

DECK LOG – WEATHER OBSERVATION SHEET

NOAA Ship		RONALD H. BROWN		TIME ZONE	+10		DAY OF WEEK	WED		DATE (dd mmm yyyy)					14 JAN 2015		
TIME	POSITION		SKY CON-DITION	PRESENT WEATHER	VISI-BILITY (nm)	WIND		SEA LEVEL Press. (mb)	SEA WAVE Height (ft)	SWELL WAVES		TEMPERATURE (°C)					
	LATITUDE N	LONGITUDE W				Dir. (true)	Speed (kts)			Dir. (true)	Height (ft)	SEA WATER	DRY BULB	WET BULB			
00	/																
01	/																
02	/																
03	/																
04	/																
05	/																
06	/																
07	/																
08	/																
09	/																
10	/																
11	21° 13.6' N	158° 02.2' W	HPC	H2	6-8	VAR	LT	1017.2	1	MIXED	1-3	24.9	25.0	—	MM		
12	21° 16.0'	157° 57.7'	6/8	As, Ac HAZE	08	165	07	1016.9	0-1	VAR	2-3	25.0	25.5	21.8			
13	21° 14.1'	158° 01.1'	6/8	As, Ac HAZE	08	VAR	LT	1015.6	0-1	VAR	1-3	25.1	25.7	22.7	RMK		
14	21° 16.4'	157° 58.4'	7/8	As, As HAZE	08	VAR	LT	1015.0	0-1	VAR	1-3	25.2	26.8	22.9			
15	21° 16.8'	157° 58.1'	7/8	Ac, As HAZE	08	VAR	LT	1014.9	0-1	VAR	1-3	24.3	28.0	23.9			
16	21° 15.3'	157° 58.2'	5/8	Ac, As HAZE	012	VAR	LT	1015.4	0-1	VAR	1-3	24.2	25.5	22.0			
17	21° 13.8'	157° 56.4'	3/8	Ac, Cu HAZE	12	160	10	1015.7	1-3	180	2-4	24.3	25.3	21.8			
18	21° 12.6'	157° 37.2'	7/8	Ac, Cu HAZE	12	170	10	1016.1	1-3	180	2-4	24.3	24.0	21.5			
19	21° 16.6'	157° 32.8'	6/8	Ac, Cu HAZE	12	160	12	1016.8	1-3	180	2-4	24.0	24.0	21.0			
20	21° 23.9'	157° 20.7'	CLEAR		08	130	10	1016.9	2-3	180	2-4	24.8	24.3	21.5			
21	21° 30.5'	157° 09.7'	CLEAR		08	135	11	1017.7	2-3	180	2-4	24.4	24.5	21.5			
22	21° 37.3'	156° 58.6'	CLEAR		08	140	12	1017.9	2-3	180	2-4	24.4	24.2	21.5			
23	21° 44.1'	156° 47.5'	CLEAR		08	145	12	1017.7	2-3	180	3-5	24.4	24.2	21.2			

DECK LOG - WEATHER OBSERVATION SHEET

NOAA Ship RONALD H. BROWN						TIME ZONE +10	DAY OF WEEK THURSDAY	DATE (dd mmm yyyy) 15 JAN 2015						
TIME	POSITION		SKY CON-DITION	PRESENT WEATHER	VISI-BILITY (nm)	WIND		SEA LEVEL Press. (mb)	SEA WAVE Height (ft)	SWELL WAVES		TEMPERATURE (°C)		
	LATITUDE N	LONGITUDE W				Dir. (true)	Speed (kts)			Dir. (true)	Height (ft)	SEA WATER	DRY BULB	WET BULB
00	21° 50.7'	156° 36.7'	1/8	CU	08	140	12	1017.2	2.4	310	4-6	24.6	23.9	20.9
01	21° 57.6'	156° 25.3'	1/8	CU	08	145	12	1017.1	3.4	300	4-6	24.5	23.7	21.0
02	22° 04.7'	156° 14.0'	1/8	CU	08	155	12	1016.9	3.4	300	4-6	24.3	23.7	21.0
03	22° 11.3'	156° 03.0'	2/8	CU	08	155	14	1016	3-5	300	4-6	24.1	23.5	21.2
04	22° 18.0'	155° 51.9'	1/8	CU	08	170	15	1016.8	3-5	300	4-6	24.0	23.8	21.5
05	22° 24.7'	155° 40.9'	-	CLEAR	08	170	14	1016.9	3-5	300	4-6	24.0	23.9	21.6
06	22° 31.4'	155° 29.7'	-	CLEAR	08	175	16	1017.3	3-5	300	4-6	23.9	23.8	21.6
07	22° 38.2'	155° 18.6'	2/8	AS, CS	12	170	14	1018.0	2-4	300	5-7	23.6	23.5	21.8
08	22 45.0	155 07.0	1/8	CU	12	170	14	1018.6	2-4	300	4-6	23.5	24.0	22.0
09	22 52.1	154 55.5	2/8	CU	12	175	16	1019.3	2-3	300	5-7	23.5	24.0	22.0
10	22 58.3	154 45.3	2/8	CU	12	160	20	1019.4	2-3	300	5-7	24.3	24.0	22.0
11	23 05.0	154 34.0	4/8	CS CU	12	190	20	1018.5	2-3	300	5-7	24.5	24.5	22.0
12	23° 12.4'	154° 22.0'	6/8	CU, AC SC	12	170	18	1017.7	2-4	300	6-8	23.7	25.3	22.0
13	23° 19.0'	154° 10.9'	6/8	CU, SC AC, CI	12	185	16	1017.2	2-3	310	6-8	24.2	25.0	22.1
14	23° 25.6'	154° 00.0'	6/8	CU, AS AC	12	190	14	1017.0	2-3	310	7-9	24.2	25.7	22.3
15	23° 32.3'	153° 48.9'	7/8	CU, AC AC, CI	12	180	14	1017.1	2-3	310	7-9	23.8	25.6	22.2
16	23° 38.9'	153° 37.5'	7/4	CU, AS AC, CI	12	190	14	1017.4	2-3	310	7-9	23.8	24.5	21.0
17	23° 46.0'	153° 26.0'	6/8	CU, AC AS, CI	10	195	13	1017.9	2-3	310	7-9	23.4	24.3	21.2
18	23° 52.6'	153° 15.0'	6/8	CU, AC AS, CI	10	180	11	1017.9	2-3	310	7-9	23.5	24.0	21.5
19	23° 58.0'	153° 05.0'	3/8	CU, AC AS, CI	12	175	11	1018.4	2-3	310	7-9	23.3	23.5	21.0
20	24° 04.7'	152° 54.6'	CLEAR		08	175	12	1019.3	2-4	310	6-8	23.3	23.2	21.3
21	24° 11.4'	152° 43.4'	CLEAR		08	175	14	1019.1	2-4	310	6-8	23.2	23.2	21.5
22	24° 18.8'	152° 32.0'	CLEAR		08	175	12	1019.4	2-4	310	6-8	23.5	23.2	21.3
23	24° 25.0'	152° 20.6'	CLEAR		08	190	14	1019.5	2-4	310	6-8	23.3	23.2	21.3

