	8.7
06	51° 49.2' N 131° 24.4' W	CL	08	300	13	2-3	325	3-4	8.7	1021.5	9.0	8.1
07	51° 53.2' N 131° 43.18' W	CL	09	290	10	2-3	315	3-4	8.7	1022.0	9.0	8.0
08	51° 56.8' N 132° 00.9' W	CL	08	300	12	2-4	305	3-4	8.9	1022.1	9.2	8.5
09	52° 00.6' N 132° 19.6' W	CL	08	290	12	2-4	310	4-5	8.8	1022.3	9.4	8.1
10	52° 04.4' N 132° 37.2' W	CL	08	290	11	2-4	300	3-4	8.9	1022.5	10.0	8.8
11	52° 08.0' N 132° 54.5' W	CL	08	290	08	2-3	305	3-4	8.7	1022.5	10.0	8.6
12	52° 11.7' N 133° 12.3' W	CL	08	308	15	2-3	300	3-4	8.6	1022.5	10.0	9.0
13	52° 15.8' N 133° 31.8' W	CL	08	312	15	2-3	300	3-4	8.8	1022.6	10.1	9.1
14	52° 19.3' N 133° 48.2' W	CL	08	270	11	2-3	290	3-4	8.7	1022.6	10.0	9.5
15	52° 22.2' N 134° 05.2' W	CL	08	318	15	2-3	290	3-4	8.8	1022.1	8.1	6.6
16	52° 25.2' N 134° 21.7' W	CL	09	295	10	2-3	295	2-4	8.8	1022.5	11.2	12.2
17	52° 28.7' N 134° 41.3' W	CL	09	297	12	2-3	300	2-4	8.8	1022.5	10.2	9.5
18	52° 31.7' N 134° 59.2' W	CL	09	300	10	2-3	305	3-4	8.7	1022.5	10.0	9.0
19	52° 34.9' N 135° 16.4' W	CL	09	275	10	2-3	305	3-4	8.6	1022.5	10.0	9.1
20	52° 37.7' N 135° 32.5' W	CL	08	305	11	2-3	315	4-5	8.9	1022.7	9.6	9.0
21	52° 41.5' N 135° 53.8' W	CL	07	310	08	2-3	308	4-5	7.7	1022.1	8.9	8.6
22	52° 44.8' N 136° 11.1' W	CL	08	304	14	2-3	296	4-5	7.6	1023.1	9.0	8.7
23	52° 47.9' N 136° 29.3' W	CL	08	290	08	2-3	-	-	7.6	1023.2	8.8	8.0
24	52° 51.4' N 136° 49.3' W	CL	07	320	10	2-3			8.1	1023.0	7.0	6.0

