NOAA Form 57-11-13D
(10-12)

U.S. DEPARTMENT OF COMMERCE
NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION

DECK LOG - WEATHER OBSERVATION SHEET

NOAA Ship: *Bell M Shimada* R-227

TIME ZONE	DAY OF WEEK	DATE (dd mmm yyyy)
-7	Monday	**1-Apr-2024**

HOURLY WX TIME	POSITION				SKY CONDITION	PRESENT WEATHER	VISIBILITY (nm)	WIND		SEA LEVEL Press. (mb)	SEA WAVE Height (ft)	SWELL WAVE		TEMPERATURE (C)		
	LATITUDE		LONGITUDE					Dir.	Speed			Dir.	Height	SEA WATER	DRY	WET
00	32 38.7	N	119 30.2	W	FEW		10	000	15	1008.6	3-4	290	5-6	14.8	14.4	12.5
01	32 35.8	N	119 35.8	W	FEW		10	340	20	1008.9	3-4	290	6-7	14.8	14.6	12.4
02	32 31.0	N	119 45.4	W	FEW		10	340	18	1009.3	3-4	300	7	14.9	14.7	12.4
03	32 26.9	N	119 53.7	W	FEW		10	350	12	1009.3	3-4	300	7	15.1	14.7	12.6
04	OPS	N		W												
05	32 25.1	N	119 59.5	W	SCT		10	340	20	1009.9	3-4	310	7-8	15.4	13.0	11.7
06	32 19.6	N	120 08.8	W	BKN		10	355	24	1011.0	3-4	310	7-8	15.4	14.3	12.1
07	32 15.3	N	120 17.6	W	BKN		10	350	21	1012.1	3-4	290	8-9	15.4	14.5	12.1
08	32 11.2	N	120 25.9	W	SCT		10	350	18	1013.1	3-4	290	10	15.6	14.7	12.3
09	32 06.8	N	120 34.7	W	SCT		10	350	17	1014.0	3-4	290	10	15.3	14.8	12
10	OPS	N		W												
11	32 05.1	N	120 39.2	W	SCT		10	340	12	1016.1	3-4	290	8-10	15.4	15.7	12.5
12	32 02.2	N	120 44.7	W	SCT	CLR	10	356	12	1016.8	4	290	7-9	15.5	15.3	12.5
13	31 57.3	N	120 53.9	W	SCT	CLR	10	340	11	1017.2	2-3	290	6-9	15.5	15.3	12.4
14	31 51.4	N	121 05.9	W	SCT	CLR	10	333	9	1017.2	3	290	5-7	15.6	15.6	12.1
15		N		W												
16	31 44.9	N	121 19.3	W	FEW		10	345	8	1017.6	2	290	7-8	17	16.3	11.9
17	31 45.1	N	121 19.8	W	FEW		10	340	10	1017.8	2	290	7-8	16.9	16.1	12.0
18	31 40.5	N	121 28.2	W	FEW		10	330	11	1018	2	290	8	16.9	16.2	12
19	31 34.4	N	121 40.6	W	CLR		10	348	10	1018	2	290	6-8	16.9	15.7	12.2
20	31 29.1	N	121 51.4	W	CLR		10	354	11	1019.2	2	290	6-8	16.8	15.4	12.3
21	31 25.0	N	121 59.7	W	SCT		10	340	11	1020.3	2	300	6-8	16.8	15.5	12.7
22	OPS	N		W												
23	31 20.6	N	122 09.5	W	SCT		10	350	12	1021.5	2	300	6-7	16.8	15.7	13.2

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NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION

DECK LOG - WEATHER OBSERVATION SHEET

NOAA Ship: Bell M Shimada R-227	TIME ZONE (-7 or -8)	DAY OF WEEK	DATE (dd mmm yyyy)
	-7	Tuesday	2-Apr-2024

HOURLY WX TIME	POSITION				SKY CONDITION	PRESENT WEATHER	VISIBILITY (nm)	WIND		SEA LEVEL Press. (mb)	SEA WAVE Height (ft)	SWELL WAVE		TEMPERATURE (C)		
	LATITUDE		LONGITUDE					Dir.	Speed			Dir.	Height	SEA WATER	DRY	WET
00	31 14.8	N	122 20.1	W	SCT		10	010	14	1021.7	2-3	300	7-8	16.7	15.7	13
01	31 09.5	N	122 30.8	W	BKN		10	350	11	1022.0	2-3	300	7-8	16.9	15.8	12.9
02	31 05.0	N	122 39.9	W	OVC		10	020	10	1022.3	1-2	300	5-6	17.1	15.6	12.6
03	31 05.2	N	122 40.5	W	OVC		10	020	9	1022.1	1	300	4-5	17	15.5	12.7
04	31 01.7	N	122 48.4	W	OVC		10	015	6	1022.0	1-2	300	5-6	17.3	15.7	12.6
05	30 56.7	N	122 56.8	W	BKN		10	015	7	1022.0	1-2	300	5-6	17.1	15.7	12.9
06	30 51.1	N	123 07.4	W	BKN		10	350	7	1022.6	1-2	300	5-6	16.7	15.6	12.7
07	30 46.8	N	123 16.2	W	BKN		10	350	7	1023.4	1-2	310	5-6	16.3	15.3	12.2
08	30 45.5	N	123 20.5	W	BKN		10	025	LT	1024.4	1-2	340	5-6	16.4	15.8	12.7
09	30 45.4	N	123 21.1	W	BKN		10	010	LT	1025	2	340	5-6	16.4	15.8	12.2
10	30 42.8	N	123 21.8	W	SCT		10	000	7	1025.5	2	340	5-6	16.3	16.1	12.6
11	30 37.5	N	123 33.6	W	FEW		10	012	8	1025.8	2	340	5-6	16.7	16.3	12.6
12	30 30.4	N	123 49.1	W	FEW	CLR	10	358	6	1026.0	2	340	5-6	16.7	16.5	12.8
13	DRILLS	N		W												
14	OPS	N		W												
15	OPS	N		W												
16	30 28.9	N	124 01.0	W	FEW		10	016	6	1025	2	340	5-6	17	16.6	13.1
17	30 38.9	N	123 57.4	W	SCT		10	000	7	1025.7	1-2	340	5-7	17.2	16.5	13.2
18	30 49.9	N	123 52.9	W	SCT		10	357	8	1025.7	1-2	340	5-7	17.2	16.2	13.2
19	31 00.6	N	123 49.8	W	SCT		10	335	9	1025.6	1	340	5-7	16.8	15.7	12.8
20	31 11.7	N	123 46.7	W	BKN		10	355	10	1025.8	1	340	5-7	16.7	15.4	12.8
21	OPS	N		W												
22	31 19.6	N	123 45.8	W	BKN		10	355	8	1026.7	1	340	5-7	16.1	15.0	12.5
23	31 23.5	N	123 37.0	W	BKN		10	350	10	1026.5	1	340	5-6	15.8	14.9	12.5

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NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION

DECK LOG - WEATHER OBSERVATION SHEET

NOAA Ship: Bell M Shimada R-227	TIME ZONE (-7 or -8)	DAY OF WEEK	DATE (dd mmm yyyy)
	-7	Wednesday	3-Apr-2024

