

DECK LOG - WEATHER OBSERVATION SHEET

NOAA SHIP BELL M. SHIMADA	DAY SUNDAY	DATE 07 APR 13	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 BLUB	WET BULB
01												
02												
03	32° 45.7'N 117° 42.3'W	MC 7/8	10	VAR	LT	1-2	240	3-5	16.1	14.2	15.8	13.9
04												
05												
06												
07												
08												
09	32° 30' / 118° 15'	SCT CUS	10	290	11	2-3	280	4-6	15.1	10.5	15	13.5
10												
11	32 26.6N / 118 28W	MC 5/8	10	300	16	2-3	280	6-8	14.9	10.5	14.2	13.0
12												
13												
14												
15												
16	32° 14.9'N 118° 45.9'W	MC 7/8	8-10	320	19	3-4	280	7-10	14.2	13.5	15.0	13.1
17	32° 11.6'N 118° 51.6'W	CLDY 8/8	8-10	310	18	3-4	280	7-10	13.9	13.3	14.9	13.1
18												
19	32 11.9N 118 58.4W	CLDY 7/8	8-10	290	27	4-5	280	8-10	14.4	12.2	14.5	13.2
20	3											
21	32 21.3N 118 57.1W	MC 5/8	8-10	300	27	4-5	280	8-10	13.6	12.6	14.5	13.2
22	32 26 / 118 57	SCT CLDS	8-10	295	31	4-6	290	8-10	14.0	12.0	14.0	13.0
23	32 34 / 118 50	SCT CLDS	8	298	36	5-7	290	10	14.0	12.0	13.5	12.0
24												

REMARKS

## DECK LOG - WEATHER OBSERVATION SHEET

NOAA SHIP BELL M. SHIMADA	DAY MONDAY	DATE 08 APR 2013	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 BLUB	WET BULB
01	32° 39.1'N 118° 26.2'W	MC 6/8	8-10	290	23	3-5	290	7-11	14.9	11.4	12.9	12.2
02	32° 42.3'N 118° 14.7'W	PC 3/8	8-10	280	26	3-5	290	7-11	15.5	10.1	13.3	12.1
03	32° 50.8'N 118° 17.3'W	PC 3/8	8-10	290	27	3-5	290	6-8	15.3	9.2	13.7	12.3
04												
05	33-08.6N 118-22.4W	PC 3/8	10	290	23	4-6	290	6-10	15.5	8.1		
06												
07												
08												
09	33 17.0N 118 14.6W	PC 2/8	10	270	30	4-6	290	10-12	16.7	7.1	12.5	9.5
10	33 20.5N 118 18.4W	—	10	265	20	1-3	320	2-3	16.1	7.5	14.5	10.5
11												
12												
13												
14	33-00.8N 118-18.3W	HAZY	8	270	18	1-3	320	2-4	16.0	6.9	15.8	11.7
15	33- 20.8N 118- 18.3W	CLEAR HAZY	8	310	18	1-3	320	2-4	15.9	6.7	15.8	11.2
16												
17	33° 20.8'N 118° 18.3'W	CLEAR + HAZY	8-10	290	19	1-3	330	2-4	15.9	6.2	16.1	12.2
18	33° 20.8'N 118° 18.3'W	CLEAR + HAZY	8-10	280	14	1-3	330	2-4	15.8	6.9	15.8	11.9
19												
20	33 20.8N 118 18.3W	CLEAR + HAZY	8-10	300	18	1-3	330	2-4	16.1	7.9	16.5	10.5
21	33 20.8N 118 18.4W	CLEAR	8-10	282	19	1-3	330	2-4	15.6	8.2	16.5	11.5
22	33 20.8N 118 18.3W	CLEAR	8-10	300	15	1-3	330	2-4	15.7	9.4	16.0	10.5
23	33 20.8N 118 18.3W	CLEAR	9-10	305	20	1-3	330	2-4	15.7	9.6	16.0	11.0
24	33° 20.8'N 118° 18.3'W	CLEAR	8-10	320	19	1-3	330	2-4	15.7	10.5	15.7	11.2

REMARKS

## DECK LOG - WEATHER OBSERVATION SHEET

NOAA SHIP BELL M. SHIMADA	DAY TUESDAY	DATE 09 APR 2013	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 BLUB	WET BULB
01	33° 20.8' N 118° 18.3' W	CLEAR	8-10	305	17	1-3	330	2-4	15.7	10.6	16.2	10.4
02	33° 20.8' N 118° 18.3' W	CLEAR	8-10	310	20	1-3	330	2-4	15.7	10.7	15.9	11.2
03	33° 20.8' N 118° 18.4' W	CLEAR	8-10	300	14	1-3	330	2-4	15.6	10.8	15.2	10.8
04												
05												
06												
07	33-18.0 N 118-15.9 W	CLEAR	10	320	15	1-3	220	3-5	15.0	12.5	14.9	11.4
08	33° 14' N / 118° 15' W	SCAT CLOUDS HAZ-E	10	315	11	1-3	270	4-6	15.1	10.4	15.8	10.0
09												
10												
11												
12												
13	33-25.0 N 117-54.7 W	CLEAR	10	280	7	1-3	270	3-5	14.2	13.7	15.2	12.3
14												
15												
16												
17												
18												
19												
20												
21	33 38.3 N 119 11.4 W	CLEAR	10	260	15	1-3	270	2-4	12.8	14.0	15.0	12.5
22	33 41.3 N 119 24.1 W	CLEAR	10	280	07	1-3	270	2-4	12.2	15.2	14.5	12.2
23												
24	33° 53.3' N 118° 28.9' W	CLEAR	10	020	07	1-3	280	2-4	14.6	15.9	18.9	10.8