DECK LOG - WEATHER OBSERVATION SHEET

NOAA Ship RONALD H. BROWN										TIME ZONE +10		DAY OF WEEK FRIDAY		DATE (dd mmm yyyy) 16 JAN 2015		
TIME	POSITION		SKY CON- DITION	PRESENT WEATHER	VISI- BILITY (nm)	WIND		SEA LEVEL Press. (mb)	SEA WAVE Height (ft)	SWELL WAVES		TEMPERATURE (°C)				
	LATITUDE N	LONGITUDE W				Dir. (true)	Speed (kts)			Dir. (true)	Height (ft)	SEA WATER	DRY BULB	WET BULB		
00	24°31.6'	152°09.8'	1/8	Cu	08	175	12	1019.2	2-3	310	7.9	23.2	23.1	21.2		
01	24°38.2'	151°58.4'	1/8	Cu	08	185	14	1019.0	2-4	310	7.9	23.2	23.0	21.0		
02	24°44.8'	151°47.7'	1/8	CLEAR	08	180	17	1018.2	3-5	310	7.9	23.2	22.8	20.7		
03	24°51.7'	151°35.9'	0/8	CLEAR	08	190	16	1018.3	3-4	310	7.9	23.3	22.8	20.6		
04	24°58.7'	151°24.5'	1/8	Cu	08	195	12	1018.3	2-4	310	7.9	22.9	22.6	20.4		
05	25°05.0'	151°13.4'	0/8	CLEAR	08	185	14	1018.4	2-4	310	6.8	22.9	22.9	20.9		
06	25°12.1'	151°01.8'	2/8	AS	08	180	16	1018.6	3-4	310	6.8	22.4	22.1	20.3		
07	25°18.7'	150°50.6'	2/8	AS, Cu	12	260	14	1018.6	2-4	310	6.8	22.7	22.4	20.9		
08	25 25.4	150 38.9	1/8	Cu, ST	12	200	12	1018.8	2-4	310	6.8	22.6	23.0	21.0		
09	25 32.4	150 27.5	0/8	CLEAR	12	180	12	1019.7	3-4	310	6.8	22.5	23.0	21.0		
10	25 38.7	150 16.6	1/8	AS	12	200	12	1020.2	3-4	310	6.8	22.7	23.0	21.0		
11	25 45.3	150 05.4	1/8	AS	12	200	14	1020.2	3-4	310	6.8	22.9	24.5	21.5		
12	25°52.1'	149°54.1'	2/8	Cu, Ac	12	225	13	1019.4	3-4	300	6.8	23.0	25.4	22.3		
13	25°58.9'	149°42.6'	2/8	Cu, Ac AS	12	220	12	1018.1	2-4	290	6.8	22.9	25.8	22.5		
14	26°05.7'	149°31.0'	1/8	Cu, Ac	12	225	12	1017.4	2-4	290	6.8	22.9	25.1	22.3		
15	26°12.5'	149°19.3'	5/8	Cu, Sc AC	12	230	12	1016.9	2-4	290	6.8	22.8	25.4	22.4		
16	26°19.8'	149°06.8'	3/8	Cu Sc AC	12	221	12	1016.7	2.4	290	6.8	22.5	23.0	21.5		
17	26°25.8'	148°56.8'	2/8	Cu, Sc AS	12	190	11	1016	2-4	290	6.8	22.0	22.8	21.4		
18	26°31.5'	148°51.4'	2/8	Cu, Sc AS	12	210	12	1017.2	2-4	290	6.8	22.0	22.0	21.0		
19	26°38.5'	148°35.0'	2/8	Cu, Sc AS	12	180	15	1017.9	2-4	290	6.8	21.8	22.1	21.5		
20	26°45.6'	148°23.0'		CLEAR	08	190	12	1018.3	2-4	290	6.8	22.5	22.5	21.0		
21	26°53.0'	148°10.2'	1/8	AC	08	230	13	1019.0	2-4	290	6.8	22.1	22.2	21.2		
22	27°00.1'	147°58.0'	1/8	AC	08	225	13	1019.4	2-4	290	6.8	21.9	22.2	21.2		
23	27°07.2'	147°45.9'	3/8	Cu, AC	08	225	13	1019.4	2-4	290	6.8	21.9	22.2	21.2		