HOURLY WX TIME	POSITION				SKY CONDITION	PRESENT WEATHER	VISIBILITY (nm)	WIND		SEA LEVEL Press. (mb)	SEA WAVE Height (ft)	SWELL WAVE		TEMPERATURE (C)		
	LATITUDE		LONGITUDE					Dir.	Speed			Dir.	Height	SEA WATER	DRY	WET
00	31 28.2	N	123 26.6	W	SCT		10	340	8	1026.3	2	330	5	16	14.8	12.7
01	31 33.6	N	123 15.7	W	SCT		10	330	11	1025.7	2	330	5	15.9	14.4	12.4
02	31 39.5	N	123 04.4	W	SCT		10	350	11	1025.1	2	330	5	15.9	14.3	12.5
03	31 39.5	N	123 04.6	W	SCT		10	340	11	1024.6	2	320	5	15.9	14.3	12.2
04	31 41.4	N	123 02.8	W	SCT		10	325	13	1024.2	2	320	5	15.9	14.3	12.2
05	31 46.0	N	122 52.3	W	SCT		10	330	14	1023.3	2	320	5	16.6	14.2	12.2
06	31 51.5	N	122 40.1	W	BKN		10	340	11	1023.2	2	320	5	16.6	14.2	12.2
07	31 56.3	N	122 29.7	W	BKN		10	330	12	1023.1	2	330	5	16.5	14.0	12.0
08	31 59.5	N	122 24.2	W	BKN		10	310	12	1023.9	2	330	4-5	16.5	14.1	12
09	31 59.6	N	122 24.8	W	BKN		10	310	11	1024.2	2	330	4-5	16.5	14.6	12.4
10	32 00.6	N	122 22.1	W	BKN		10	300	13	1024.1	2	330	4	16.4	15.5	12.5
11	32 06.2	N	122 09.6	W	BKN		10	300	14	1023	2	330	4-6	15.8	15.8	12.8
12	32 13.4	N	121 54.9	W	BKN	CLR	10	285	13	1023	2-3	330	4	15.77	16	13
13		N		W												
14		N		W												
15	32 21.8	N	121 37.5	W	BKN	CLR	10	397	13	1020.2	3	320	3	15.6	15.7	12.7
16	32 26.7	N	121 27.7	W	BKN		10	315	15	1019.4	2	330	3	15.7	15.9	13
17	32 32.7	N	121 16.0	W	BKN		10	315	15	1018.4	2-3	330	3	15.6	15.1	12.6
18	32 37.8	N	121 05.1	W	BKN		10	310	11	1017	2-3	330	3	15.7	14.9	12.5
19	32 38.9	N	121 02.4	W	BKN		10	325	14	1017.2	2-3	310	4	15.7	14.2	11.9
20	OPS	N		W												
21	32 44.1	N	120 52.2	W	BKN		10	300	10	1016.6	2-3	310	4	15.4	14.4	11.9
22	32 49.1	N	120 42.0	W	BKN		10	315	16	1016.0	2-3	310	4	15.3	14.5	12.7
23		N		W												
		N		W												

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DECK LOG - WEATHER OBSERVATION SHEET

NOAA Ship: Bell M Shimada R-227	TIME ZONE (-7 or -8)	DAY OF WEEK	DATE (dd mmm yyyy)
	-7	Thursday	4-Apr-2024

HOURLY WX TIME	POSITION				SKY CONDITION	PRESENT WEATHER	VISIBILITY (nm)	WIND		SEA LEVEL Press. (mb)	SEA WAVE Height (ft)	SWELL WAVE		TEMPERATURE (C)		
	LATITUDE		LONGITUDE					Dir.	Speed			Dir.	Height	SEA WATER	DRY	WET
00	32 59.3	N	120 21.1	W	BKN		10	290	17	1015	2-3	300	3	15.1	14.4	11.8
01	32 58.9	N	120 21.5	W	BKN		10	300	18	1014.5	2-3	300	3	15.2	14.3	12
02	32 59.0	N	120 23.0	W	BKN		10	300	17	1014	2-3	300	3	15.3	13.9	12.2
03	33 03.7	N	120 12.2	W	BKN		10	300	18	1013.2	2-3	300	3-4	15	14.1	12.1
04	OPS	N		W												
05	33 09.2	N	120 01.4	W	BKN	RA	10	320	20	1012.0	2-3	300	3-4	14.8	12.9	12.3
06	33 10.0	N	120 00.8	W	BKN		10	320	17	1012.0	2-3	300	3-4	14.7	13.3	12.2
07	33 15.1	N	119 50.6	W	BKN		10	315	26	1012.0	3	300	3-4	14.7	13.1	12.1
08	33 19.4	N	119 39.6	W	SCT		10	320	23	1012.4	3	300	3-4	14.7	14.4	11.7
09	33 19.3	N	119 40.8	W	SCT		10	320	20	1012.4	3	300	4-6	14.7	13.9	11
10	33 23.21	N	119 35.2	W	FEW		10	300	18	1012.7	3	300	4-6	14.6	16.1	12.5
11	33 27.5	N	119 24.0	W	FEW		10	310	19	1012.8	2	300	3	14.3	16.1	12.2
12	OPS	N		W												
13	OPS	N		W												
14	33 31.5	N	119 13.8	W	BKN	CLR	10	262	13	1012.3	4	300	2	14.5	15.7	11.4
15	33 36.5	N	119 04.2	W	BKN	CLR	10	263	12	1011.8	3	300	2	14.5	16	12
16	33 39.1	N	118 58.4	W	BKN		10	285	22	1011.7	3-4	270	3-4	14.3	13.5	11.1
17	33 38.5	N	118 59.1	W	OVC		10	280	24	1011.8	3-4	270	4	14.0	13.0	10.4
18	33 40.2	N	118 56.7	W	BKN		10	287	17	1011.5	2-4	270	2-4	14.2	13.7	10.7
19	33 45.6	N	118 45.6	W	BKN		10	270	13	1011.4	2-4	270	2-4	14.0	13.5	10.4
20	OPS	N		W												
21	33 49.2	N	118 38.3	W	SCT		10	260	16	1011.8	2-4	270	2-4	14.3	12.9	9.4
22	33 50.1	N	118 35.3	W	SCT		10	270	15	1012.2	2-4	270	2-4	14.3	12.8	9.4
23		N		W												
		N		W												

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DECK LOG - WEATHER OBSERVATION SHEET

NOAA Ship: Bell M Shimada R-227	TIME ZONE (-7 or -8)	DAY OF WEEK	DATE (dd mmm yyyy)
	-7	Friday	5-Apr-2024

HOURLY WX TIME	POSITION				SKY CONDITION	PRESENT WEATHER	VISIBILITY (nm)	WIND		SEA LEVEL Press. (mb)	SEA WAVE Height (ft)	SWELL WAVE		TEMPERATURE (C)		
	LATITUDE		LONGITUDE					Dir.	Speed			Dir.	Height	SEA WATER	DRY	WET
00	OPS															
01	33 53.7	N	118 32.1	W	OVC		10	290	18	1012	2	290	3-4	13.9	11.9	9.4
02	33 56.2	N	118 42.8	W	BKN		10	260	19	1011.6	2	290	3-4	13.9	11.7	8.7
03	34 00.3	N	118 50.8	W	BKN		10	030	5	1011.1	1	290	1	13.4	10.7	8.1
04	33 57.0	N	118 54.4	W	SCT		10	280	12	1010.7	2-3	290	2-3	13.2	11.3	8.4
05	33 52.9	N	119 02.5	W	BKN		10	280	11	1010.5	2-3	290	2-3	14.	10.6	8.2
06	33 53.9	N	119 14.1	W	BKN		10	350	11	1010.4	2-3	240	3-4	13.9	11.0	9.3
07	33 54.8	N	119 24.3	W	BKN		10	330	11	1010.9	2-3	240	3-4	14.0	10.8	9.0
08	33 55.2	N	119 28.5	W	SCT		10	300	14	1011.7	2-3	260	3-5	13.7	11.6	9.4
09	33 53.9	N	119 29.3	W	BKN		10	330	13	1012.4	2-3	260	3-5	13.9	11.8	8.9
10	34 01.3	N	119 28.4	W	SCT		10	300	12	1013.0	2-3	290	2-4	13.9	13.1	9.8
11	34 02.8	N	119 25.2	W	SCT		10	310	20	1013.8	2-3	290	3-4	14.3	12.6	9
12	34 05.5	N	119 28.3	W	SCT	CLR	10	279	29	1013.7	3	300	3	14.2	11.7	8.2
13		N		W												
14	34 31.9	N	119 29.8	W	OVC	RASQ	7	261	17	1013.8	3-4	300	3	13.6	12.6	9.6
15		N		W												
16	34 15.4	N	119.23.3	W	SCT	RASQ	8	260	36	1012.8	4	280	3	13.6	12.6	9.1
17	34 15.8	N	119 31.4	W	BKN		10	270	25	1013.5	3	290	4-5	13.3	11.6	8.7
18	34 17.5	N	119 40.0	W	BKN	SQ	10	295	22	1013.8	4	290	4-5	12.7	12.1	8.5
19		N		W												
20	34 21.9	N	119 50.4	W	BKN		10	310	20	1015.7	4	260	5-6	12.7	11.7	8.2
21	OPS	N		W												
22	OPS	N		W												
23	34 16.9	N	120 02.9	W	SCT		10	320	21	1018.3	4	360	5-6	12.8	11.4	8.6
		N		W												

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DECK LOG - WEATHER OBSERVATION SHEET