REMARKS

DECK LOG - WEATHER OBSERVATION SHEET

NOAA SHIP

MILLER FREEMAN

DAY

FRIDAY

DATE

2 MAY 03

TIME ZONE

+7

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	52°54.3' N 137°08.2' W	CL	08	300	10	2-3	/	/	8.1	1023.0	8.0	7.5
02	52°56.8' N 137°23.7' W	CL	08	330	08	2-3	/	/	7.7	1022.2	7.0	6.0
03	53°00.1' N 137°45.7' W	CL	08	350	14	3	/	/	7.8	1022.5	7.1	6.1
04	53°02.7' N 139°04.3' W	CL	08	350	14	2-3	/	/	7.9	1021.0	7.0	6.0
05	53°05.3' N 138°21.3' W	CL	08	320	14	3-6	/	/	7.7	1021.0	8.1	8.0
06	53°11.1' N 139°01.1' W	CL	08	299	11	3-6	300	3-6	7.9	1022.0	8.8	8.8
07	53°12.1' N 139°01.0' W	CL	08	297	11	2-4	300	3-6	7.1	1021.5	8.0	8.0
08	53°15.0' N 139°14.2' W	CL	08	297	14	2-4	310	4-6	7.4	1021.2	7.0	6.1
09	53°16.3' N 139°36.4' W	CL	08	300	11	2-4	305	4-6	7.1	1020.3	8.8	8.5
10	53°18.8' N 139°54.0' W	CL	08	294	12	3-6	305	4-5	7.1	1020.2	9.0	8.8
11	53°21.1' N 140°10.3' W	CL	08	289	13	3-4	305	4-5	7.2	1019.8	9.1	8.8
12	53°23.6' N 140°29.7' W	CL	08	310	15	3	305	4	7.1	1019.5	7.5	6.5
13	53°25.6' N 140°47.0' W	CL/L	08	310	15	3	305	4	7.0	1019.0	7.1	6.9
14	53°27.6' N 141°04.7' W	CL/L	8	310	10	2-3	305	4-5	7.0	1018.0	7.0	6.0
15	53°29.7' N 141°22.0' W	CL/L	5	290	14	2-3	305	4-5	6.8	1017.2	7.9	7.1
16	53°32.0' N 141°41.6' W	CL/L	4	295	14	2-3	305	3-6	6.6	1017.2	8.8	8.8
17	53°33.5' N 141°54.3' W	CL/L	5	292	14	2-3	305	3-6	6.7	1016.0	8.5	8.7
18	53°35.9' N 142°12.3' W	CL/L	5	290	12	2-3	305	3-6	6.6	1015.5	8.5	8.5
19	53°37.9' N 142°32.9' W	CL/L	5	290	12	2-3	305	3-6	6.6	1015.0	8.2	8.5
20	53°39.7' N 142°48.7' W	CL/L	06	296	12	2-3	300	4-6	6.5	1014.2	8.4	8.6
21	53°41.8' N 143°06.5' W	CL/L	06	294	12	2-3	300	4-7	6.4	1013.9	8.6	8.7
22	53°43.7' N 143°23.4' W	CL/L	06	286	13	2-3	300	4-6	6.2	1013.0	8.5	8.5
23	53°45.4' N 143°40.7' W	CL/L	06	282	14	2-3	-	-	6.2	1013.1	8.7	8.9
24	53°47.2' N 143°58.7' W	CL/L	05	310	12	2-3	/	/	6.4	1013.2	6.5	6.5

REMARKS

DECK LOG - WEATHER OBSERVATION SHEET

NOAA SHIP	DAY	DATE	TIME ZONE
MILLER FREEMAN	SAT	3 MAY 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° 48.8' N 144° 16.5' W	F	.5	300	12	2-3			6.3	1013.0	6.5	6.5
02	53° 50.4' N 144° 34.9' W	F	.5	330	18	2-3			6.3	1012.2	6.5	6.5
★ 02	53° 52.0' N 144° 53.0' W	CL	06	330	12	3-4			6.2	1012.2	6.5	6.0
03	53° 53.5' N 145° 11.4' W	CL	07	350	20	3-4			6.2	1012.1	6.5	6.0
04	53° 54.1' N 145° 15.6' W	CL	07	340	20	3-4	300	5-6	6.3	1012.2	8.2	7.9
06	53° 56.2' N 146° 04.9' W	CL	08	340	11	3	305	4-6	6.2	1012.5	8.5	7.5
07	53° 54.9' N 146° 25.0' W	CL	07	340	10	2-3	310	4-6	6.2	1013.7	9.3	8.5
08	54° 01.5' N 146° 43.2' W	CL	08	310	08	1-3	310	4-6	6.1	1013.8	8.7	7.8
09	54° 02.9' N 146° 53.5' W	PC	08	308	09	1-3	310	4-5	6.1	1013.6	9.5	8.6
10	54° 04.1' N 147° 18.1' W	PC	08	340	10	2-3	305	4-5	6.2	1013.4	6.0	4.9
11	54° 06.0' N 147° 36.2' W	CL	08	003	11	1-3	280	4-5	5.9	1014.5	11.1	9.7
12	54° 06.2' N 147° 56.7' W	PC	08	032	10	1-2	280	5	6.1	1014.9	6.1	4.9
13	54° 07.5' N 148° 15.5' W	PC	08	350	08	1-2	280	5	5.8	1014.9	6.5	5.0
14	54° 08.5' N 148° 35.0' W	PC	08	190	05	1-2	285	5	5.8	1014.9	9.0	7.0
15	54° 09.7' N 148° 57.5' W	CL	08	190	05	1	285	5	5.8	1014.2	9.0	6.9
16	54° 10.8' N 149° 16.7' W	CL	08	150	09	1	285	5-6	5.7	1014.2	5.5	5.0
17	54° 12.1' N 149° 38.3' W	CL	02	155	09	1	285	5-6	5.8	1014.7	5.8	5.9
18	54° 13.3' N 149° 56.3' W	CL	>1	155	06	>1	285	5-	5.7	1013.5	4.8	5.3
19	54° 14.4' N 150° 17.0' W	CL	>	160	08	>1	285	4-6	5.7	1012.7	5.0	5.7
20	54° 14.9' N 150° 35.5' W	CL	2	235	07	1	285	4-5	5.9	1012.2	5.6	6.0
21	54° 15.4' N 150° 55.7' W	CL	3	268	04	1	280	4-5	5.6	1012.2	6.9	6.3
22	54° 16.2' N 151° 17.4' W	CL/F	>1	262	08	1	262	02	5.9	1012.0	7.1	6.4
23	54° 16.7' N 151° 33.3' W	CL/F	>1	260	08	1	-	-	5.8	1011.6	6.6	6.8
24	54° 17.3' N 151° 56.2' W	F	1-2	239	12	1-3			5.8	1011.0	7.2	6.5
REMA	53° 56.4' N 145° 46.6' W	CL	06	325	11	1-3	300	4-6	6.2	1012.5	8.5	7.5