REMARKS

## DECK LOG - WEATHER OBSERVATION SHEET

NOAA SHIP BELL M. SHIMADA	DAY WEDNESDAY	DATE 10 APR 2013	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 BLUB	WET BULB
01	33° 54.3'N 118° 29.9'W	CLEAR	10	110	11	1-2	300	2-4	14.3	16.4	15.7	12.2
02	33° 50.8'N 118° 35.0'W	CLEAR	10	085	10	1-2	290	2-4	12.3	16.7	13.6	11.8
03												
04												
05	33-46.1 ~ 118-42.1 W	HZY	10	VAR	LT	1-2	260	2-4	13.3	17.2	13.8	12.4
06												
07	33-39.3 ~ 118-58.5 W	CLEAR	10	VAR	LT	<1	260	1-3	14.6	18.4	14.4	12.5
08	33 39N / 118 58 W	CLR	10	VAR	LT	1-2	260	1-3	14.6	19.5	15.0	13.0
09	33 37N / 119 02W	CLR	10	VAR	LT	1-2	260	1-3	14.6	19.7	15.6	12.2
10	33 32N / 119 12W	CLR	10	VAR	LT	1-2	260	1-3	13.8	20.1	15.0	12.2
11												
12												
13												
14												
15	33-16.8 ~ 118-59.0 W	CLEAR	10	260	10	1-2	260	2-5	14.0	18.3	16.0	13.0
16	33° 11.0'N 118° 48.9'W	CLEAR	10	260	10	1-2	280	2-5	14.3	17.8	16.3	13.4
17	33° 03.0'N 118° 40.1'W	CLEAR	10	240	11	1-2	280	3-5	14.2	17.1	17.2	14.3
18												
19												
20	32 55 ~ / 118 56 W	CLR	10	270	11	1-2	280	3-5	14.3	17.0	15.0	12.5
21												
22	32 49N / 119 07W	CLR	10	270	12	1-2	280	3-5	13.7	17.6	14.0	12.5
23												
24	32° 31.4'N 119° 20.3'W	CLR	10	260	14	1-2	280	3-5	13.5	17.2	13.7	12.8

REMARKS

## DECK LOG - WEATHER OBSERVATION SHEET

NOAA SHIP BELL M. SHIMADA	DAY THURSDAY	DATE 11 APR 2013	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 BLUB	WET BULB
01												
02	32° 11.9' N 119° 16.2' W	CLR	10	280	16	1-2	245	3-5	13.4	16.9	13.8	12.9
03												
04												
05												
06	31-54.0 ~ 119-27.6 W	CLR	10	270	14	1-3	290	4-7	15.1	15.5	13.5	12.6
07	31-51.0 ~ 119-23.8 W	CLDY 7/8	8-6	320	18	2-3	310	4-7	14.0	16.1	13.7	12.6
08												
09												
10	31 45.8 / 119 44.8	CLR 1/8	8-10	320	25	2-3	320	4-7	14.6	15.8	14.5	12.8
11	31 41.5 / 119 53.7	CLR 1/8	9-10	330	22	2-3	320	5-8	14.9	15.9	14.5	12.8
12	31-37.3 ~ 120-03.2 W	CLR 2/8	10	330	25	3-4	320	5-8	15.1	15.9	14.6	12.6
13												
14												
15												
16	31° 31.5' N 120° 18.4' W	CLDY 8/8	8	320	28	4-6	320	8-10	14.8	14.1	13.8	12.1
17	31° 30.2' N 120° 25.3' W	CLDY 8/8	8	325	29	4-6	320	8-10	14.3	13.9	13.8	11.5
18												
19	31° 16.2' N 120° 37.3' W	CLDY 8/8	8	325	25	4-6	320	8-10	14.1	13.8	12.9	11.2
20	31 16.2 N 120 44.0 W	CLDY 8/8	10	330	25	4-6	320	8-10	14.2	13.8	12.5	11.0
21												
22												
23												
24	31° 08.1' N 121° 08.1' W	CLDY 8/8	8	330	28	4-6	320	8-10	14.1	14.0	12.9	10.8

REMARKS

## DECK LOG - WEATHER OBSERVATION SHEET

NOAA SHIP BELL M. SHIMADA	DAY FRIDAY	DATE 12 APR 2013	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 BLUB	WET BULB
01	31° 07.2'N 121° 17.1'W	CLDY 8/8	8	320	27	2-4	320	8-10	15.0	14.1	13.0	10.7
02	31° 08.3'N 121° 25.1'W	CLDY 8/8	8	320	23	2-4	320	9-12	14.9	13.6	12.7	10.7
03	31° 06.8'N 121° 31.8'W	CLDY 8/8	8	320	30	2-4	320	8-11	14.7	13.3	13.2	10.8
04	30° 58.9'N 121° 34.3'W	CLDY 8/8	8	320	26	2-4	320	7-10	14.5	13.2	13.0	10.5
05												
06												
07	30° 44.6'N 121° 38.1'W	CLDY 8/8	8	340	25	2-4	320	7-10	14.8	14.2	13.2	11.1
08	30° 40'N / 121° 43'W	CLDY 8/8	8	330	25	2-4	320	8-10	14.7	14.5	13.2	11.5
09												
10	30° 36.3'N 121° 57.4'W	CLDY 8/8	10	340	25	2-4	320	8-10	15.9	15.5	14.5	11.0
11	30° 24.3'N 122° 01.7'W	CLDY 8/8	10	340	28	2-4	320	8-10	16.2	15.5	13.5	11.5
12												
13												
14												
15	30° 26.8'N 122° 16.6'W	CLDY 8/8	10	330	23	2-4	320	8-10	16.2	14.9	14.4	12.0
16	30° 17.9'N 122° 20.0'W	CLDY 8/8	8	340	23	3-5	320	7-10	16.2	14.6	14.8	11.9
17												
18												
19	30° 05.9'N 122° 34.7'W	CLDY 8/8	8	335	22	3-5	320	7-9	15.7	14.8	13.9	11.6
20	30° 09' / 122° 47'	CLDY 8/8	8	344	22	3-5	320	8-10	15.7	15.2	13.5	11.7
21												
22												
23	30° 14' / 122° 59'	CLDY 8/8	8	348	15	3-5	320	8-10	15.9	16.6	13.5	12.0
24	30° 22.3'N 123° 04.9'W	CLDY 8/8	8	350	17	3-5	320	7-9	15.9	16.6	13.9	11.8