NOAA Ship: Bell M Shimada R-227	TIME ZONE (-7 or -8)	DAY OF WEEK	DATE (dd mmm yyyy)
	-7	Saturday	6-Apr-2024

HOURLY WX TIME	POSITION				SKY CONDITION	PRESENT WEATHER	VISIBILITY (nm)	WIND		SEA LEVEL Press. (mb)	SEA WAVE Height (ft)	SWELL WAVE		TEMPERATURE (C)		
	LATITUDE		LONGITUDE					Dir.	Speed			Dir.	Height	SEA WATER	DRY	WET
00	34 09.8	N	119 56.1	W	FEW		10	320	23	1018.6	3	260/300	5-6	12.7	12.1	9
01	34 08.5	N	119 51.9	W	FEW		10	300	26	1018.8	3	260/300	4-5	12.8	11.4	8.3
02	34 05.0	N	119 59.4	W	FEW		10	320	28	1019.5	3	260/300	4-5	12.9	11.4	8.4
03		N		W												
04	33 56.0	N	119 54.2	W	FEW		10	320	30	1019.4	3	260/300	5-6	13.0	11.8	8.4
05	33 52.6	N	120 06.2	W	FEW		10	320	22	1020.5	3	260/300	5-6	13.3	11.4	7.5
06	OPS	N		W												
07	33 52.6	N	120 09.1	W	FEW		10	340	20	1021.6	3	260/300	5-6	13.0	11.4	8.3
08	33 47.96	N	120 08.6	W	CLR		10	320	22	1023.1	3	300	5-6	13.0	12	9
09	33 48.6	N	120 11.3	W	CLR		10	350	22	1023.2	3	300	5-6	12.9	12.1	8.8
10	33 48.4	N	102 19.8	W	CLR		10	340	20	1023.8	3	300	6-8	13.2	11.9	8.6
11	33 47.8	N	120 24.9	W	CLR		10	330	25	1024.6	3	300	6-8	13.1	12.5	8.5
12	OPS	N		W												
13	OPS	N		W												
14	33 40.4	N	120 32.8	W	FEW	CLR	10	341	24	1024.4	3-4	300	6	13.9	12.7	9.2
15	33 35.4	N	120 43.6	W	FEW	CLRF	10	328	24	1024	3-4	330	6-9	14.6	13	10
16	33 34.2	N	120 46.4	W	FEW		10	340	23	1023.3	3	320	6-9	14.7	13.5	10.1
17	33 33.7	N	120 48.0	W	FEW		10	340	23	1023.1	3	320	6-9	14.8	13.5	9.5
18	33 27.6	N	121 00.0	W	FEW		10	335	22	1022.8	3	340	6-9	15.1	13.7	10.3
19	33 22.3	N	121 10.8	W	FEW		10	335	19	1022.6	3	340	6-9	15.1	13.4	10.1
20	33 14.6	N	121 26.8	W	FEW		10	345	20	1022.9	3	320	7-9	14.8	13.2	9.7
21	OPS	N		W												
22	33 12.9	N	121 32.8	W	SCT		10	330	25	1022.9	3	320	7-9	14.7	13.4	10.1
23	33 10.4	N	121 37.0	W	SCT		10	335	25	1022.8	3	320	7-9	14.9	13.4	10.0
		N		W												

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DECK LOG - WEATHER OBSERVATION SHEET

NOAA Ship: Bell M Shimada R-227	TIME ZONE (-7 or -8)	DAY OF WEEK	DATE (dd mmm yyyy)
	-7	Sunday	7-Apr-2024

HOURLY WX TIME	POSITION				SKY CONDITION	PRESENT WEATHER	VISIBILITY (nm)	WIND		SEA LEVEL Press. (mb)	SEA WAVE Height (ft)	SWELL WAVE		TEMPERATURE (C)		
	LATITUDE		LONGITUDE					Dir.	Speed			Dir.	Height	SEA WATER	DRY	WET
00	33 03.3	N	121 50.0	W	SCT		10	330	19	1023.0	3	300	5-6	14.7	13.4	9.6
01	32 58.2	N	122 00.5	W	SCT		10	340	22	1023.1	3	300	5-6	14.6	13.6	9.8
02	32 54.6	N	122 07.8	W	SCT		10	330	16	1023.1	3	300	5-6	14.7	13.6	9.9
03	32 54.8	N	122 08.9	W	BKN		10	330	22	1022.1	3	300	5-6	14.7	13.5	9.6
04	32 50.3	N	122 17.6	W	BKN		10	330	21	1021.8	3	300	5-6	14.7	13.5	9.7
05	32 44.0	N	122 29.9	W	BKN		10	340	20	1021.8	3	300	5-6	15.0	14.1	9.8
06	32 37.2	N	122 43.7	W	BKN		10	330	18	1022.3	3	300	5-6	14.5	14.0	10.5
07	OPS	N		W												
08	32 34.7	N	122 48.9	W	BKN		10	330	17	1022.9	3	300	5-6	14.5	14	10.4
09		N		W												
10	32 29.6	N	122 59.1	W	FEW		10	335	17	1023.3	3	300	5-6	15	13.5	10.6
11	32 23.8	N	123 10.9	W	FEW		10	335	18	1023.6	3	325	5-6	15.3	13.7	11
12	32 15.5	N	123 27.8	W	FEW	CLR	10	344	18	1023.7	3	325	5	15.2	14.1	10.8
13	OPS	N		W												
14	32 14.3	N	123 32.3	W	OVC	RASQ	10	332	19	1023.0	3	320	5	15.2	14.1	11.1
15	32 08.5	N	123 42.0	W	BKN	CLR	10	340	22	1022.5	3	320	5	15.2	13.5	11.1
16	32 01.8	N	123 55.6	W	BKN		10	348	20	1022.1	3	320	6	15.3	14.5	11.4
17	31 57.7	N	124 04.2	W	BKN		10	350	19	1022.0	3	330	5-6	15.1	14.3	11.9
18	31 54.5	N	124 10.6	W	SCT		10	346	23	1021.5	3	330	5-6	15.3	14.4	11.7
19	31 55.4	N	124 11.4	W	SCT		10	340	23	1021.4	3	330	5-6	15.3	14.6	11.3
20	32 05.6	N	124 07.7	W	SCT		10	340	27	1021.0	3	330	5-6	15.1	14.1	10.7
21	32 13.5	N	124 05.1	W	SCT		10	350	22	1021.0	3	330	5-6	14.7	14.0	10.8
22	32 25.5	N	124 01.2	W	SCT		10	350	21	1021.4	3	330	5-6	14.5	14.0	11.3
23	32 31.8	N	123 59.4	W	SCT		10	350	25	1021.5	3	330	6-7	14.6	13.6	11.1
		N		W												

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U.S. DEPARTMENT OF COMMERCE
NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION

DECK LOG - WEATHER OBSERVATION SHEET

NOAA Ship: Bell M Shimada R-227	TIME ZONE (-7 or -8)	DAY OF WEEK	DATE (dd mmm yyyy)
	-7	Monday	8-Apr-2024