DECK LOG - WEATHER OBSERVATION SHEET

NOAA Ship **RONALD H. BROWN**

TIME ZONE
+10

DAY OF WEEK
SATURDAY

DATE (dd mmm yyyy)
17 JAN 2015

TIME	POSITION		SKY CON-DITION	PRESENT WEATHER	VISI-BILITY (nm)	WIND		SEA LEVEL Press. (mb)	SEA WAVE Height (ft)	SWELL WAVES		TEMPERATURE (°C)		
	LATITUDE N	LONGITUDE W				Dir. (true)	Speed (kts)			Dir. (true)	Height (ft)	SEA WATER	DRY BULB	WET BULB
00	27° 14.3'	147° 33.8'	4/8	Cu, Ac As	08	200	15	1018.9	3-4	290	6-8	21.8	22.0	21.0
01	27° 21.4'	147° 21.9'	2/8	Cu, Ac	08	230	13	1017.9	2-4	290	6-8	22.4	22.0	20.8
02	27° 28.4'	147° 09.5'	6/8	Ac, Ac	08	225	15	1018.2	3-4	290	6-8	22.3	22.0	20.7
03	27° 35.5'	146° 57.4'	4/8	Ac, As	08	220	14	1018.3	3-4	290	6-8	21.8	21.9	20.6
04	27° 42.8'	146° 44.9'	4/8	Ac, As	08	229	12	1018.3	2-4	290	6-8	21.7	21.9	20.6
05	27° 49.3'	146° 33.0'	4/8	Ac, As	08	225	12	1018.3	2-4	290	6-8	21.7	22.1	20.3
06	27° 56.0'	146° 21.9'	6/8	Cu, Sc, Ac, As	10	210	15	1018.6	3-4	290	6-8	21.8	21.8	20.8
07	28° 02.7'	146° 10.4'	7/8	Cu, Sc, Ac, As	12	205	13	1019.4	2-4	290	6-8	21.4	21.6	20.4
08	28° 09.5'	145° 58.6'	8/8	Cu, St, Cs	10	195	12	1020.0	3-4	290	6-8	20.9	21.0	20.5
09	28° 17.0'	145° 45.7'	8/8	Cu, St, Cs, Sc	10	000	06	1020.5	3-4	290	6-8	20.7	20.0	19.5
10	28° 22.9'	145° 35.2'	7/8	Cu, St, Cs, Sc	10	340	5	1020.6	3-4	290	7-9	20.7	20.2	19.8
11	28° 30.3'	145° 24.5'	7/8	Cu, St, Cs, Sc	10	340	5	1020.4	3-4	290	7-9	20.8	20.2	19.8
12	28° 35.2'	145° 14.2'	6/8	Cu, Sc, Ac, Ci	12	VAR	LT.	1019.3	0-1	290	7-9	20.9	21.1	20.1
13	28° 41.5'	145° 03.4'	6/8	Cu, Ac, As, Cs	12	VAR	LT.	1018.6	0-1	280	7-9	20.9	21.3	20.1
14	28° 47.9'	144° 52.3'	7/8	St, Ac, As, Ci	10	VAR	LT.	1018.3	0-1	280	7-9	21.0	21.2	20.1
15	28° 54.2'	144° 41.2'	8/8	Cu, Sc, St, Ac, As, Ci	10	VAR	LT.	1018.6	0-1	280	7-9	20.9	21.3	20.1
16	29° 01.3'	144° 28.6'	8/8	Cu, Sc, St, Ac, As, Ci	12	VAR	LT.	1019.4	0-1	280	7-9	20.6	20.5	20.0
17	29° 07.3'	144° 19.2'	8/8	Cu, Sc, St, Ac, As, Ci	08	VAR	LT.	1020.0	0-1	280	7-9	19.8	20.4	20.0
18	29° 13.8'	144° 06.9'	8/8	Cu, Sc, St, Ac, As, Ci	10	VAR	LT.	1020.5	0-1	280	7-9	21.0	20.5	20.0
19	29° 19.9'	143° 56.0'	8/8	Cu, Sc, Ac, As	10	020	12	1020.5	0-1	280	7-9	21.0	20.0	19.0
20	29° 24.8'	143° 48.7'	8/8	Cu, Sc	08	035	13	1021.3	2-3	280	7-9	21.2	19.5	19.0
21	29° 30.5'	143° 39.3'	8/8	Cu, Sc	08	025	09	1021.5	1-2	280	7-9	21.0	19.2	18.7
22	29° 37.0'	143° 27.9'	8/8	Cu, Sc	08	055	07	1021.7	1-2	280	7-9	19.6	19.0	18.2
23	29° 43.5'	143° 16.4'	7/8	Cu, Sc	08	050	07	1021.5	1-2	280	7-9	20.0	19.5	18.7

DECK LOG - WEATHER OBSERVATION SHEET

NOAA Ship RONALD H. BROWN						TIME ZONE +10	DAY OF WEEK SUNDAY	DATE (dd mmm yyyy) 18 JAN 2015						
TIME	POSITION		SKY CON-DITION	PRESENT WEATHER	VISI-BILITY (nm)	WIND		SEA LEVEL Press. (mb)	SEA WAVE Height (ft)	SWELL WAVES		TEMPERATURE (°C)		
	LATITUDE N	LONGITUDE W				Dir. (true)	Speed (kts)			Dir. (true)	Height (ft)	SEA WATER	DRY BULB	WET BULB
00	29°49.8'	143°05.8'	8/8	As St Free.	06	160	05	1021.4	1.2	280	7-9	20.1	19.6	19.0
01	29°54.9'	142°56.9'	8/8	As	07	180	05	1021.6	1-2	280	7-9	20.0	19.1	18.6
02	30°01.5'	142°45.2'	8/8	Ac, As	08	150	05	1021.4	1-2	280	7-9	20.4	19.3	18.4
03	30°08.2'	142°33.6'	8/8	Ac, As	08	160	06	1021.2	1-2	280	7-9	20.4	19.2	18.5
04	30°14.7'	142°21.5'	8/8	Ac, As	08	145	07	1021.3	1-2	280	7-9	20.4	19.4	18.6
05	30°21.2'	142°10.1'	8/8	Ac, As	08	120	07	1021.6	1-2	280	7-9	20.2	18.9	18.6
06	30°27.9'	141°58.3'	8/8	Ac, As	10	110	12	1022.4	2-3	280	7-9	19.5	18.9	18.3
07	30°34.0'	141°46.5'	8/8	Cu, Sc, Ac, As	12	110	15	1022.1	2-4	290	7-9	19.5	19.0	18.5
08	30 41.0	141 34.9	8/8	Cu, Hs, Ac, As	10	130	15	1022.6	2-4	290	8-10	19.2	19.0	18.5
09	30 47.8	141 23.1	8/8	Cu, Hs, Ac, As	10	110	12	1023.0	2-4	290	8-10	19.5	19.0	18.5
10	30 53.7	141 12.4	8/8	Cu, Ac, As	10	120	10	1023.7	2-4	290	8-10	19.1	19.0	18.5
11	31 00.6	141 00.1	8/8	Cu, Ac, As, Cs	10	155	11	1022.8	—	290	9-11	19.1	20.0	19.5
12	31°06.8'	140°49.3'	6/8	Cu, Sc, As, Cs	12	170	13	1022.6	2-4	290	9-12	19.3	20.7	19.7
13	31°13.5'	140°37.1'	5/8	Cu, Sc, As, Ci	12	170	12	1022.3	2-3	290	9-12	19.3	20.9	19.9
14	31°21.5'	140°26.8'	4/8	Cu, Sc, Ac, As, Ci	12	185	10	1022.4	2-3	290	9-12	19.1	21.4	20.3
15	31°33.8'	140°26.1'	6/8	Ac, As, Ci, Cs	12	175	07	1023.2	1-3	290	9-12	18.0	20.7	19.7
16	31°45.9'	140°25.3'	6/8	Ac, As, Ci, Cu	12	165	08	1023.2	1-3	290	9-12	18.0	19.0	19.0
17	31°57.8'	140°24.0'	8/8	Ac, As, Ci, Cu	12	160	09	1023.7	1-3	290	9-12	18.0	18.5	18.5
18	32°10.8'	140°23.7'	6/8	Ac, As, Ci, Cu	10	130	07	1024.0	1-3	290	9-12	17.0	18.0	18.0
19	32°24.5'	140°21.8'	6/8	Ac, As, Ci, Cu	10	134	11	1024.1	1-3	290	9-12	17.8	18.1	18.0
20	32°35.4'	140°18.6'	8/8	Ac, As	08	140	12	1024.5	2-4	290	10-12	17.6	18.1	18.1
21	32°47.5'	140°15.1'	8/8	Ac, As	08	145	13	1024.6	2-4	290	10-12	18.4	18.5	18.3
22	32°59.4'	140°11.7'	8/8	Ac, As	08	160	13	1025.1	2-4	290	10-12	18.2	18.5	18.3
23	33°11.6'	140°08.2'	8/8	Cu, Ac	08	170	11	1025.3	2-4	290	10-12	18.7	18.7	18.3

1340 - 1720 METERS CLOUD HEIGHT.