REMARKS

## DECK LOG - WEATHER OBSERVATION SHEET

NOAA SHIP BELL M. SHIMADA	DAY SATURDAY	DATE 13 APR 2013	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 BLUB	WET BULB
01	30° 29.6' N 123° 09.7' W	CLDY 8/8	8	350	18	3-5	320	7-9	16.2	16.8	13.8	11.7
02												
03	30° 43.5' N 123° 18.9' W	CLDY 8/8	8	350	14	3-5	320	7-9	16.4	16.2	13.4	11.7
04												
05												
06												
07												
08	31° 00.7' N 123° 00.2' W	CLDY 7/8	10	340	18	3-5	320	7-9	15.0	16.3	15.0	12.5
09	31° 04.4' N 122° 40' W	PL	10	350	17	3-5	310	6-8	17.0	15.3	15.0	13.0
10												
11												
12												
13												
14	31° 10.7' N 122° 30.7' W	CLDY 8/8	10	340	20	2-4 <del>4-5</del>	310	4-6	15.5	14.3	15.0	13.8
15	31° 14.5' N 122° 20.8' W	PT CLDY 7/8	10	340	22	2-4	310	4-6	15.1	15.7	14.8	13.7
16	31° 19.5' N 122° 10.2' W	CLDY 8/8	6-8	330	22	2-4	310	4-6	14.8	15.3	13.1	12.7
17												
18												
19												
20	31° 27.6' N 121° 55.6' W	CLDY 8/8	4	340	25	2-4	320	6-8	14.7	15.0	13.5	12.5
21	31° 32.7' N 121° 44.2' W	CLDY 6/8	8	345	25	2-4	320	6-8	14.7	15.3	13.0	11.5
22	31° 37.6' N 121° 34.1' W	CLDY 6/8	8	326	25	2-4	300	6-8	14.2	15.7	13.0	11.0
23	31° 42.6' N 121° 24.0' W	CLDY 5/8	8	325	25	2-4	320	6-8	14.2	15.4	13.0	11.5
24												

REMARKS

DECK LOG - WEATHER OBSERVATION SHEET

NOAA SHIP BELL M. SHIMADA	DAY SUNDAY	DATE 14 APR 2013	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 BLUB	WET BULB
01												
02	31° 46.9'N 121° 17.3'W	PC 3/8	10	320	22	2-4	330	5-8	13.5	14.7	12.2	11.4
03	31° 51.0'N 121° 07.6'W	MC 5/8	10	320	24	2-4	330	5-8	13.6	13.7	12.0	11.2
04	31-55.5~ 120-57.9W	CLOY 6/8	10	320	25	2-4	330	6-8	13.4	13.4	12.6	11.2
05	31-59.7~ 120-48.7W	CLOY 6/8	10	310	20	2-4	330	4-6	13.5	13.2	12.5	11.1
06	32-04.6~ 120-34.9W	CLOY 4/8	8	310	18	2-4	310	6-8	13.5	12.9	12.5	10.8
07												
08												
09	32 11N/120 37W	CLOY 8/8	8	320	18	2-4	310	6-8	13.6	12.3	13.0	11.0
10	32 18.3N/120 27.5W	CLOY 8/8	8	310	22	2-4	320	6-8	13.8	13.6	13.9	11.5
11.	32 17.3N 120 19.0W	CLOY 4/8	8	320	20	2-4	320	6-8	13.8	13.8	13.5	11.5
12												
13												
14												
15												
16												
17	32° 31.1'N 119° 52.8'W	CLOY 8/8	6-8	320	21	2-4	330	5-7	13.1	11.8	11.7	<del>10.8</del> 9.8
18	32° 32.8'N 119° 41.0'W	CLOY 8/8	6-8	315	17	2-4	330	4-6	12.9	11.8	11.3	11.0
19	32° 38.5'N 119° 30.0'W	MC 7/8	6	310	16	2-4	330	3-5	12.8	11.8	11.6	11.1
20	<del>32 41.6N 119 23.7W</del>	<del>MC 2/8</del>	<del>10</del>	<del>310</del>								
21												
22	32 41.6N 119 23.7W	MC 2/8	10	310	15	2-4	320	5-7	13.0	12.6	12.0	10.5
23												
24	32° 56.5'N 119° 14.0'W	PC 1/8	10	300	15	2-4	320	4-6	13.9	12.0	11.7	10.3

REMARKS

KLM  
OK



DECK LOG - WEATHER OBSERVATION SHEET

NOAA SHIP

BELL M. SHIMADA

DAY

MONDAY

DATE

15 APR 2013

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 BLUB	WET BULB
01	33° 06.0'N 119° 15.8'W	PC 1/8	10	280	12	1-3	330	4-6	13.7	11.7	11.4	10.3
02	33° 17.8'N 119° 17.6'W	CLR	10	050	05	1-3	330	4-6	13.4	11.5	12.4	11.1
03	33° 28.9'N 119° 20.3'W	PC 1/8	10	VAR	<02	1-3	300	3-5	13.6	11.3	12.2	11.0
04												
05												
06												
07												
08	33 14.9N 119 52.3W	MC 6/8	10	326	20	3-4	330	6-9	12.1	12.9	12.0	11.0
09												
10												
11												
12												
13												
14												
15												
16												
17												
18												
19	33° 57.2'N 119° 34.8'W	MC 5/8	10	300	13	1-2	—	—	12.9	11.5	11.5	9.6
20	34 04N/119 27W	MC 5/8	10	270	33	1-2	300	3-4	12.7	11.1	11.5	10.0
21												
22	34 13/119 25	<del>PC</del> CLR	10+	280	22	3-5	290	6-8	13.1	12	11.5	9.5
23												
24												