0500 ~~0500~~ 0200 Set clocks BACK one hour. 05 WEATHER OBS. LOGGED
ON Bottom

DECK LOG - WEATHER OBSERVATION SHEET

NOAA SHIP	DAY	DATE	TIME ZONE
MILLER FREEMAN	SUN	4 MAY 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	54° 17.8' N 152° 12.6' W	CL	08	257	12	2			5.7	1011.5	7.0	5.9
02	54° 18.6' N 152° 32.6' W	CL	08	260	14	2-3			6.3	1011.1	7.0	5.0
03	54° 19.2' N 152° 58.4' W	CL	08	260	14	2-3			6.4	1011.1	7.2	5.9
04	54° 19.8' N 153° 17.2' W	CL	08	240	15	2			6.1	1011.2	6.2	5.0
05	54° 20.4' N 153° 40.1' W	CL	08	200	15	1-2	260	3-5	6.2	1010.5	6.2	6.2
06	54° 20.6' N 153° 58.1' W	CL	08	210	13	1-2	255	3-5	6.3	1010.2	6.1	6.5
07	54° 20.5' N 154° 19.3' W	CL	08	204	14	2-3	255	3-5	6.2	1010.0	6.1	6.5
08	54° 20.5' N 154° 35.8' W	CL	08	218	16	2-3	265	3-4	6.2	1010.2	6.2	6.3
09	54° 20.6' N 154° 50.3' W	CL	08	212	13	2-3	260	3-5	6.0	1009.9	6.2	6.3
10	54° 20.7' N 155° 17.3' W	CL	08	196	17	2-4	250	3-5	5.4	1009.8	6.1	5.9
11	54° 20.7' N 155° 39.3' W	CL	08	201	21	2-4	245	4-8	5.5	1009.7	5.9	5.2
12	54° 20.7' N 155° 56.9' W	CL/L	03	200	20	2-3	240	4-5	5.6	1009.9	5.5	5.5
13	54° 20.8' N 156° 21.2' W	CL/L	05	190	20	2-3	230	5	5.4	1009.5	5.9	6.2
14	54° 20.7' N 156° 33.8' W	CL	08	215	12	2-3	250	5	6.1	1010.0	7.0	7.0
15	54° 20.0' N 156° 51.6' W	CL	08	220	14	2-3	250	5	6.3	1010.0	7.0	6.5
16	54° 20.0' N 157° 09.9' W	CL	08	247	18	2-4	250	5	6.3	1010.6	9.1	8.5
17	54° 20.2' N 157° 30.7' W	CL	08	247	18	2-4	250	5	6.4	1010.5	10.5	8.5
18	54° 19.5' N 157° 50.0' W	PC	08	260	14	2-4	250	5	6.4	1010.5	10.5	8.7
19	54° 19.2' N 158° 09.4' W	PC	08	270	10	2-4	250	5	6.0	10	8.0	7.0
20	54° 18.5' N 158° 27.8' W	PC	08	265	17	2-3	250	4-6	6.0	1014.0	8.1	6.8
21	54° 18.1' N 158° 44.6' W	PC	08	268	17	2-3	275	4-6	5.7	1015.0	7.5	6.2
22	54° 17.7' N 159° 02.1' W	PC	08	270	19	2-3	270	5-8	6.0	1015.6	7.1	5.9
23	54° 17.3' N 159° 13.0' W	CL	08	265	16	2-3	270	5-6	6.0	1015.8	7.1	5.8
24	54° 16.8' N 159° 35.5' W	PC	08	251	15	2-3	270	5-6	5.9	1017.5	6.0	5.0