0430 - RAIN AT SEA. 0600 - END RAIN AT SEA.

DECK LOG - WEATHER OBSERVATION SHEET

NOAA Ship RONALD H. BROWN (R-104)						TIME ZONE +10, +9	DAY OF WEEK MONDAY	DATE (dd mmm yyyy) 19 JAN 2015						
TIME	POSITION		SKY CON- DITION	PRESENT WEATHER	VISI- BILITY (nm)	WIND		SEA LEVEL Press. (mb)	SEA WAVE Height (ft) _{25.3}	SWELL WAVES		TEMPERATURE (°C)		
	LATITUDE N	LONGITUDE W				Dir. (true)	Speed (kts)			Dir. (true)	Height (ft)	SEA WATER	DRY BULB	WET BULB
00	33°23.8'	140°04.7'	8/8	AS	04	155	08	1024.5	1-3	290	9-12	17.8	18.5	18.1
01	33°35.9'	140°01.2'	8/8	AS LRAIN	04	180	15	1023.8	3-5	290	9-12	17.8	18.0	17.5
02	ADVANCED SHIPS CLOCKS ONE (1) HOUR TO CONFORM WITH (+9) TZ.													
03	33°48.2'	139°57.6'	7/8	ST FUR	06	195	13	1024.7	3-4	290	9-12	17.5	17.5	17.0
04	34°00.7'	139°54.7'	4/8	Ac, AS	08	180	07	1024.6	1-3	290	9-12	17.1	17.4	16.8
05	34°12.6'	139°54.9'	4/8	W, AS	08	150	09	1024.3	1-3	290	9-12	17.6	17.8	17.2
06	34°24.9'	139°55.2'	6/8	Ac, AS	08	180	09	1024.8	1-3	290	9-12	17.8	18.0	17.5
07	34°36.1'	139°55.6'	5/8	Ac, AS	10	175	08	1024.8	2-3	290	8-11	17.6	17.8	17.5
08	34°50.2'	139°55.8'	5/8	Sc, W AS	10	175	10	1025.5	2-3	290	9-12	17.1	17.2	17.0
09	34°55.1'	139°57.2'	4/8	W, AS	12	185	10	1025.7	2-3	290	9-12	16.8	17.2	17.0
10	35°05.3'	139°57.0'	4/8	Ac, W	12	170	11	1026.5 1042	2-3	290	7-12	16.7	17.2	17.0
11	35°17.5'	139°56.8'	4/8	Ac, W	12	180	10	1026.6	2-3	290	8-11	16.7	19.0	17.6
12	35°30.1'	139°56.7'	5/8	W, Sc, Ac AS, Ci	12	185	14	1025.8	3-4	290	8-11	16.6	18.9	17.9
13	35°42.6'	139°56.9'	2/8	AS, Ci	12	195	13	1024.8	2-3	280	8-10	16.4	18.4	17.3
14	35°54.9'	139°57.2'	3/8	Ac, AS Ci	12	195	10	1024.2	1-3	280	8-10	16.3	18.8	17.6
15	36°07.1'	139°57.5'	4/8	ST, Ac AS, Ci	12	185	09	1024.1	1-3	280	8-10	15.8	18.7	17.5
16	36°20.9'	139°57.8'	8/8	ST, Ac AS, CU	12	184	10	1024	1-3	280	8-10	16.0	18.0	17.5
17	36°31.6'	139°57.9'	8/8	ST, AS	10	210	12	1024.9	2-3	280	8-10	15.4	16.9	16.5
18	36°42.7'	139°58.3'	8/8	ST, AS	10	185	08	1024.9	2-3	280	8-10	15.3	16.0	16.0
19	36°54.9'	139°58.5'	8/8	ST, AS	10	185	09	1024.9	2-3	280	8-10	15.6	16.0	16.0
20	37°07.7'	139°58.8'	8/8	ST, AS	08	170	09	1024.4	2-3	280	8-10	14.9	16.2	16.0
21	37°19.7'	139°59.1'	8/8	ST, AS	08	180	09	1024.3	2-3	280	8-10	15.0	16.0	15.9
22	37°32.0'	139°59.3'		FOG	<2	190	08	1024.3	2-3	280	8-10	14.8	15.2	15.2
23	37°43.3'	139°59.6'		FOG	<2	180	08	1023.9	1-3	280	8-10	14.8	15.0	15.0

~~0000~~ - R/W ALL AROUND SHIP, 4NM TO 12NM. NOT AT SHIP. ~~0025~~ - RAIN SHOWER. 1450 - CLOUD HEIGHT 170 METERS.

DECK LOG - WEATHER OBSERVATION SHEET

NOAA Ship RONALD H. BROWN (R-104)							TIME ZONE +9	DAY OF WEEK TUESDAY	DATE (dd mmm yyyy) 20 JAN 2015					
TIME	POSITION		SKY CON-DITION	PRESENT WEATHER	VISI-BILITY (nm)	WIND		SEA LEVEL Press. (mb)	SEA WAVE Height (ft)	SWELL WAVES		TEMPERATURE (°C)		
	LATITUDE N	LONGITUDE W				Dir. (true)	Speed (kts)			Dir. (true)	Height (ft)	SEA WATER	DRY BULB	WET BULB
00	37°54.7'	139°59.9'	8/8	As LT FOG	03	185	09	1023.6	1-3	280	8-10	14.4	14.8	14.7
01	37°59.8'	139°58.5'	8/8	As LT FOG	02	185	10	1022.5	1-3	280	8-10	14.5	14.7	14.5
02	38°00.1'	139°59.2'	8/8	As LT FOG	03	185	09	1022.4	2-3	280	8-10	14.5	14.7	14.6
03	38°00.2'	139°59.9'	8/8	As LT FOG	03	185	10	1022.2	2-3	280	8-10	14.5	14.8	14.7
04	38°00.1'	140°00.0'	8/8	As LT FOG	03	190	12	1021.9	2-3	280	8-10	14.5	15.0	15.0
05	38°00.1'	140°00.0'	8/8	As LT FOG	04	200	13	1021.6	2-4	280	8-10	14.5	15.2	14.9
06	38°00.2'	139°59.9'	8/8	As LT FOG	03	190	12	1021.5	2-4	280	9-12	14.5	15.1	15.1
07	38°00.2'	139°59.8'	8/8	As	10	190	15	1021.6	2-4	290	8-11	14.5	15.2	15.2
08	38°00.2	139°59.7	8/8	As	6	190	15	1021.9	2-3	290	7-9	14.4	15.2	15.0
09	38°00.2	139°59.7	8/8	NS	8	195	17	1021.8	2-3	290	7-9	14.4	15.2	15.0
10	38°00.2	139°59.5	8/8	NS	6	195	17	1021.8	2-3	290	7-9	14.4	15.5	15.5
11	38°00.2	139°59.4	8/8	NS	6	195	19	1021.8	2-3	290	7-9	14.5	15.5	15.5
12	38°00.1	139°59.6'	8/8	As	06	190	18	1020.8	3-5	290	7-9	14.5	16.0	15.8
13	38°00.1'	139°59.9'	8/8	St, As	06	195	20	1019.1	3-5	290	7-9	14.5	16.0	15.7
14	38°00.1'	140°00.0'	7/8	As, Li	07	190	19	1018.0	3-5	290	7-9	14.5	16.2	15.7
15	38°00.1'	140°00.0'	8/8	As, Cs	07	190	19	1017.5	3-5	290	7-9	14.5	16.0	15.6
16	38°00.1'	140°00.0'	8/8	As, Cs	10	175	19	1016.9	3-5	290	7-9	14.5	16.0	15.5
17	38°00.1	140°00.0	8/8	As, Cs	10	174	20	1016.8	3-5	290	7-9	15.4	16.5	15.5
18	38°00.2	140°00.0	8/8	As, Cs	10	186	23	1017.1	3-5	290	7-9	14.5	16.5	15.0
19	38°00.2	139°59.8	8/8	As, Cs	10	183	17.5	1017	3-5	290	7-9	14.5	16.5	15
20	38°00.1	139°59.8	8/8	St, As	08	180	21	1017.0	3-5	290	7-9	14.5	15.9	15.2
21	38°00.2	139°59.7	8/8	St, As	08	180	21	1017.0	3-5	290	7-9	14.6	15.9	15.3
22	38°00.2	139°59.9	8/8	St, As	08	180	20	1016.6	3-5	290	7-9	14.8	15.9	15.2
23	38°00.2	139°59.9	8/8	St, As	08	190	22	1016.8	3-5	290	7-9	14.9	15.9	15.2