REMARKS

DECK LOG - WEATHER OBSERVATION SHEET

NOAA SHIP BELL M. SHIMADA	DAY TUESDAY	DATE 16 APR 2013	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 BLUB	WET BULB
01	34° 15.6'N 119° 28.3'W	CLR	10	280	20	2-3	275	3-5	13.0	11.7	11.1	8.9
02	34° 15.9'N 119° 34.5'W	CLR	10	290	21	2-4	275	4-6	12.7	11.9	10.5	8.6
03	34° 17.4'N 119° 40.2'W	CLR	10	300	18	2-4	275	5-7	12.9	12.2	10.2	8.6
04												
05												
06												
07												
08	3417N/11958W	CLR/HAZE	10	315	23	2-3	-	-	11.5	15.2	9.5	7.5
09												
10												
11												
12												
13												
14												
15	3359/11956	HAZE	8	285	26	3-5	280	5-7	11.0	16.0	12.0	9.0
16	33° 52.9'N 120° 03.0'W	HAZE	8	310	29	3-5	270	4-6	11.2	15.3	12.4	9.8
17												
18												
19	33° 44.7'N 120° 06.3'W	HAZE	8-10	315	30	3-5	300	5-8	12.4	15.6	12.7	10.3
20	33° 34.1'N 120° 02.6'W	HAZE	8-10	315	34	3-5	300	5-8	12.1	15.6	11.5	9.5
21	33° 24.0'N 120° 00.0'W	CLEAR	8-10	320	35	3-5	300	6-9	12.4	16.3	11.5	10.0
22	33° 21.5'N 120° 09.4'W	CLEAR	8-10	333	33	3-5	300	8-10	11.8	17.7	11.2	9.8
23												
24	33° 03.6'N 120° 14.3'W	CLR	10	320	28	3-5	300	8-10	11.8	19.2	11.3 <del>10.3</del>	9.9

REMARKS

KLM

DECK LOG - WEATHER OBSERVATION SHEET

NOAA SHIP BELL M. SHIMADA	DAY WEDNESDAY	DATE 17 APR 2013	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 BLUB	WET BULB
01	32° 59.0'N 120° 17.5'W	CLR	10	320	25	3-5	330	7-10	12.8	19.9	11.4	10.2
02												
03												
04												
05												
06												
07												
08	32 42.6N 120 46.5W	HAZE	10	340	22	3-5	330	7-10	13.0	22.3	12.0	10.5
09	32 44.1N 120 59.2W	HAZE	8-10	350	23	3-5	330	9-12	15.1	22.9	12.2	10.5
10												
11												
12												
13												
14												
15												
16	32° 24.4'N 121° 33.2'W	HAZE	8	340	24	3-5	330	8-12	13.5	22.4	13.3	11.6
17	32° 22.8'N 121° 40.5'W	HAZE	8-10	340	23	3-5	330	8-12	13.4	22.9	14.2	11.9
18	<del>32 16.5N 121 51.2W</del>	<del>HAZE</del>	<del>8-10</del>	<del>340</del>	<del>25</del>	<del>3-5</del>	<del>330</del>	<del>8-12</del>	<del>13.3</del>	<del>22.9</del>	<del>14.0</del>	<del>11.0</del>
19	<del>32 10.2N 122 02.1W</del>	<del>HAZE</del>	<del>8-10</del>	<del>330</del>	<del>27</del>	<del>3-5</del>	<del>330</del>	<del>8-10</del>	<del>13.1</del>	<del>23.6</del>	<del>13.0</del>	<del>11.5</del>
20	32 16.5N 121 51.2W	HAZE	8-10	340	25	3-5	330	8-12	13.3	22.9	14.0	11.0
21	32 10.2N 122 02.1W	HAZE	8-10	330	27	3-5	330	8-10	13.1	23.6	13.6	11.5
22	32 03.9N 122 13.7W	CLEAR	8-10	330	25	3-5	330	8-10	13.3	24.6	12.5	11.0
23												
24												

REMARKS

22  
22

DECK LOG - WEATHER OBSERVATION SHEET

NOAA SHIP BELL M. SHIMADA	DAY THURSDAY	DATE 18 APR 2013	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 BLUB	WET BULB
01												
02	31° 55.9'N 122° 33.7'W	CLR	10	340	25	2-4	340	5-8	13.8	24.7	12.6	10.1
03												
04												
05												
06												
07	31-40.0 N 123-05.4 W	CLEAR	10	350	20	2-4	340	5-8	15.2	24.8	13.0	11.4
08	<del>31-59.2 N</del> 31-59.2 N / 123-21.4 W	CLEAR	10	350	20	2-4	340	5-8	15.1	25.1	13.8	12.0
09	31-53.6 N 123-14.4 W	CLEAR	10	350	18	2-4	340	5-8	17.4	25.4	13.2	12.0
10	31-59.7 N 123-18.6 W	CLEAR	10	360	20	2-4	340	5-8	-	25.7	14.0	12.5
11	32-07.7 N 123-24.4 W	CLEAR	10	345	20	2-4	340	5-8	-	26.0	13.5	12.0
12												
13	32-14.9 N 123-30.7 W	CLEAR	10	350	19	2-4	340	4-7	15.0	26.7	13.3	11.9
14												
15												
16	32° 24.0'N 123° 15.3'W	CLOUDY 5/8	8	350	21	2-4	335	4-6	13.9	25.3	12.6	11.9
17	32° 28.4'N 123° 04.1'W	CLOUDY 8/8	8	350	22	2-4	335	4-6	13.6	25.1	12.8	12.1
18	32° 32.7'N 122° 53.6'W	MC 7/8	8	330	21	2-4	335	4-6	13.7	24.9	12.7	12.1
19												
20												
21	32-39.3 N 122-48.3 W	MC 6/8	10	330	22	2-4	330	4-6	13.7	24.7	13.5	12.0
22	32-44.1 N 122-33.2 W	MC 4/8	10	330	20	2-4	330	4-6	13.7	24.6	13.0	12.0
23	32-47.9 N / 122-23.1 W	MC 4/8	10	330	21	2-4	330	4-6	13.9	24.9	13.2	12.0
24	32° 52.5'N 122° 12.0'W	MC 5/8	10	340	22	2-4	340	4-6	13.8	24.1	12.0	11.3