HOURLY WX TIME	POSITION				SKY CONDITION	PRESENT WEATHER	VISIBILITY (nm)	WIND		SEA LEVEL Press. (mb)	SEA WAVE Height (ft)	SWELL WAVE		TEMPERATURE (C)		
	LATITUDE		LONGITUDE					Dir.	Speed			Dir.	Height	SEA WATER	DRY	WET
00	32 40.7	N	123 56.7	W	FEW		10	350	27	1021.2	3	320	6-7	14.5	13.6	10.6
01	OPS	N		W												
02	OPS	N		W												
03	32 49.7	N	123 53.8	W	FEW		10	000	28	1020.3	3-4	330	7-8	14.5	12.9	10.7
04	32 54.3	N	123 43.3	W	SCT		10	350	26	1019.3	3-5	330	7-8	14.5	13.5	11.1
05	32 58.9	N	123 33.8	W	SCT		10	340	26	1018.9	3-5	330	7-8	14.4	13.8	10.2
06	33 02.6	N	123 26.3	W	SCT		10	335	25	1019.0	3-5	330	7-8	14.4	13.8	10.9
07	33 06.8	N	123 17.8	W	SCT		10	340	30	1019.0	3-5	330	8-9	14.5	13.6	10.6
08	OPS	N		W												
09	OPS	N		W												
10	33 10.5	N	123 14.1	W	SCT		10	340	27	1020.4	5	340	10	14.8	14.9	11.5
11	33 14.3	N	123 03.6	W	ECLIPSE		10	330	23	1020.2	5	340	10	14.6	14.6	11.7
12	33 17.1	N	122 56.5	W	SCT	CLR	10	332	21	1019.6	5	340	10	14.6	14.6	11.5
13	33 20.9	N	122 48.6	W	SCT	CLR	10	331	19	1019.3	5	340	10	14.8	15	12.1
14	33 25.4	N	122 41.4	W	SCT	CLR	10	330	30	1019.2	5-6	330	10-11	14.8	14.8	12
15	33 30.7	N	122 36.4	W	OVC	CLR	10	340	24	1019.4	5-6	330	10-11	14.9	15.3	12.7
16	33 29.0	N	122 33.4	W	OVC		10	340	23	1019.1	5-6	340	10-12	14.9	14.5	12.2
17	33 29.6	N	122 33.6	W	OVC		10	340	25	1018.6	5-6	340	10-12	14.9	14.6	12.2
18	33 34.5	N	122 27.7	W	OVC		10	330	25	1018.1	5-6	340	10-12	14.9	14.6	12.5
19	33 33.6	N	122 17.8	W	BKN		10	339	23	1017.6	5	340	10-12	14.8	14.3	12.5
20	33 40.9	N	122 08.8	W	BKN		10	330	28	1017.9	5	340	9-10	14.8	14.1	12.6
21	33 40.7	N	122 02.8	W	SCT		10	330	29	1018.3	4-5	340	9-10	14.7	14.1	12.5
22	33 44.0	N	121 54.7	W	SCT		10	330	24	1018.1	4-5	340	9-10	14.8	14.0	12.7
23		N		W												
		N		W												

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U.S. DEPARTMENT OF COMMERCE
NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION

DECK LOG - WEATHER OBSERVATION SHEET

NOAA Ship: Bell M Shimada R-227	TIME ZONE (-7 or -8)	DAY OF WEEK	DATE (dd mmm yyyy)
	-7	Tuesday	9-Apr-2024

HOURLY WX TIME	POSITION				SKY CONDITION	PRESENT WEATHER	VISIBILITY (nm)	WIND		SEA LEVEL Press. (mb)	SEA WAVE Height (ft)	SWELL WAVE		TEMPERATURE (C)		
	LATITUDE		LONGITUDE					Dir.	Speed			Dir.	Height	SEA WATER	DRY	WET
00	OPS															
01	OPS															
02	33 52.1	N	121 39.6	W	CLR		10	340	24	1017.9	3	340	7-8	14.1	13.8	12.4
03	33 55.00	N	121 28.8	W	CLR		10	340	24	1017.3	3	340	7-8	14.1	13.6	12.5
04	33 58.6	N	121 15.9	W	FEW		10	330	22	1016.8	3	340	7-8	14.0	13.8	12.9
05	34 00.8	N	121 07.7	W	FEW		10	325	22	1016.4	3	340	7-8	13.2	13.6	12.7
06	OPS	N		W												
07	34 02.6	N	121 04.4	W	CLR		10	345	20	1017.2	3	340	7-8	13.1	13.4	12.5
08	34 08.9	N	121 08.8	W	CLR		10	350	18	1018.1	3	340	7-8	12.8	13.8	12.8
09	34 09.4	N	121 09.7	W	CLR		10	340	16	1018.6	3	330	6-7	13.0	14.2	13.1
10	34 09.2	N	121 09.9	W	CLR		10	350	16	1018.7	3	330	6-8	13	14.5	13.2
11	34 09.6	N	121 03.7	W	CLR		10	345	14	1018.8	3	330	6-8	12.5	15.6	13.4
12	34 08.8	N	120 50.8	W	FEW	CLR	10	297	12	1018.8	3	330	5-7	12.9	15.6	13.2
13	34 08.7	N	120 39.1	W	CLR	CLR	10	290	12	1018.5	3	330	4	12.8	15.1	12.9
14	OPS	N		W												
15	34 12.9	N	120 39.7	W	FEW	CLR	10	310	17	1018	3	330	4	12.7	14.2	13.2
16	34 18.2	N	120 46.1	W	FEW		10	335	13	1017.9	3	330	4-5	12.4	13.8	12.9
17	34 19.8	N	120 47.4	W	FEW		10	335	13	1017.6	3	300	4-5	12.1	13.8	12.9
18	34 20.3	N	120 48.8	W	FEW		10	330	15	1017.6	3	300	4-5	11.9	13.7	12.9
19	34 22.7	N	120 41.5	W	FEW		10	330	17	1017.2	3	320	4-5	12.3	13.6	12.9
20	OPS	N		W												
21	OPS	N		W												
22	34 27.6	N	120 30.3	W	FEW		10	030	4	1017.4	2	320	4-5	12.0	18.4	11.5
23	34 32.2	N	120 41.7	W	FEW		10	005	26	1017.5	3	320	5-6	11.2	12.5	11.9
		N		W												

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U.S. DEPARTMENT OF COMMERCE
NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION

DECK LOG - WEATHER OBSERVATION SHEET

NOAA Ship: Bell M Shimada R-227	TIME ZONE (-7 or -8)	DAY OF WEEK	DATE (dd mmm yyyy)
	-7	Wednesday	10-Apr-2024

HOURLY WX TIME	POSITION				SKY CONDITION	PRESENT WEATHER	VISIBILITY (nm)	WIND		SEA LEVEL Press. (mb)	SEA WAVE Height (ft)	SWELL WAVE		TEMPERATURE (C)		
	LATITUDE		LONGITUDE					Dir.	Speed			Dir.	Height	SEA WATER	DRY	WET
00	34 38.3	N	120 46.7	W	CLR		10	340	12	1018.2	1-2	340	4	12.3	12.8	12.5
01	34 48.7	N	120 46.7	W	CLR		10	340	12	1017.8	2	340	4	11.6	12.5	12.1
02	34 56.8	N	120 46.7	W	CLR		10	340	11	1017.8	2	340	4	11.5	12.1	11.8
03	35 05.2	N	120 46.6	W	CLR		10	330	5	1017.5	1	340	3	11.1	11.8	11.3
04	35 04.5	N	120 48.2	W	FEW		10	345	10	1016.9	1-2	340	3-5	11.1	11.9	11.4
05	35 00.8	N	120 57.2	W	FEW		10	340	19	1016.2	2-3	340	5-6	11.9	12.8	12.5
06	OPS	N		W												
07	34 55.3	N	121 07.7	W	FEW		10	340	21	1016.8	2-3	320	5-6	13.1	13.5	13.0
08	34 53.4	N	121 12.1	W	CLR	HZ	10	340	17	1017.1	2-3	315	4-6	13.6	13.6	13
09	34 53.7	N	121 13.6	W	OVC	FGVC	<1	340	15	1017.4	2-3	315	4-6	13.6	12.6	12.3
10	34 47.8	N	121 23.5	W	OVC	FGVC	<1	350	20	1017.5	2-4	345	4-6	14.1	12.1	12
11	34 43.3	N	121 32.8	W	OVC	FG	<1	330	16	1018.0	2-4	315	4-6	13.7	12.5	12.4
12	34 41.4	N	121 38.5	W	BKN	FGBC	3	319	19	1017.5	3-4	320	5	13.0	12.4	12.2
13	34 35.8	N	121 48.6	W	BKN	FCVC	10	323	20	1017.3	3-4	320	5-6	13.5	12.9	12.4
14	34 29.7	N	122 01.2	W	BKN	FGBC	10	323	20	1017.2	4	320/010	5-6	13.8	13.4	12.7
15		N		W												
16	34 23.7	N	122 13.8	W	BKN		10	330	16	1017.0	4	330/040	6-7	14.3	14.0	13.1
17	34 23.1	N	122 15.2	W	BKN		10	335	15	1016.6	4	330/040	6-7	14.4	14.5	13.2
18	34 21.1	N	122 19.4	W	SCT		10	340	21	1016.1	4	330/040	6-8	14.5	14.4	13.2
19	34 15.6	N	122 30.7	W	BKN		10	340	19	1016	4	330/040	5-7	14.9	13.9	13.1
20	34 09.5	N	122 43.6	W	BKN		10	330	19	1016.0	3-4	330/040	5-7	15.0	13.6	12.7
21	34 04.4	N	122 54.1	W	BKN		10	340	23	1016.5	3-4	330	5-7	15.0	13.6	12.7
22	OPS	N		W												
23	34 02.6	N	123 01.4	W	BKN		10	340	21	1016.6	3-4	330	5-7	15.0	13.5	12.6
		N		W												