~~0000~~ - SOME STARS OVERHEAD. 0

DECK LOG - WEATHER OBSERVATION SHEET

NOAA Ship **RONALD H. BROWN (R-104)**

TIME ZONE
+9

DAY OF WEEK
WEDNESDAY

DATE (dd mmm yyyy)
21 JAN 2015

TIME	POSITION		SKY CON- DITION	PRESENT WEATHER	VISI- BILITY (nm)	WIND		SEA LEVEL Press. (mb)	SEA WAVE Height (ft)	SWELL WAVES		TEMPERATURE (°C)		
	LATITUDE N	LONGITUDE W				Dir. (true)	Speed (kts)			Dir. (true)	Height (ft)	SEA WATER	DRY BULB	WET BULB
00	38° 00.3'	139° 59.9'	8/8	AS	07	190	25	1016.7	4-6	290	7-9	15.1	15.8	15.2
01	38° 00.1'	140° 00.0'	8/8	LT. RAIN	05	195	26	1016.6	5-7	290	7-9	15.2	15.3	15.3
02	38° 00.1'	140° 00.2'	8/8	HEAVY RAIN	04	185	31	1014.4	6-8	290	7-9	15.2	15.5	15.2
03	38° 00.2'	139° 59.8'	8/8	WIND GUST	05	215	30	1015.8	7-9	290	7-9	15.2	15.3	15.1
04	38° 00.2'	139° 59.9'	8/8	AS	07	200	22	1015.7	7-9	290	7-9	16.2	16.1	15.4
05	38° 00.3'	139° 59.9'	6/8	AS	06	200	16	1016.1	6-8	290	7-9	15.2	15.9	15.7
06	38° 00.3'	139° 59.9'	8/8	AS	06	200	14	1016.1	5-7	290	7-9	15.2	15.8	15.6
07	38° 00.2'	140° 00.0'	8/8	AS	10	200	15	1016.6	6-8	290	7-9	15.2	15.8	15.6
08	38° 00.1'	139° 59.9'	8/8	NS	6	200	15	1016.9	6-8	290	7-9	15.2	16.0	15.5
09	38° 00.0'	139° 59.9'	8/8	NS	6	200	15	1017.5	6-8	290	7-9	15.2	16.0	15.5
10	38° 00.1'	139° 59.9'	8/8	NS	6	185	15	1017.5	6-8	290	7-9	15.2	15.5	15.2
11	38° 00.1'	140° 00.0'	8/8	NS RAIN	3	195	14	1017.6	6-8	230	8-10	15.2	15.0	16.0
12	38° 00.1'	140° 00.1'	8/8	AS	05	195	16	1017.3	5-7	240	8-10	15.2	15.3	15.0
13	38° 00.1'	140° 00.0'	7/8	AS AC	08	190	17	1015.4	5-7	240	8-10	15.3	16.0	15.5
14	38° 00.1'	140° 00.1'	8/8	AS	07	180	17	1015.3	5-7	240	8-10	15.3	15.8	15.4
15	38° 00.1'	140° 00.1'	8/8	AS	07	175	19	1015.2	5-7	240	7-9	15.3	15.7	15.4
16	38° 00.1'	139° 59.9'	8/8	AS	10	182	17	1015.2	5-7	240	8-10	15.3	16.5	16.0
17	38° 00.1'	140° 00.0'	8/8	AS, CS	07	185	19	1014.8	5-7	240	8-10	15.3	16.1	15.9
18	38° 00.1'	140° 00.0'	8/8	AS, CS	05	182	22	1014.9	5-7	240	8-10	15.3	16.0	16.0
19	38° 00.1'	140° 00.0'	8/8	AS, CS	05	180	20	1014.7	5-7	240	8-10	15.8	16.0	15.5
20	38° 00.1'	140° 00.0'	1/8	AS	06	185	23	1014.6	5-7	240	8-10	15.2	16.0	15.9
21	38° 00.2'	140° 00.1'	8/8	AS	06	180	24	1014.8	5-7	240	8-10	15.2	16.2	15.9
22	38° 00.2'	140° 00.0'	8/8	RAIN	04	190	30	1015.2	7-9	240	8-10	15.2	16.1	16.0
23	38° 00.2'	140° 00.1'	8/8	RAIN	04	180	24	1015.6	7-9	240	10-12	15.2	16.0	16.0

0045 - LIGHT R/W. (30 MINUTES) 0240 - WIND GUST 44 KTS. 0520 -
RAIN AT SHIP (30 MIN). 1700 - LT DRIZZLE
1745: RAIN AT SHIP (10 MIN) 2110 RAIN SQUALL