REMARKS

## DECK LOG - WEATHER OBSERVATION SHEET

NOAA SHIP BELL M. SHIMADA	DAY FRIDAY	DATE 14 APR 2013	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 BLUB	WET BULB
01												
02												
03	32° 57.1'N 122° 04.6'W	MC 6/8	10	320	21	2-4	340	4-6	13.2	23.8	11.2	9.8
04	33° 01.9'N 121° 53.3'W	MC 7/8	10	320	20	2-4	340	4-6	13.2	23.5	11.9	10.7
05	33° 06.7'N 121° 42.9'W	P/C 3/8	10	320	18	2-4	340	4-6	13.1	22.9	11.8	10.8
06	33° 12.1'N 121° 31.3'W	P/C 7/8	10	320	23	2-4	340	3-5	13.4	22.8	12.4	11.4
07	33° 14.9'N 121° 27.2'W	P/C 6/8	10	320	20	1-3	340	3-5	13.3	23.2	12.2	11.1
08												
09	33° 19.1'N 121° 23.7'W	M/C 7/8	10	322	20	1-3	340	3-5	13.4	23.6	13.2	12.0
10	33° 22.2'N 121° 14.2'W	M/C 7/8	8	323	20	1-3	340	3-5	12.9	23.1	13.5	11.8
11	33° 26.0'N 121° 03.4'W	M/C 6/8	8	330	21	1-3	340	3-5	13.3	22.5	14.1	12.0
12												
13												
14	33° 33.7'N 120° 48.1'W	HZY	8	325	15	1-3	340	3-5	12.7	21.4	12.8	11.6
15	33° 34.1'N 120° 47.7'W	HZY	8	320	20	1-3	340	3-5	12.6	20.5	13.5	12.2
16	33° 39.4'N 120° 37.0'W	HZY	8	300	17	1-3	320	3-5	12.2	19.7	12.0	11.5
17	33° 43.4'N 120° 27.4'W	HZY	8	300	19	1-3	320	3-5	12.2	18.6	12.2	11.6
18												
19												
20	33° 52.6'N 120° 29.8'W	HZY	8	305	20	1-3	320	3-5	11.6	17.6	12.2	11.2
21	34° 01.3'N 120° 32.9'W	1/8 PC	8	320	22	1-3	320	3-5	11.1	17.8	12.0	10.9
22	34° 10.4'N 120° 35.4'W	PC 1/8	8	310	22	1-3	320	3-5	11.6	17.8	12.0	11.0
23	34° 19.5'N 120° 31.5'W	PC 1/8	8	300	20	1-3	320	3-5	11.3	17.4	11.5	10.2
24	34° 27.0'N 120° 30.0'W	PC 1/8	10	300	21	1-3	290	3-5	11.1	17.4	11.2	10.4

REMARKS

## DECK LOG - WEATHER OBSERVATION SHEET

NOAA SHIP BELL M. SHIMADA	DAY SATURDAY	DATE 20 APR 2013	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 BLUB	WET BULB
01												
02												
03	34° 22' N 120° 41' W	CLR	10	378	23	2-3	310	4-6	16.6	1016.2	11.8	10.3
04												
05												
06												
07												
08	34 10.2 N 121 06.6 W	CLR	10	340	25	2-3	320	4-6	11.8	16.4	12.0	10.1
09												
10												
11	34 08.6 N 121 14.4 W	1/8 PC	10	340	20	3-4	320	7-10	11.9	16.1	12.2	11.2
12												
13	33 57.2 N 121 36.1 W	HAZE	10	330	24	3-4	320	7-10	12.6	16.7	13.0	11.8
14												
15												
16												
17	33° 44.8' N 121° 54.1' W	HAZE	8	330	29	3-6	335	7-10	13.1	16.2	13.7	12.0
18	33° 34.9' N 121° 58.6' W	HAZE	6-8	330	31	3-6	335	7-10	13.1	16.2	14.1	12.2
19	33° 27.9' N 122° 00.6' W	HAZE	8	340	29	3-6	335	7-10	12.9	16.2	13.8	12.1
20	33 27.2 N 122 06.9 W	CLEAR	8	340	25	3-6	335	7-10	14.2	16.9	12.0	11.0
21	33 29.4 N 122 17.4 W	2/8 PC	8	350	30	3-6	335	8-11	—	17.4	11.8	10.8
22	33 31.9 N 122 27.1 W	2/8 PC	8	355	30	3-6	335	8-12	—	17.7	12.0	11.0
23												
24												