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U.S. DEPARTMENT OF COMMERCE
NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION

DECK LOG - WEATHER OBSERVATION SHEET

NOAA Ship: Bell M Shimada R-227	TIME ZONE (-7 or -8)	DAY OF WEEK	DATE (dd mmm yyyy)
	-7	Thursday	11-Apr-2024

HOURLY WX TIME	POSITION				SKY CONDITION	PRESENT WEATHER	VISIBILITY (nm)	WIND		SEA LEVEL Press. (mb)	SEA WAVE Height (ft)	SWELL WAVE		TEMPERATURE (C)		
	LATITUDE		LONGITUDE					Dir.	Speed			Dir.	Height	SEA WATER	DRY	WET
00	33 57.00	N	123 11.3	W	OVC		10	340	23	1016.6	3	320	6-7	14.8	13.3	12.4
01	33 50.9	N	123 22.3	W	OVC		10	350	18	1016.3	3	320	5-6	14.5	13.1	12.2
02	33 45.3	N	123 33.8	W	OVC		10	350	17	1016.2	3	320	5-6	14.5	13.2	12.4
03	33 43.2	N	123 38.5	W	OVC		10	350	16	1015.8	3	340	4-5	14.4	13.3	12.2
04	33 43.5	N	123 40.6	W	OVC		10	000	20	1015.4	3	340	4-5	14.3	13.4	12.2
05	33 38.3	N	123 49.6	W	OVC		10	350	17	1015.0	3	340	4-5	14.1	13.6	12.2
06	33 31.5	N	124 02.4	W	OVC		10	355	17	1015.1	3	340	4-5	14.4	13.9	12.5
07	33 26.5	N	124 12.7	W	BKN		10	355	21	1014.8	3	340	4-5	14.3	14.1	12.6
08	33 23.8	N	124 20.0	W	BKN		10	350	18	1015.4	4	340	7-9	14.7	14.4	12.8
09	33 23.9	N	124 20.6	W	BKN		10	340	22	1015.6	4	350	7-9	14.7	14.5	12.7
10	33 28.5	N	124 19.6	W	BKN		10	350	18	1015.5	4	350	6-8	14.8	15.1	13
11	33 37.7	N	124 16.1	W	BKN		10	350	16	1015.6	4	350	6-8	14.5	15.2	13.3
12	33 48.7	N	124 12.1	W	BKN	CLR	10	340	22	1015.1	4	350	6-8	14.3	15.4	13.4
13	33 57.6	N	124 09.7	W	BKN	CLR	10	338	24	1014.8	5	350	6-8	14.4	15	13.1
14	34 06.7	N	124 07.0	W	BKN	CLR	10	332	25	1014.0	5	350	6-8	14.4	15.1	13.4
15	34 15.9	N	124 04.3	W	BKN	CLR	10	334	25	1013.3	5	350	6-8	14.3	15.0	13.4
16	34 18.5	N	124 04.3	W	SCT		10	000	22	1012.2	4	330	6-8	14.4	14.8	13.1
17	34 19.7	N	124 02.1	W	FEW		10	345	22	1011.7	4	330	6-8	14.5	15.1	13.4
18	34 24.5	N	123 51.2	W	FEW		10	346	21	1011	4	330	6-8	14.3	14.5	13.1
19	34 28.5	N	123 43.1	W	FEW		10	336	21	1010.4	4	330	6-10	14.2	14.2	13
20	34 32.1	N	123 35.4	W	SCT		10	340	21	1009.9	4	330	6-7	14.3	14.0	12.9
21	34 36.9	N	123 25.4	W	SCT		10	340	17	1010.1	3-4	330	5-7	14.1	13.9	12.8
22	OPS	N		W												
23	34 39.4	N	123 22.2	W	SCT		10	340	22	1010.0	3-4	330	5-7	14.1	13.8	12.6
		N		W												

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U.S. DEPARTMENT OF COMMERCE
NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION

DECK LOG - WEATHER OBSERVATION SHEET

NOAA Ship: Bell M Shimada R-227	TIME ZONE (-7 or -8)	DAY OF WEEK	DATE (dd mmm yyyy)
	-7	Friday	12-Apr-2024

HOURLY WX TIME	POSITION				SKY CONDITION	PRESENT WEATHER	VISIBILITY (nm)	WIND		SEA LEVEL Press. (mb)	SEA WAVE Height (ft)	SWELL WAVE		TEMPERATURE (C)		
	LATITUDE		LONGITUDE					Dir.	Speed			Dir.	Height	SEA WATER	DRY	WET
00	34 434.0	N	123 11.5	W	SCT		10	350	22	1009.9	4	330	7-8	14.1	13.6	12.3
01	34 48.1	N	123 02.0	W	FEW		10	330	20	1009.2	3-4	330	6-7	14.1	13.5	12.4
02	34 52.5	N	122 52.7	W	FEW		10	315	21	1009.0	3-4	330	6-7	14.0	13.3	12.2
03	34 57.1	N	122 43.1	W	BKN		10	310	18	1008.2	2-3	330	6-7	14.0	13.1	12.1
04	OPS	N		W												
05	34 59.5	N	122 41.0	W	BKN		10	300	21	1007.7	2-3	330	6-7	14.0	13.1	12.1
06	35 03.8	N	122 30.3	W	BKN		10	320	22	1007.1	2-3	330	5-7	14.0	13.4	12.1
07	35 08.8	N	122 18.5	W	BKN		10	310	16	1007.4	2-3	330	5-7	13.9	13.4	12.0
08	35 11.5	N	122 12.6	W	OVC		10	330	17	1007.4	2-3	330	5-6	14.2	13.1	11.3
09	35 16.1	N	122 02.9	W	OVC		10	330	16	1007.7	2-3	330	5-6	13.9	13.1	11.3
10	35 18.5	N	121 58.2	W	OVC		10	350	7	1008.6	2-3	330	5-6	14	13	11.2
11	35 19.0	N	121 59.7	W	OVC		10	260	5	1009.7	2-3	330	5-6	14	13.7	11.4
12	35 22.9	N	121 48.5	W	OVC	CLR	10	VAR	LT	1010.0	2	330	4	13.3	13.5	11.4
13		N	OPS	W												
14		N	OPS	W												
15	35 28.9	N	121 34.0	W	OVC	CLR	20	175	6	1010.4	2	330	3	12.8	13.8	11.9
16	35 34.4	N	121 24.2	W	OVC	HZ	8	160	6	1010.4	1	250/330	2-3	13.2	13.2	11.9
17	35 33.8	N	121 24.4	W	OVC	FGVC	6	110	7	1010.2	1	310/260	3-4	13.0	13.3	12.3
18	35 35.1	N	121 22.8	W	OVC	FGVC	<2	172	12	1010.1	1	310/260	3-4	13	12.5	12.2
19	35 38.4	N	121 16.0	W	OVC	FGVC	4	175	13	1010.5	1	310/260	2-4	12.3	13.2	12.6
20	35 39.9	N	121 22.2	W	OVC		8	160	14	1010.5	1	310	3-4	12.4	13.3	12.8
21	35 42.7	N	121 34.5	W	OVC		10	150	11	1010.6	1	310	3-4	12.6	13.1	12.6
22	35 45.8	N	121 46.8	W	OVC		10	150	15	1010.6	1	310	3-4	12.8	13.7	13.0
23	35 47.9	N	121 56.2	W	BKN		10	170	23	1010.1	1	310	3-4	13.1	13.8	12.8
		N		W												

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U.S. DEPARTMENT OF COMMERCE
NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION

DECK LOG - WEATHER OBSERVATION SHEET

NOAA Ship: Bell M Shimada R-227	TIME ZONE (-7 or -8)	DAY OF WEEK	DATE (dd mmm yyyy)
	-7	Saturday	13-Apr-2024