DECK LOG - WEATHER OBSERVATION SHEET

NOAA Ship RONALD H. BROWN (R-104)						TIME ZONE +9	DAY OF WEEK THURSDAY	DATE (dd mmm yyyy) 22 JAN 2015						
TIME	POSITION		SKY CON-DITION	PRESENT WEATHER	VISI-BILITY (nm)	WIND		SEA LEVEL Press. (mb)	SEA WAVE Height (ft)	SWELL WAVES		TEMPERATURE (°C)		
	LATITUDE N	LONGITUDE W				Dir. (true)	Speed (kts)			Dir. (true)	Height (ft)	SEA WATER	DRY BULB	WET BULB
00	38°00.3'	140°00.1'	8/8	N ^s RAIN	03	195	24	1015.5	6-8	240	10-12	15.2	15.9	15.8
01	38°00.3'	140°00.0'	8/8	N ^s RAIN	02	195	23	1015.2	6-8	240	10-12	15.2	15.9	15.7
02	37°59.6'	140°00.2'	8/8	N ^s RAIN	03	200	26	1014.9	6-8	240	10-12	15.1	15.8	15.7
03	38°00.1'	139°59.9'	8/8	N ^s LT. RAIN	03	195	24	1015.0	6-8	240	10-12	15.2	15.7	15.6
04	38°00.1'	139°59.9'	8/8	N ^s , A ^s LT. RAIN	03	200	25	1014.6	7-9	240	10-12	15.1	16.3	16.1
05	38°00.2'	139°59.9'	8/8	N ^s , A ^s LT. RAIN	04	205	28	1014.9	7-9	240	10-12	15.1	16.6	16.2
06	38°00.2'	140°00.0'	8/8	N ^s , A ^s	03	205	26	1015.1	7-9	240	10-12	15.1	16.1	16.0
07	38°00.2'	140°00.0'	8/8	N ^s , A ^s RAIN	02	200	24	1016.1	7-9	240	10-12	15.3	-	-
08	38°00.2	140°00.0	8/8	NS	4	200	18	1016.9	7-9	240	10-12	15.3	16.5	16.5
09	38°00.2	140°00.0	8/8	NS	5	200	25	1017.5	8-10	240	10-12	15.3	16.5	16.0
10	38°00.2	139°59.9	8/8	NS	8	200	20	1017.4	7-9	240	10-12	15.3	16.2	16.0
11	38°00.2	139°59.9	8/8	NS, A ^s	8	205	22	1018.1	7-9	240	10-12	15.3	16.2	16.0
12	38°00.3'	139°59.9'	8/8	A ^s MIST	07	200	19	1018.0	5-7	230	9-12	15.3	17.0	16.7
13	38°00.3'	140°00.1'	8/8	A ^s MIST	07	195	23	1016.9	6-8	230	9-12	15.3	17.2	16.8
14	38°00.1'	140°00.0'	6/8	Ac, A ^s , Ci	10	200	21	1017.0	6-8	240	9-12	15.3	17.1	16.4
15	38°00.1'	140°00.0'	7/8	Ac, A ^s Ci	10	185	21	1017.4	6-8	230	9-12	15.3	17.0	16.6
16	38°00.1	140°00.0	7/8	Ac, A ^s Ci	10	200	20	1017.7	6-8	230	9-12	15.3	17.0	16.0
17	38°00.1'	140°00.0'	7/8	Ac, A ^s Ci	08	195	21	1017.8	6-8	230	9-12	15.3	16.8	16.0
18	38°00.1	140°00.0	7/8	Ac, A ^s Ci	08	195	23	1018.0	6-8	185	9-12	15.3	15.5	16.0
19	38°00.1	140°00.0	8/8	Ac, A ^s Ci	08	208	25	1018.3	6-8	185	9-12	15.3	16.0	16.0
20	38°00.1	140°00.0	8/8	Ac	08	180	21	1018.9	6-8	185	9-12	15.3	16.0	16.0
21	38°00.3	139°59.9	8/8	Ac	08	170	20	1019.3	6-8	210	9-12	15.3	15.9	15.9
22	38°00.3	139°59.9	8/8	Ac, A ^s	06	200	16	1019.8	6-8	210	10-12	15.3	16.0	16.0
23	38°00.3	139°59.9	8/8	Ac, A ^s	08	190	22	1019.3	6-8	210	10-12	15.3	16.2	16.2

0000-HEAVY RAIN AT SHIP. 1500-CLOUD HEIGHT 230M.

DECK LOG - WEATHER OBSERVATION SHEET

NOAA Ship **RONALD H. BROWN (R-104)** TIME ZONE **+9** DAY OF WEEK **SATURDAY** DATE (dd mmm yyyy) **24 JAN 2015**

TIME	POSITION		SKY CON-DITION	PRESENT WEATHER	VISI-BILITY (nm)	WIND		SEA LEVEL Press. (mb)	SEA WAVE Height (ft)	SWELL WAVES		TEMPERATURE (°C)		
	LATITUDE N	LONGITUDE W				Dir. (true)	Speed (kts)			Dir. (true)	Height (ft)	SEA WATER	DRY BULB	WET BULB
00	38°00.4'	140°00.0'	8/8	As	07	175	26	1018.4	7-9	290	8-10	15.4	15.8	15.5
01	38°00.4'	140°00.1'	8/8	As	06	175	24	1018.1	6-8	290	8-10	15.4	15.7	15.4
02	38°00.4'	140°00.1'	8/8	As	07	180	25	1017.6	6-8	290	8-10	15.4	15.8	15.4
03	38°00.5'	140°00.1'	8/8	As	07	175	26	1017.4	7-9	290	8-10	15.4	16.0	15.5
04	38°00.6'	139°59.2'	6/8	As	06	180	25	1016.4	7-9	290	8-10	15.4	16.1	15.7
05	38°00.6'	139°59.4'	8/8	As	06	170	27	1014.4	7-9	290	8-10	15.4	16.4	15.5
06	38°00.7'	140°00.3'	5/8	As	06	190	28	1015.3	7-9	290	8-10	15.4	16.4	15.3
07	38°00.5'	139°59.9'	2/8	As	08	185	25	1015.6	7-9	290	8-10	15.4	16.1	15.8
08	38°00.6'	139°59.2'	8/8	As	8	200	23	1015.9	8-10	290	8-10	15.3	16.0	15.8
09	38°00.5'	139°58.9'	8/8	As	8	200	18	1016.0	10-12	290	8-10	15.3	16.0	15.8
10	38°00.6'	139°59.2'	8/8	S	6	170	20	1014.6	10-12	290	8-10	15.4	16.0	15.8
11	38°00.6'	139°59.3'	8/8	St, As	06	180	21	1014.9	6-8	290	8-10	15.4	16.1	15.8
12	38°00.7'	139°59.3'	8/8	LT RAIN St, As	06	195	23	1015.2	7-9	290	8-10	15.4	15.9	15.8
13	38°00.7'	139°59.3'	8/8	DRIZZLE St, As	03	220	19	1014.3	6-8	290	8-10	15.4	15.8	15.7
14	38°00.6'	139°59.1'	8/8	DRIZZLE St, As	03	VAR	LT	1014.2	0-1	290	8-10	15.4	14.6	14.3
15	37°59.9'	139°58.6'	8/8	DRIZZLE St, As	05	VAR	LT	1013.7	1-3	190	8-10	15.4	14.3	14.1
16	37°58.9'	139°57.9'	8/8	St, As	06	VAR	LT	1014.1	1-3	290	8-10	15.4	13.7	13.5
17	37°58.4'	139°57.4'	8/8	St, As	06	045	12	1013.3	2-4	190	8-10	15.4	13.5	13.4
18	37°59.6'	139°57.6'	8/8	St, As	06	070	10	1013	2-4	190	8-10	15.3	13.5	13.4
19	37°59.7'	139°58.4'	8/8	St, As	06	070	12	1013	2-4	190	8-10	15.3	13.5	14.5
20	37°59.9'	139°59.0'	8/8	St, As	04	055	07	1013.3	3-5	190	8-10	15.3	14.9	13.1
21	38°00.2'	139°59.9'	8/8	St, As	04	045	11	1013.0	3-5	190	8-10	15.3	13.2	13.2
22	38°00.3'	140°00.2'	8/8	St, As	04	045	09	1012.9	3-5	190	8-10	15.3	13.3	13.2
23	38°00.5'	140°00.4'	8/8	St, As	03	305	03	1012.0	2-4	190	8-10	15.3	13.2	13.2