REMARKS

## DECK LOG - WEATHER OBSERVATION SHEET

NOAA SHIP BELL M. SHIMADA	DAY SUNDAY	DATE 21 APR 2013	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 BLUB	WET BULB
01												
02	33° 18.5' N 122° 40.9' W	PC 3/8	8-10	350	<del>18.0</del> 22	2-3	340	5-8	13.5	18.0	12.5	11.1
03	33° 13.4' N 122° 48.5' W	PC 3/8	10	345	23	2-3	330	6-9	13.3	17.5	12.7	11.0
04												
05	33-15.6 N 123-09.9 W	P/C 3/8	10	345	21	2-3	330	5-8	13.0	17.8	12.4	10.7
06	33-09.1 N 123-13.1 W	P/C 3/8	10	330	18	1-3	345	4-7	13.9	18.0	12.3	10.8
07	33-09.2 N 123-13.4 W	P/C 5/8	10	325	20	1-3	345	4-7	14.0	18.1	12.6	11.1
08												
09	33 02 N 123 21.9 W	P/C 4/8	10	340	23	1-3	345	4-8	14.3	18.9	12.5	11.5
10	32 56.3 N 123 27.8 W	P/C 4/8	10	350	15	1-3	340	4-8	14.2	18.9	13.0	12.0
11	32 57.1 N 123 38.1 W	MC 7/8	10	340	25	1-3	340	4-8	14.3	19.5	13.0	11.5
12	32 55.5 N 123 47.5 W	MC 7/8	10	350	20	1-3	340	4-7	14.1	19.6	13.3	11.6
13	32 50.5 N 123 52.8 W	MC 7/8	10	345	20	1-3	340	5-8	14.1	19.3	13.3	11.5
14	32 51.0 N 123 53.3 W	MC 7/8	10	340	16	1-3	340	5-8	14.1	19.1	13.4	11.5
15												
16	32° 57.5' N 123° 53.1' W	CLDY 8/8	10	345	16	1-3	350	5-8	14.1	17.8	12.4	11.3
17	33° 06.2' N 123° 49.7' W	CLDY 8/8	8	320	19	1-3	350	4-7	14.3	17.5	12.2	11.3
18	33° 15.0' N 123° 46.5' W	CLDY 8/8	8-10	340	16	2-4	350	5-8	14.7	17.1	12.5	11.4
19	33° 26.5' N 123° 42.9' W	CLDY 8/8	8	345	18	1-3	350	5-8	13.8	16.7	12.3	11.5
20	33 33.7 N 123 41.7 W	CLDY 8/8	8	345	15	1-3	350	5-8	13.8	17.0	12.5	11.5
21	33 41.5 N 123 38.4 W	CLDY 7/8	8	340	16	1-3	350	5-8	13.3	17.6	12.5	11.5
22												
23	33 45.1 N 123 38.4 W	PC 2/8	8	335	14	1-3	350	5-8	13.3	17.9	12.1	11.5
24	33° 49.9' N 123° 26.9' W	PC 2/8	8-10	330	16	1-3	340	5-8	13.0	17.9	12.1	11.4

REMARKS

DECK LOG - WEATHER OBSERVATION SHEET

NOAA SHIP BELL M. SHIMADA	DAY MONDAY	DATE 22 APR 2013	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 BLUB	WET BULB
01	33° 54.7'N 123° 15.5'W	PC 2/8	10	330	16	1-3	340	5-8	13.4	17.4	12.2	11.6
02	33° 58.8'N 123° 06.2'W	PC 1/8	10	325	13	1-3	340	4-7	12.7	16.7	12.1	11.6
03												
04												
05	34-05.0'N 122-55.0'W	P/C 1/8	10	325	12	1-5	340	3-6	12.4	15.2	12.9	11.8
06												
07	34-15.7'N 122-32.3'W	CLEAR	10	325	15	1-3	340	2-5	12.3	15.7	13.5	12.1
08	34 20.8'N 122 20.6'W	CLEAR	10	310	10	1-3	340	2-5	12.3	16.2	11.8	09.0
09												
10												
11.	34 24.5'N 122 14.9'W	CLEAR	10	350	08	1-3	340	2-5	-	16.3	14.5	12.8
12	34-30.2'N 122-00.8'W	CLEAR	10	180	3	1-2	340	2-4	-	16.2	14.5	12.6
13												
14	34 37 / 121 45	Haze	8-10	184	8	1-2	340	3-5	-	15.8	13.5	12.0
15	34° 41.9'N 121° 32.0'W	<del>CLOUD 8/8</del>	6									
16												
17												
18	34° 41.9'N 121° 32.0'W	CLOUD 8/8	6-8	200	04	1-2	340	3-5	12.2	13.6	12.2	11.3
19	34° 47.8'N 121° 23.3'W	CLOUD 8/8	4-6	260	04	1-2	340	3-5	11.6	13.3	11.8	11.2
20	34° 52.3'N 121° 15.4'W	CLOUD 8/8	4-6	215	04	1-2	340	3-5	12.3	13.3	12.2	11.0
21												
22	34 53.3'N 121 17.5'W	CLOUD 8/8	4-6	200	04	1-2	340	3-4	11.9	14.1	11.5	10.5
23												
24												

REMARKS

KLM



DECK LOG - WEATHER OBSERVATION SHEET

NOAA SHIP BELL M. SHIMADA	DAY TUESDAY	DATE 23 APR 2013	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 BLUB	WET BULB
01	34° 57.1'N 121° 04.0'W	CLOY 8/8	~6	135	05	0-2	240	2-4	12.0	13.9	11.0	10.3
02	35° 00.4'N 120° 56.4'W	CLOY 8/8	4-6	130	05	<1	310	2-3	11.3	13.3	10.6	10.1
03	35-04.4N 120-51.7W	CLOY, MDT	3-4	180	6	<1	310	1-3	11.4	13.3	11.1	10.5
04												
05												
06												
07												
08	35° 07.7'N 120° 48.4'W	CLOY 8/8	3-4	VAR	LT	<1	310	1-3	10.8	15.1	11.2	10.8
09												
10												
11	35° 06.9'N 120° 46.6'W	CLOY 8/8	3-4	VAR	LT	<1	310	1-3	10.9	16.0	12.8	11.2
12												
13												
14	35 10 / 120 58	5 <sup>ET</sup> CLOUDS	5-7	VAR	LT	1-2	310	2-4	11.6	15.0	13.0	12
15												
16	35° 15.1'N 121° 21.9'W	MC 7/8	6-8	200	05	1-2	310	2-4	11.4	14.2	12.4	11.5
17	35° 16.8'N 121° 35.0'W	MC 7/8	6-8	180	08	1-2	310	2-4	12.5	13.9	12.3	11.4
18												
19	35° 19.5'N 122° 01.7'W	CLOY 8/8	8	170	02	1-2	310	2-4	12.9	13.8	11.7	10.9
20	35° 20.6'N 122° 15.4'W	CLOY 8/8	8	345	04	1-2	310	2-4	12.9	13.9	12.0	10.8
21												
22												
23	35 27.7N 122 22.0W	CLOY 8/8	6	VAR	LT	1-2	310	2-4	12.7	14.1	12.5	11.0
24												