HOURLY WX TIME	POSITION				SKY CONDITION	PRESENT WEATHER	VISIBILITY (nm)	WIND		SEA LEVEL Press. (mb)	SEA WAVE Height (ft)	SWELL WAVE		TEMPERATURE (C)		
	LATITUDE		LONGITUDE					Dir.	Speed			Dir.	Height	SEA WATER	DRY	WET
00	35 50.0	N	122 06.8	W	OVC		10	130	18	1009.7	1-2	300	2-3	13.1	14	12.8
01	35 51.8	N	122 16.1	W	OVC		10	170	23	1008.9	1-2	200	2-3	13.3	14.2	12.2
02	35 52.3	N	122 21.3	W	OVC	RA	1	190	18	1008.8	1-2	200	2-3	13,3	13.6	12.3
03	35 53.0	N	122 20.1	W	OVC	RA	1	180	20	1009.2	2-3	180	3	13.3	11.1	10.9
04	35 59.3	N	122 08.2	W	OVC	RA	1	250	13	1009.7	2-3	180	3	12.1	10.6	10.3
05	OPS	N		W												
06	36 02.0	N	121 59.9	W	OVC		10	240	13	1010.2	2-3	180	3	12.1	10.7	9.5
07	36 06.0	N	121 53.1	W	OVC	FG	2	200	6	1011.5	2	180	3	12.3	10.4	9.4
08	36 10.7	N	121 44.2	W	OVC	RA	2	340	13	1012.7	2	180	3	11.4	9	8.2
09	36 10.2	N	121 44.8	W	OVC	RA	2	080	10	1013.2	2	180	3	11.3	9.4	7.6
10	36 09.8	N	121 45.9	W	OVC		8	90	15	1012.9	2	180/250	3	11.3	9.1	7.4
11	36 16.0	N	122 02.1	W	OVC		10	130	20	1011.9	3-4	180/250	3-5	11.2	10.8	7.9
12	36 19.4	N	122 13.5	W	OVC	DZ	8	146	24	1011.4	4	180/250	4-5	12.3	12.3	9.6
13	OPS	N		W												
14	36 21.1	N	122 19.4	W	OVC	DZBC	8	138	19	1011.6	4	250	5	12.5	11.4	9.9
15	36 23.6	N	122 30.2	W	OVC	DZBC	8	145	22	1011.4	4	250	5-7	12.4	12.2	10.7
16	36 25.6	N	122 39.2	W	OVC		10	140	27	1010.4	4	250	5-7	12.7	13.2	11.6
17	36 27.2	N	122 46.2	W	BKN		10	165	20	1010.4	5-6	270	7-8	12.7	13.1	11.5
18	36 28.4	N	122 44.6	W	OVC	RAVC	8	140	29	1009.7	5-6	270	8-10	12.6	11.7	11.1
19	36 31.9	N	122 36.2	W	OVC	RAVC	8	153	30	1009.5	5-6	270	8-10	12.6	11.8	10.8
20	36 38.9	N	122 29.3	W	OVC		10	130	25	1010.2	5	130	7-8	12.6	11.3	10.4
21	36 48.7	N	122 27.1	W	OVC	RA	1	140	28	1010.7	5	130	7-8	12.6	11.4	10.5
22	OPS	N		W												
23	36 55.7	N	122 24.0	W	OVC	RE	2	100	33	1010.6	5	130	7-8	12.1	9.6	9.4
		N		W												

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U.S. DEPARTMENT OF COMMERCE
NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION

DECK LOG - WEATHER OBSERVATION SHEET

NOAA Ship: Bell M Shimada R-227	TIME ZONE (-7 or -8)	DAY OF WEEK	DATE (dd mmm yyyy)
	-7	Sunday	14-Apr-2024

HOURLY WX TIME	POSITION				SKY CONDITION	PRESENT WEATHER	VISIBILITY (nm)	WIND		SEA LEVEL Press. (mb)	SEA WAVE Height (ft)	SWELL WAVE		TEMPERATURE (C)		
	LATITUDE		LONGITUDE					Dir.	Speed			Dir.	Height	SEA WATER	DRY	WET
00	36 52.8	N	122 17.1	W	OVC	RA	1	090	32	1010.2	5-6	130/330	6-7	12	10.1	9.9
01	36 49.5	N	122 08.8	W	OVC	RA	5	120	21	1010.6	3-5	130/330	5-6	11.6	10	9.5
02	OPS	N		W												
03	36 47.7	N	122 02.6	W	OVC	RA	5	140	13	1011.6	3	130/330	4-5	11.6	10.5	10.1
04	36 47.6	N	121 52.8	W	OVC		10	130	17	1012.2	2	130/330	3	11.5	10.5	9.6
05	OPS	N		W												
06	36 48.9	N	121 52.5	W	OVC		10	70	12	1013.7	2	260	4	11.6	10.1	9.5
07	36 50.4	N	121 57.3	W	BKN		10	85	13	1014.0	2	260	4	11.4	10.0	9.5
08	36 51.9	N	122 01.4	W	BKN		10	070	12	1014.0	2	260	4	11.3	10	9.5
09	36 53.0	N	122 01.4	W	FEW		10	075	8	1016	2	260	4	11.9	12.4	10.5
10	36 50.1	N	122 03.8	W	FEW		10	042	8	1017.2	2	260	4	11.6	12.9	10.9
11	36 41.8	N	122 07.7	W	SCT		10	040	7	1017.8	2	260	4	12.4	13.6	11.2
12	36 31.2	N	122 13.4	W	SCT		10	350	7	1018.6	1-2	260/350	5-6	12.6	13.3	11.2
13	36 24.8	N	122 16.7	W	BKN		10	350	10	1018.5	2	260/350	5-7	12.6	13.1	11.3
14	36 14.9	N	122 22.0	W	BKN	CLR	10	356	10	1019.1	2	260	6	12.6	13.2	11.7
15	36 06.8	N	122 26.2	W	BKN	CLR	10	319	19	1019.7	3	260	6	13.0	12.7	11
16	35 58.0	N	122 30.8	W	BKN	CLR	10	329	22	1019	3	260	6	12.9	12.8	10.8
17	35 49.0	N	122 35.5	W	SCT		10	320	20	1019.6	3	260	6	13.5	13.1	11.2
18	35 45.7	N	122 37.8	W	FEW		10	320	15	1019.7	3	300/270	6-8	13.3	13.1	11.1
19	35 44.3	N	122 41.2	W	FEW		10	335	19	1019.7	3	300/270	6-8	13.3	12.9	10.5
20	OPS	N		W												
21	35 39.4	N	122 51.3	W	SCT		10	310	16	1020.6	3	300	5-6	13.5	13.0	12.0
22	35 34.0	N	123 02.1	W	BKN		10	340	22	1020.7	3	300	5-6	13.6	12.7	11.9
23	35 32.8	N	123 04.4	W	BKN		10	330	20	1020.9	3	300	5-6	13.4	13.3	11.8
		N		W												

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U.S. DEPARTMENT OF COMMERCE
NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION

DECK LOG - WEATHER OBSERVATION SHEET

NOAA Ship: Bell M Shimada R-227	TIME ZONE (-7 or -8)	DAY OF WEEK	DATE (dd mmm yyyy)
	-7	Monday	15-Apr-2024