0245 - CLOUD HEIGHT 1080 METERS. 1445 - CLOUD HEIGHT 470 METERS.

DECK LOG - WEATHER OBSERVATION SHEET

NOAA Ship RONALD H. BROWN (R-104)										TIME ZONE +9		DAY OF WEEK FRIDAY		DATE (dd mmm yyyy) 23 JAN 2015		
TIME	POSITION		SKY CON-DITION	PRESENT WEATHER	VISI-BILITY (nm)	WIND		SEA LEVEL Press. (mb)	SEA WAVE Height (ft)	SWELL WAVES		TEMPERATURE (°C)				
	LATITUDE N	LONGITUDE W				Dir. (true)	Speed (kts)			Dir. (true)	Height (ft)	SEA WATER	DRY BULB	WET BULB		
00	38°00.4'	140°00.0'	6/8	Ac,As	07	185	19	1019.8	5-7	290 210	10-12 8-10	15.3	16.3	15.9		
01	38°00.1'	140°00.0'	7/8	Ac,As	07	195	24	1020.3	6-8	290 210	10-12 8-10	15.4	16.1	15.7		
02	37°59.9'	139°58.2'	6/8	Ac,As	07	180	20	1019.6	5-7	290 210	10-12 8-10	15.4	16.0	15.5		
03	38°00.1'	140°00.0'	5/8	Ac,As	07	170	25	1020.1	6-8	290 210	10-12 8-10	15.4	16.0	15.6		
04	38°00.5'	140°00.5'	3/8	Ac,As	08	190	22	1019.7	6-8	290 210	10-12 8-10	15.4	16.2	15.7		
05	38°00.5'	140°00.1'	7/8	As	08	190	20	1019.4	6-8	210	8-10	15.4	16.3	16.1		
06	38°00.2'	140°00.1'	8/8	As	08	185	25	1018.9	6-8	210	8-10	15.4	16.2	15.9		
07	38°00.2'	140°00.2'	8/8	As	08	195	24	1019.4	6-8	210 210	8-10	15.4	16.2	15.8		
08	38°00.1'	140°00.0'	8/8	NS	8	180	22	1019.6	6-8	240	8-10	15.3	16.0	15.8		
09	38°00.1'	139°59.9'	9/8	NS	8	200	18	1021.0	6-8	240	9-11	15.3	16.0	15.8		
10	38°00.1'	139°59.9'	8/8	NS	8	190	16	1021.9	6-8	240	9-11	15.3	16.0	15.8		
11	38°00.2'	140°00.0'	8/8	NS	8	170	20	1022.2	6-8	240	9-11	15.3	16.0	15.8		
12	38°00.2'	140°00.0'	8/8	St	07	180	19	1021.1	6-8	280	8-10	15.3	16.7	16.0		
13	38°00.2'	140°00.0'	6/8	St, As Ci	08	180	18	1021.1	5-7	280	8-10	15.3	17.5	16.8		
14	38°00.2'	140°00.0'	8/8	St LT RAIN	05	185	19	1019.1	6-8	280	8-10	15.3	16.9	16.5		
15	38°00.2'	140°00.0'	8/8	St DRIZZLE	06	185	18	1019.4	5-7	280	8-10	15.3	16.7	16.3		
16	38°00.3'	140°00.1'	8/8	St, Sc	08	175	23	1018.0	5-7	290	8-10	15.3	16.2	16.0		
17	38°00.4'	139°59.9'	8/8	St DRIZZLE	07	195	21	1019.3	6-8	290	8-10	15.3	16.2	16.1		
18	38°00.4'	139°59.5'	8/8	St, Sc DRIZZLE	06	181	21	1019.1	6-8	290	8-10	15.3	16.2	16.1		
19	38°00.4'	139°59.5'	8/8	St, Sc	06	183	19	1018.4	6-8	290	8-10	15.3	16.0	15.8		
20	38°00.4'	139°59.7'	8/8	St, Sc	04	180	21	1019.8	6-8	290	8-10	15.4	16.0	15.9		
21	38°00.4'	139°59.6'	8/8	St, Sc	04	170	21	1020.4	6-8	290	8-10	15.4	16.1	15.9		
22	38°00.4'	139°59.6'	8/8	St, Sc	04	190	24	1020.1	6-8	290	8-10	15.4	16.2	16.0		
23	38°00.4'	139°59.8'	7/8	St, Sc	06	175	25	1019.8	6-8	290	8-10	15.4	15.9	15.8		