REMARKS

## DECK LOG - WEATHER OBSERVATION SHEET

NOAA SHIP BELL M. SHIMADA	DAY WEDNESDAY	DATE 24 APR 2013	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 BLUB	WET BULB
01												
02												
03	35° 48.4'N 122° 06.6'W	CLDY 8/8	10	280	04	1-2	300	2-4	12.5	12.4	9.4	9.6
04	35° 56.6'N 121° 58.1'W	CLDY 8/8	10	210	5	1	300	1-3	11.6	12.7	10.2	9.8
05	36° 04.2'N 121° 50.4'W	CLDY 8/8	7	140	6	1	300	1-3	10.7	12.9	10.1	9.4
06												
07	36° 10.0'N 121° 44.8'W	CLDY 8/8	7	140	12	1-2	280	1-3	10.8	13.2	10.8	9.9
08	36° 06.7'N 121° 52.1'W	CLDY 8/8	8	135	10	1-2	280	1-3	10.5	13.7	11.5	10.2
09	36° 01.2'N 122° 03.7'W	CLDY 8/8	8	130	12	1-2	280	1-3	11.8	13.7	12.0	10.8
10	35° 56.2'N 122° 14.7'W	CLDY 8/8	8	135	14	1-2	280	1-3	12.1	14.0	12.2	11.0
11												
12												
13												
14	35° 46.6'N 122° 34.5'W	CLDY 8/8	8	140	10	1-2	280	1-3	12.3	14.0	12.2	11.3
15	35° 48.2'N 122° 14.4'W	CLDY 8/8	6-8	130	8	1-2	280	2-4	12.0	14.0	13.5	12.0
16	35° 37.1'N 122° 55.1'W	CLDY 8/8	8-10	130	12	1-2	290	2-4	12.5	13.0	12.1	11.7
17												
18												
19	35° 31.7'N 123° 05.5'W	PC 2/8	10	130	08	1-2	290	2-4	12.8	13.2	12.3	11.4
20	35° 27.1'N 123° 16.6'W	MC 7/8	10	140	10	1-2	290	2-4	12.7	13.5	14.0	12.5
21												
22												
23	35° 24.0'N 123° 28.5'W	MC 6/8	10	145	05	1-2	290	2-4	12.2	15.2	13.5	12.0
24												

REMARKS

## DECK LOG - WEATHER OBSERVATION SHEET

NOAA SHIP BELL M. SHIMADA	DAY THURSDAY	DATE 25 APR 2013	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 BLUB	WET BULB
01	35° 24.4'N 123° 34.7'W	CLOY 8/8	10	120	07	1-2	310	2-4	12.6	15.6	13.1	12.2
02												
03												
04												
05	35-25.1N 123-30.2W	CLOY 8/8	10	160	8	1-2	310	1-3	12.3	15.6	12.9	12.1
06	35-22.7N 123-26.0W	PT CLOY 3/8	10	170	7	1-2	310	2-4	12.4	16.1	13.0	11.4
07	35-19.2N 123-33.8W	PT CLOY 3/8	10	140	8	1-2	310	2-4	12.4	16.7	11.9	10.1
08	35 16.1N 123 40.2W	PC 4/8	10	120	10	1-2	310	2-4	12.4	17.2	13.5	12.5
09	35 13.5N 123 45.5W	PC 6/8	10	115	10	1-2	310	2-4	12.4	18.2	13.8	12.6
10												
11												
12												
13												
14												
15	34-54.8'N 124-16.2'W	PC 7/8	10	110	7	1-2	310	2-4	12.9	20.1	15.6	13.8
16	34° 55.7'N 124° 23.2'W	MC 7/8	8-10	110	09	1-2	310	2-4	13.0	19.7	13.6	13.0
17												
18												
19	34° 58.6'N 124° 17.7'W	CLOY 8/8	8-10	070	04	1-2	320	2-4	12.3	20.0	13.8	12.9
20	35 01.4N 124 10.4W	CLOY 8/8	8-10	060	04	1-2	320	2-4	13.0	20.1	13.5	12.5
21												
22												
23	35 10.7N 124 09.5W	CLEAR	9-10	060	04	1-2	320	2-4	12.4	21.8	13.0	12.5
24												