REMARKS

DECK LOG - WEATHER OBSERVATION SHEET

NOAA SHIP	DAY	DATE	TIME ZONE
MILLER FREEMAN	MON	5-MAY-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	54° 16.5' N 159° 48.7' W	4C	08	250	20	3	270	5-6	5.9	1018.3	6.5	5.1
02	54° 15.9' N 160° 10.5' W	C	08	257	17	3-4	265	7-8	5.8	1019.1	6.1	4.9
03	54° 15.5' N 160° 29.8' W	PC	08	250	18	3-6	265	8	5.7	1019.1	6.0	4.9
04	54° 14.5' N 160° 44.7' W	PC	08	220	12	3-6	270	8	5.9	1020.0	5.9	4.9
05	54° 14.3' N 161° 05.7' W	CL	08	217	14	3-6	265	6	5.8	1020.0	5.7	5.5
06	54° 12.7' N 161° 22.9' W	CL	08	210	18	3-6	265	5-8	5.8	1019.5	5.7	5.0
07	54° 11.9' N 161° 41.4' W	CL	08	225	15	3-5	265	4-7	5.6	1019.5	5.9	5.0
08	54° 11.0' N 161° 51.0' W	CL	08	223	14	2-4	255	4-8	5.5	1020.1	5.9	4.9
09	54° 10.2' N 162° 16.6' W	CL	08	210	16	2-4	255	4-6	5.4	1020.3	5.8	5.1
10	54° 09.3' N 162° 32.4' W	CL	07	223	19	3-5	255	4-8	5.4	1020.5	5.7	5.1
11	54° 10.0' N 162° 50.7' W	CL	07	212	22	3-4	255	6-8	5.2	1020.1	5.6	5.1
12	54° 11.9' N 163° 11.9' W	CL	06	220	23	3-4	265	7-8	5.1	1020.0	5.5	5.2
13	54° 13.7' N 163° 29.4' W	CL	05	215	24	3-4	240 ⁷⁻⁸ ₅₋₆	7-8 ⁷⁻⁸ ₅₋₆	5.2	1019.4	5.6	5.2
14	54° 15.1' N 163° 45.6' W	CL/L	05	217	20	3-4	240	6-8	5.1	1019.8	5.6	5.5
15	54° 16.6' N 164° 02.9' W	CL	06	210	20	3-4	240	6-8	5.0	1020.0	6.0	6.0
16	54° 18.4' N 164° 24.3' W	CL	06	208	24	3-4	240	6-8	5.1	1019.5	6.5	6.5
17	54° 19.4' N 164° 47.5' W	CL	06	210	13	2-3	240	4-5	4.8	1020.0	9.8	6.5
18	54° 21.5' N 165° 02.7' W	CL	06	205	17	2-3	300	8	4.9	1019.5	6.0	5.7
19	54° 21.5' N 165° 19.7' W	CL	06	200	16	2-3	300	7		1018.5	6.0	5.7
20	54° 19.9' N 165° 38.4' W	CL	06	260	02	2-3	285	8-10	4.6	1019.1	6.9	6.5
21												
22												
23												
24												

REMARKS