HOURLY WX TIME	POSITION				SKY CONDITION	PRESENT WEATHER	VISIBILITY (nm)	WIND		SEA LEVEL Press. (mb)	SEA WAVE Height (ft)	SWELL WAVE		TEMPERATURE (C)		
	LATITUDE		LONGITUDE					Dir.	Speed			Dir.	Height	SEA WATER	DRY	WET
00	OPS	N		W												
01	35 28.9	N	123 13.2	W	OVC		10	350	25	1020.6	3	330	5-6	13.7	13.3	10.9
02	35 23.8	N	123 23.7	W	BKN		10	340	21	1020.3	3	330	5-6	13.7	13.1	10.4
03	35 19.3	N	123 33.3	W	OVC		10	340	22	1020.4	3	330	5-6	13.7	13.1	10.3
04	35 13.8	N	123 44.7	W	OVC		10	330	21	1020.7	3	330	5-6	13.8	12.9	10.4
05	OPS	N		W												
06	35 12.7	N	123 48.1	W	BKN		10	340	19	1021.5	3	330	5-6	13.7	13.0	10.5
07	35 08.2	N	123 56.9	W	BKN		10	350	19	1022.4	3	330	5-6	13.8	13.0	11.2
08	35 03.0	N	124 07.5	W	BKN		10	344	20	1023.4	3	330	5-6	1401	12.1	11.4
09	34 58.3	N	124 17.3	W	BKN		10	000	21	1024.0	3	330	5-6	13.9	12.9	11.5
10	34 53.3	N	124 27.8	W	SCT		10	353	18	1024.4	3	330	5-6	14.0	12	11.4
11	34 53.1	N	124 29.7	W	BKN		10	350	17	1024.8	3	330	5-6	14.1	13.9	11.8
12	34 56.5	N	124 32.6	W	OVC	CLR	10	344	24	1024.9	3	330	5-6	14.2	13.9	10.7
13	35 03.3	N	124 36.7	W	OVC	CLR	10	350	21	1024.1	3	330	6	14.1	13.8	11.1
14	35 09.5	N	124 41.1	W	OVC	CLR	10	340	19	1023.9	3	330	6-7	14.3	13.7	11
15	35 16.0	N	124 45.9	W	OVC	CLR	10	335	19	1023.8	3-4	330	6-7	14.0	13.7	11.1
16	35 22.4	N	124 50.6	W	OVC	CLR	10	355	19	1023.5	3	330	6-7	13.6	13.8	10.7
17	35 26.7	N	124 53.8	W	OVC		10	340	20	1023.4	3	350	6-8	13.6	13.6	10.9
18	35 27.2	N	124 54.6	W	OVC		10	345	20	1023.3	3	350	6-7	13.5	13.4	11.2
19	35 28.2	N	124 54.4	W	OVC		10	342	21	1022.7	3	335	6-8	13.4	13.4	11.2
20	35 32.0	N	124 43.8	W	OVC		10	350	23	1022.4	3	340	6-7	13.5	12.8	10.5
21	35 36.6	N	124 34.2	W	OVC		10	355	26	1022.4	3	340	6-7	13.6	12.8	10.5
22	35 41.8	N	124 23.5	W	OVC		10	345	21	1022.7	3	340	6-8	13.6	12.8	10.7
23	35 45.6	N	124 15.1	W	OVC		10	340	28	1022.4	3	340	6-8	13.6	13.0	10.9
		N		W												

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U.S. DEPARTMENT OF COMMERCE
NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION

DECK LOG - WEATHER OBSERVATION SHEET

NOAA Ship: Bell M Shimada R-227	TIME ZONE (-7 or -8)	DAY OF WEEK	DATE (dd mmm yyyy)
	-7	Tuesday	16-Apr-2024

HOURLY WX TIME	POSITION				SKY CONDITION	PRESENT WEATHER	VISIBILITY (nm)	WIND		SEA LEVEL Press. (mb)	SEA WAVE Height (ft)	SWELL WAVE		TEMPERATURE (C)		
	LATITUDE		LONGITUDE					Dir.	Speed			Dir.	Height	SEA WATER	DRY	WET
00	OPS	N		W												
01	35 48.0	N	124 12.0	W	CLR		10	340	29	1021.7	4	340	8	13.6	12.9	11.2
02	35 51.5	N	124 02.6	W	CLR		10	340	28	1021.1	4	340	8	13.6	12.8	11.1
03	35 55.6	N	123 53.8	W	FEW		10	340	26	1020.3	3-4	340	7	13.6	12.7	11.2
04	36 01.4	N	123 41.7	W	SCT		10	335	27	1019.9	3-4	340	6-8	13.0	12.8	11.1
05	36 04.0	N	123 36.1	W	SCT		10	340	22	1019.9	3-4	340	6-8	12.9	12.7	11.0
06	OPS	N		W												
07	OPS	N		W												
08	36 08.6	N	123 30.1	W	OVC		10	344	18	1020.0	3-4	340	6-8	13.3	12.8	11.2
09	36 11.0	N	123 23.8	W	OVC		10	355	18	1019.9	3-4	340	6-8	13.5	12.8	11.1
10	36 16.4	N	123 09.9	W	SCT		10	350	15	1019.3	3-4	340	5-6	13.1	13.6	11.6
11	36 20.7	N	123 00.2	W	BKN		10	320	13	1019.8	2	340	3-5	12.6	13.6	11.6
12	36 26.4	N	122 48.0	W	BKN	CLR	10	309	14	1019.7	2-3	340	3-5	12.8	13.6	12
13	36 26.74	N	122 41.5	W	FEW	CLR	10	335	14	1019.2	3	340	3-4	12.8	13.8	12.3
14	36 32.7	N	122 31.6	W	FEW	CLR	10	330	19	1018.9	3	340	3-5	12.8	13.9	12.6
15		N		W												
16	36 37.0	N	122 25.7	W	FEW	HZ	10	345	18	1017.9	3	330	5-6	13.1	13.4	12.2
17	36 45.3	N	122 25.0	W	FEW	HZ	10	327	19	1016.9	3	330	5-7	13.1	13.7	12.5
18	36 50.2	N	122 25.2	W	BKN	HZ	10	321	23	1016.6	3	330	5-7	12.9	13.2	12
19	36 56.4	N	122 25.4	W	SCT	HZ	10	330	22	1016.8	3	330	5-6	12.5	12.8	11.9
20	OPS	N		W												
21	37 02.3	N	122 29.4	W	SCT		10	340	15	1017.2	3	340	5-6	12.1	12.4	11.4
22	37 10.3	N	122 33.0	W	SCT		10	330	13	1017.6	3	330	5-6	12.4	12.5	11.5
23	37 17.7	N	122 36.4	W	FEW		10	335	8	1017.4	2	330	5-6	12.1	12.4	11.3
		N		W												

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U.S. DEPARTMENT OF COMMERCE
NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION

DECK LOG - WEATHER OBSERVATION SHEET

NOAA Ship: Bell M Shimada R-227	TIME ZONE (-7 or -8)	DAY OF WEEK	DATE (dd mmm yyyy)
	-7	Wednesday	17-Apr-2024

HOURLY WX TIME	POSITION				SKY CONDITION	PRESENT WEATHER	VISIBILITY (nm)	WIND		SEA LEVEL Press. (mb)	SEA WAVE Height (ft)	SWELL WAVE		TEMPERATURE (C)		
	LATITUDE		LONGITUDE					Dir.	Speed			Dir.	Height	SEA WATER	DRY	WET
00	37 18.8	N	122 37.4	W	CLR		10	330	8	1017.5	1-2	330	3-4	12.3	12.4	11.3
01	37 14.2	N	122 46.5	W	CLR		10	350	19	1017.3	2-3	330	4-5	12.1	12.6	11.3
02	37 12.7	N	122 50.4	W	CLR		10	350	15	1017.0	3	330	5	12.0	12.5	11.3
03	37 11.0	N	122 555.3	W	CLR		10	340	24	1016.7	3	330	5-8	12	12.7	11
04	37 06.9	N	123 02.5	W	FEW		10	345	22	1016.8	3	330	6-8	12.0	12.7	11.0
05	OPS	N		W												
06	37 03.0	N	123 12.8	W	SCT		10	338	18	1016.5	3	330	6-8	12.2	12.3	11.0
07	37 00.8	N	123 17.00	W	BKN		10	340	23	1016.8	3	330	6-8	11.8	12.3	10.8
08	36 55.6	N	123 26.8	W	SCT		10	353	25	1016.9	3	330	6-8	11.8	12.6	11.1
09	36 51.0	N	123 36.6	W	BKN		10	351	25	1017.4	3	330	6-8	12.1	12.6	11.1
10	36 46.4	N	123 46.5	W	BKN		10	355	27	1017.8	3	330	6-8	12.5	13	11.3
11	36 44.5	N	123 54.1	W	SCT		10	350	20	1018.1	4	330	10	13.4	13.3	11.6
12	OPS	N		W												
13	SAFETY MTG	N		W												
14	36 46.7	N	124 04.0	W	SCT	CLR	10	040	21	1017.5	4	350	7-10	13.5	13.6	11.9
15	36 35.6	N	124 06.9	W	SCT	CLR	10	355	23	1017.1	4	350	7-10	13.3	14.0	11.8
16	36 32.8	N	124 12.0	W	SCT	CLR	10	355	25	1016.6	4	350	7-10	13.4	14	11.5
17	36 31.9	N	124 18.1	W	SCT		10	350	23	1016.3	4	350	8-9	13.4	14.0	11.1
18	36 24.7	N	124 24.0	W	SCT		10	355	26	1016.1	4	350	7-10	13.5	14	11.4
19	36 18.9	N	124 31.21	W	SCT		10	356	18	1015.9	4	350	7-10	13.8	14	11.7
20	OPS	N		W												
21	36 23.4	N	124 39.3	W	SCT		10	340	25	1015.9	4	340	7-9	13.6	13.4	10.9
22	36 19.4	N	124 48.3	W	FEW		10	350	21	1016.6	4	340	7-9	13.7	13.6	11.3
23	36 14.2	N	124 58.4	W	FEW		10	345	22	1016.9	4	340	7-9	13.6	13.3	11.4
		N		W												