REMARKS

DECK LOG - WEATHER OBSERVATION SHEET

NOAA SHIP BELL M. SHIMADA	DAY FRIDAY	DATE 26 APR 2013	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 BLUB	WET BULB
01												
02												
03	35° 29.9' N 124° 23.2' W	CLR/HAZE	4-6	210	03	1-2	320	2-4	12.5	22.1	11.9	11.8
04												
05												
06	35-31.7 N 124-25.0 W	FOG	<1	VAR	LT	<1	310	1-4	12.7	23.4	11.6	11.3
07	35-45.3 N 124-15.8 W	FOG	<1	320	7	<1	310	1-3	12.8	23.8	12.2	11.8
08												
09												
10	35 52.2 N 124 01.9 W	FOG	6	325	07	<1	310	1-3	13.2	25.1	15.0	13.5
11	35 57.3 N 123 50.7 W	FOG	<1	325	07	<1	310	1-3	13.1	25.4	15.5	13.5
12												
13												
14	36-06.7 N 123-21.3 W	PT CLOUDY 6/8	10	320	4	1-2	310	1-3	13.5	25.1	13.2	11.4
15	36-04.4 N 123-23.9 W	PT CLOUDY 6/8	10	310	18	2-3	310	2-5	13.4	24.8	14.5	12.2
16	36° 14.3' N 123° 14.1' W	MC 7/8	10	310	20	2-3	310	3-5	13.2	24.5	11.9	11.1
17	36° 19.6' N 123° 03.5' W	CLOUDY 8/8	10	310	20	1-3	310	3-5	12.9	24.2	11.2	10.3
18												
19												
20												
21												
22												
23	36 21.6 N 122 46.7 W	CLOUDY 8/8	10	330	17	1-3	310	3-5	12.3	24.9	12.0	10.5
24												

REMARKS

## DECK LOG - WEATHER OBSERVATION SHEET

NOAA SHIP BELL M. SHIMADA	DAY SATURDAY	DATE 27 APR 2013	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 BLUB	WET BULB
01												
02	36° 19.2' N 122° 47.7' W	CLOUDY 8/8	10	340	21	1-3	320	3-5	12.2	24.0	10.8	9.7
03	36° 20.0' N 122° 53.8' W	MC 7/8	10	340	18	1-3	320	4-6	12.6	24.2	10.2	9.3
04	36° 22.4' N 122° 53.8' W	CLOUDY 8/8	10	320	18	1-3	320	3-5	12.3	23.9	10.9	10.0
05	36° 26.0' N 122° 47.8' W	CLOUDY 8/8	10	310	18	1-3	320	3-5	12.1	24.0	11.0	10.0
06	36° 29.3' N 122° 42.0' W	CLOUDY 8/8	10	340	22	2-3	320	3-5	11.1	23.7	11.0	10.1
07	36° 34.3' N 122° 31.0' W	CLOUDY 8/8	6	340	20	2-3	320	2-4	11.5	23.9	11.3	10.2
08	36° 38.6' N 122° 21.9' W	CLOUDY 8/8	8	330	15	2-3	320	2-4	11.0	24.2	11.5	10.2
09	36° 43.3' N 122° 11.9' W	CLOUDY 8/8	8	330	15	2-3	320	2-4	10.7	24.2	11.0	9.8
10												
11												
12	36° 52.4' N 122° 10.0' W	CLOUDY 8/8	8	300	16	2-3	300	2-4	10.5	24.2	10.4	9.5
13	36° 58.8' N 122° 15.9' W	CLOUDY 8/8	8	305	17	2-3	300	2-4	11.1	23.6	10.2	9.8
14												
15	36° 55.0' N 122° 56.0' W	CLOUDY 8/8	8	330	22	2-3	300	3-5	11.0	22.7	10.0	9.6
16	36° 50.0' N 122° 48.1' W	CLOUDY 8/8	8-10	330	23	2-3	300	3-5	11.7	22.5	11.1	10.0
17	36° 45.1' N 122° 58.0' W	CLOUDY 8/8	8-10	325	26	2-3	310	3-5	12.0	22.0	11.0	10.1
18	36° 40.5' N 123° 08.3' W	CLOUDY 8/8	6-8	320	25	2-3	310	3-5	12.2	21.8	11.0	10.1
19	36° 35.1' N 123° 20.1' W	CLOUDY 8/8	6-8	340	25	2-3	310	3-5	12.5	21.6	11.2	10.3
20												
21												
22												
23	36° 27.4' N 123° 44.6' W	PC 4/8	8-10	320	17	2-3	310	5-7	12.3	22.1	11.2	10.2
24												

REMARKS

## DECK LOG - WEATHER OBSERVATION SHEET

NOAA SHIP BELL M. SHIMADA	DAY SUNDAY	DATE 28 APR 2013	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 BLUB	WET BULB
01	3											
02	36° 26.2'N 123° 53.7'W	CLDY 8/8	8-10	320	23	1-3	310	3-6	12.2	21.1	11.8	10.4
03	36° 27.8'N 123° 56.9'W	CLDY 8/8	8-10	320	22	2-4	310	4-6	11.6	21.1	11.0	10.8
04												
05												
06	36° 23.4'N 123° 45.7'W	PT CLDY 3/8	10	320	26	2-4	310	4-6	12.5	19.2	11.2	10.2
07	36° 19.2'N 123° 53.8'W	PT CLDY 3/8	10	330	24	2-4	310	4-6	12.3	20.3	11.2	10.4
08	36° 14.2'N 124° 04.2'W	PT 3/8	10	330	28	2-4	310	4-6	12.5	20.6	11.5	10.0
09												
10												
11	36° 17.7'N 124° 30.7'W	CLDY 8/8	10	345	28	2-4	310	5-8	13.1	21.9	11.3	10.0
12												
13	36° 22.7'N 124° 39.5'W	CLDY 2/8	10	340	20	2-4	350	5-7	11.1	21.7	11.5	10.2
14												
15												
16	36° 32.7'N 124° 16.2'W	CLDY 8/8	8	320	27	3-5	350	6-10	12.4	18.5	11.8	11.5
17	36° 37.7'N 124° 05.1'W	CLDY 8/8	8	320	27	3-5	350	6-10	11.6	17.2	11.8	11.3
18												
19												
20												
21												
22												
23	36° 45.8'N 123° 47.6'W	2/8 PC	10	330	30	3-5	350	7-11	11.5	15.0	12.5	10.5
24												

REMARKS