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U.S. DEPARTMENT OF COMMERCE
NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION

DECK LOG - WEATHER OBSERVATION SHEET

NOAA Ship: Bell M Shimada R-227	TIME ZONE (-7 or -8)	DAY OF WEEK	DATE (dd mmm yyyy)
	-7	Thursday	18-Apr-2024

HOURLY WX TIME	POSITION				SKY CONDITION	PRESENT WEATHER	VISIBILITY (nm)	WIND		SEA LEVEL Press. (mb)	SEA WAVE Height (ft)	SWELL WAVE		TEMPERATURE (C)		
	LATITUDE		LONGITUDE					Dir.	Speed			Dir.	Height	SEA WATER	DRY	WET
00	36 09.2	N	125 07.6	W	FEW		10	340	22	1017.2	3-4	330	6-7	13.7	13.4	11.5
01	36 04.5	N	125 16.5	W	FEW		10	350	26	1017.3	3-4	330	6-7	13.7	13.1	11.5
02	36 03.6	N	125 20.8	W	FEW		10	340	18	1016.8	3-4	330	6-7	13.7	13.1	11.3
03	36 04.1	N	125 22.0	W	CLR		10	340	20	1015.9	3-4	340	6-7	13.6	13	11.3
04	36 08.5	N	125 25.2	W	SCT		10	355	15	1015.6	3-4	340	6-7	13.4	13.0	11.5
05	36 15.8	N	125 31.0	W	SCT		10	355	20	1015.4	3-4	340	6-7	13.1	12.8	11.5
06	36 22.5	N	125 35.7	W	SCT		10	345	15	1015.5	3-4	340	6-7	13.1	12.9	11.5
07	36 29.2	N	125 40.5	W	BKN		10	350	16	1015.7	3-4	340	6-7	12.9	13.1	11.7
08	36 34.1	N	125 44.1	W	SCT		10	340	17	1016.3	3-4	340	6-7	13.3	13.3	11.7
09	36 36.9	N	125 47.4	W	SCT		10	340	19	1016.9	3-4	350	8-10	13.6	13.8	11.9
10	36 37.8	N	125 48.2	W	SCT		10	320	21	1016.5	3-4	350	8-10	13.6	14.3	12.2
11	36 40.3	N	125 42.2	W	SCT		10	330	17	1016.5	3-4	350	8-10	13.6	15	12.6
12	36 40.5	N	125 31.0	W	SCT	CLR	10	320	19	1015.9	3-4	000	7-9	13.5	14.9	12.4
13	36 46.6	N	125 23.0	W	SCT	CLR	10	324	17	1015.4	3-4	000	6-8	13.6	14.6	12.4
14	36 51.5	N	125 14.5	W	SCT	CLR	10	318	15	1015.3	3-4	000	4-5	13.6	14.7	12.5
15	36 55.9	N	125 05.1	W	BKN	CLR	10	307	14	10151.1	3-4	000	3-4	13.7	14.8	12.6
16	36 56.6	N	125 03.6	W	BKN		10	325	20	1014.6	3	350	5-7	13.7	14.2	12.3
17	36 58.4	N	125 01.2	W	BKN		10	340	20	1014.1	3-4	350	5-6	13.7	14.6	12.6
18	37 01.9	N	124 52.5	W	BKN		10	360	18	1013.9	3-4	350	5-6	13.6	14.3	12.6
19	37 06.2	N	124 43.0	W	BKN		10	325	17	1013.6	2-4	350	4-6	13.4	13.7	12.4
20	37 12.0	N	124 30.3	W	BKN		10	330	17	1013.3	2-4	330	4-6	13.3	13.4	12.2
21	37 16.8	N	124 20.1	W	BKN		10	330	15	1013.9	2-3	330	4-5	13.0	13.1	12.0
22	37 17.0	N	124 21.8	W	SCT		10	320	11	1014.2	2-3	330	4-5	13.1	12.9	12.0
23	37 19.1	N	124 17.5	W	SCT		10	315	15	1014.0	2-3	330	4-5	13.0	13.0	12.0
		N		W												

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U.S. DEPARTMENT OF COMMERCE
NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION

DECK LOG - WEATHER OBSERVATION SHEET

NOAA Ship: Bell M Shimada R-227	TIME ZONE (-7 or -8)	DAY OF WEEK	DATE (dd mmm yyyy)
	-7	Friday	19-Apr-2024

HOURLY WX TIME	POSITION				SKY CONDITION	PRESENT WEATHER	VISIBILITY (nm)	WIND		SEA LEVEL Press. (mb)	SEA WAVE Height (ft)	SWELL WAVE		TEMPERATURE (C)		
	LATITUDE		LONGITUDE					Dir.	Speed			Dir.	Height	SEA WATER	DRY	WET
00	37 22.9	N	124 08.5	W	FEW		10	310	14	1013.7	2	350	4	12.8	12.7	11.9
01	37 27.2	N	123 57.6	W	FEW		10	290	11	1013.6	1-2	350	3-4	12.5	12.6	11.9
02	37 32.8	N	123 46.7	W	FEW		10	320	11	1013.2	1-2	350	3-4	12	12.2	11.7
03	37 36.8	N	123 36.6	W	FEW		10	280	5	1013.0	1	350	1-2	11.4	11.8	11.4
04	37 36.4	N	123 38.0	W	FEW		10	320	3	1012.9	1	350	1-2	11.4	11.7	11.4
05	37 41.3	N	123 28.9	W	SCT		2	VAR	LT	1012.9	1	350	1-2	12.0	11.4	11.1
06	37 46.3	N	123 19.8	W	BKN		10	VAR	LT	1013.0	1	350	1-2	12.0	11.4	10.6
07	37 50.0	N	123 11.8	W	BKN		10	200	4	1013.5	1	310	1-2	12.1	11.1	10.1
08	37 50.8	N	123 05.7	W	BKN		10	200	10	1014	1	310	1-2	12.8	11.4	10.3
09	37 53.7	N	123 10.4	W	BKN		10	160	3	1014	1	310	1-2	12.1	11.9	10.4
10	37 55.8	N	123 20.7	W	BKN		10	170	5	1014.3	1	310	1-2	12.1	12.8	11.1
11	38 01.3	N	123 28.5	W	BKN		10	176	4	1014.5	1	310	1-2	11.5	15	13
12	38 02.1	N	123 26.8	W	SCT	CLR	10	180	4	1014.7	1	320	1-2	11.2	14.6	12.5
13	38 01.5	N	123 26.9	W	SCT	CLR	10	VAR	LT	1014.4	1	310	1	11.7	15.6	12.9
14	38 01.2	N	123 27.0	W	SCT	CLR	10	173	4	1014.4	1	310	1	13.1	15.7	13
15	38 01.7	N	123 26.7	W	BKN	CLR	10	250	9	1014.4	1	310	1	13.0	13.1	11.8
16	38 00.5	N	123 26.2	W	OVC		10	290	11	1014	1	310	1	11.8	11.8	11
17	37 51.7	N	123 26.5	W	OVC		10	312	11	1014.1	1-2	310	1	12	11.1	10.4
18	37 46.3	N	123 26.7	W	OVC		10	328	14.4	1013.7	1-2	310	1-3	12.3	11.5	10.9
19	37 45.5	N	123 26.4	W	OVC		10	320	7	1013.4	1-2	310	1-3	12.5	12	11.3
20	37 39.4	N	123 26.4	W	OVC	CLR	10	321	9	1013.5	1-2	310	1-2	12.6	11.5	10.9
21	37 37.0	N	123 26.6	W	OVC	CLR	10	317	6	1013.8	1-2	310	1	12.6	11.5	10.8
22	37 30.9	N	123 26.6	W	OVC	CLR	10	300	10.5	1014.8	1-2	290	2	12.9	11.9	11.3
23	37 26.4	N	123 26.6	W	OVC	CLR	10	310	12	1014.9	1-2	290	2	12.0	11.7	11.1
		N		W												