1200 - ADDITIONAL SWELLS ARE 220°T AT 6-8, AND 180° AT 5-7. 1445 - CLOUD HEIGHT 270 M. 2000 - MIST/RAIN AT SHIP

DECK LOG - WEATHER OBSERVATION SHEET

NOAA Ship RONALD H. BROWN						TIME ZONE +9	DAY OF WEEK SUNDAY	DATE (dd mmm yyyy) 25 JAN 2015						
TIME	POSITION		SKY CON-DITION	PRESENT WEATHER	VISI-BILITY (nm)	WIND		SEA LEVEL Press. (mb)	SEA WAVE Height (ft)	SWELL WAVES		TEMPERATURE (°C)		
	LATITUDE N	LONGITUDE W				Dir. (true)	Speed (kts)			Dir. (true)	Height (ft)	SEA WATER	DRY BULB	WET BULB
00	38° 00.6'	140° 00.7'	8/8	DRIZZLE ST, AS	05	285	05	1012.2	1-2	190	8-10	15.3	13.3	13.1
01	38° 00.6'	140° 01.0'	8/8	DRIZZLE ST, AS	05	VAR	LT.	1011.4	0-1	190	8-10	15.3	13.2	13.0
02	38° 00.5'	140° 01.3'	8/8	RAIN ST	04	140	05	1010.8	1-2	190	8-10	15.3	13.2	13.1
03	38° 00.2'	140° 00.3'	8/8	RAIN ST	03	120	17	1009.3	4-6	190	8-10	15.3	13.0	12.9
04	38° 00.2'	139° 59.9'	7/8	ST, AS	05	155	16	1008.8	4-6	190	8-10	15.3	13.8	13.3
05	38° 00.6'	139° 59.3'	5/8	ST, AS	06	150	17	1009.2	4-6	190	8-10	15.2	14.6	13.6
06	38° 01.1'	139° 58.4'	7/8	ST, AS	06	165	22	1009.35-7	190	8-10	15.2	14.5	13.6	
07	38° 00.1'	139° 48.6'	8/8	ST, AS	10	180	22	1009.6	5-7	210	7-9	15.1	15.0	14.1
08	38 00.1	139 33.9	8/8	ST	10	180	21	1009.8	5-7	240	7-9	15.1	14.8	14.0
09	38 00.1	139 20.3	8/8	ST, AS	10	190	25	1010.3	5-7	240	7-9	14.6	14.8	14.0
10	38 00.1	139 08.1	7/8	SC, AC, ST, CI	10	180	26	1010.8	5-7	240	7-9	15.3	15.0	14.5
11	38 00.1	138 54.6	7/8	SP, SC, CI	10	180	24	1010.7	5-7	240	7-9	15.4	15.0	14.5
12	38° 00.1'	138° 40.9'	8/8	Cu, Sc AS, AC	12	190	23	1010.4	5-7	240	7-9	15.2	15.7	14.8
13	38° 00.1'	138° 27.2'	7/8	Cu, Sc AC, AS	12	190	18	1009.7	4-6	240	7-9	14.9	15.7	14.7
14	38° 00.1'	138° 13.1'	8/8	Cu, SC AC, AS	12	205	18	1009.4	4-6	240	7-9	14.9	15.9	14.8
15	38° 00.0'	137° 58.8'	7/8	Cu, Sc AC, AS	12	220	14	1009.1	3-5	240	7-9	15.9	16.5	15.1
16	38° 00.0'	137° 44.9'	7/8	Cu, SC AC, AS	12	242	19	1009.6	3-5	240	7-9	15.7	16.0	15.0
17	38° 00.1'	137° 31.9'	6/8	Cu, SC, AC AS, CI, Ci	10	265	12	1009.9	3-4	240	7-9	15.8	15.7	14.8
18	38° 00.0'	137° 18.9'	6/8	Cu, SC, AC AS, CI, Ci	10	264	12	1010.2	3-4	240	7-9	15.8	15.5	15.3
19	38° 00.0'	137° 04.8'	6/8	Cu, SC, AC AS, CI, Ci	10	264	12	1011.0	3-4	24	7-9	15.8	14.2	13.8
20	38° 00.1	136° 50.2	4/8	Cu, AC	08	270	11	1011.7	3-5	240	7-9	15.7	14.8	14.0
21	38° 00.1	136° 35.5	3/8	Cu, AC	08	265	11	1012.0	3-5	240	7-9	15.8	14.5	13.8
22	38° 00.1	136° 21.0	CLEAR		08	255	13	1012.1	3-5	240	7-9	15.8	14.3	13.5
23	38° 00.0	136° 05.7	4/8	Cu, AC	08	270	12	1012.3	3-5	240	7-9	15.8	14.3	13.8

~~0000~~ - DRIZZLE. ~~0100~~ - DRIZZLE. ~~0200~~ - MODERATE RAIN. 1450 - CLOUD HEIGHT 410 METERS.

DECK LOG - WEATHER OBSERVATION SHEET

NOAA Ship RONALD H. BROWN (R-104)						TIME ZONE +9, +8	DAY OF WEEK TUESDAY	DATE (dd mmm yyyy) 27 JAN 2015						
TIME	POSITION		SKY CON- DITION	PRESENT WEATHER	VISI- BILITY (nm)	WIND		SEA LEVEL Press. (mb)	SEA WAVE Height (ft)	SWELL WAVES		TEMPERATURE (°C)		
	LATITUDE N	LONGITUDE W				Dir. (true)	Speed (kts)			Dir. (true)	Height (ft)	SEA WATER	DRY BULB	WET BULB
00	38°00.0'	129°57.2'	8/8	St, Ac	08	170	13	1016.7	1-3	250	5-7	16.1	15.5	14.1
01	38°00.0'	129°42.2'	5/8	Ac, Ac	08	195	08	1016.7	1-2	250	5-7	15.7	15.4	14.1
02	38°00.1'	129°26.8'	2/8	As, Ci	08	180	05	1016.9	1-2	250	5-7	15.1	14.7	14.5
03	38°00.1'	129°11.9'	5/8	Ac, Ci	08	200	05	1017.1	1-2	250	5-7	15.7	14.7	14.1
04														
05	38°00.0'	128°56.6'	6/8	Ac, As, Ci	08	180	11	1017.5	1-3	250	5-7	15.8	14.9	14.0
06	38°00.0'	128°41.8'	5/8	Ac, As, Ci	08	180	07	1017.8	1-2	250	5-7	15.2	14.8	14.1
07	37°59.9'	128°26.5'	5/8	Ac, As, Ci	10	160	07	1018.2	1-2	250	4-6	15.0	14.5	13.5
08	38°00.0'	128°10.7'	5/8	Ci, Ac, As	12	175	7	1018.8	1-2	270	4-6	15.0	14.2	13.0
09	37°59.9'	127°56.3'	4/8	Ac, As, Ci	12	150	5	1019.6	1-2	270	4-6	15.1	14.5	13.0
10	38°00.0'	127°40.4'	4/8	St, W	12	150	10	1020.8	1-2	270	4-6	15.0	15.0	13.5
11	38°00.0'	127°26.1'	8/8	Cu, St	12	160	5	1021.2	1-2	270	4-6	14.9	14.4	13.0
12	38°00.0'	127°11.0'	7/8	Cu, Sc, Ac, As	12	150	08	1021.2	1-3	270	4-6	15.0	15.2	13.4
13	38°00.0'	127°00.5'	6/8	Cu, Sc, Ac, As, Ci	12	150	05	1021.0	1-2	270	4-6	14.9	15.6	13.8
14	38°00.0'	127°00.0'	5/8	Cu, Sc, Ac, As, Ci	12	180	05	1021.0	1-2	280	4-6	15.0	17.0	14.7
15	38°00.4'	126°59.2'	6/8	Cu, Sc, Ac, As, Ci	12	190	05	1021.1	1-2	280	4-6	15.2	17.2	14.7
16	38°00.9'	126°57.8'	4/8	Cu, Sc, Ac, As, Ci	12	180	03	1021.3	1-2	250	4-6	15.1	17.0	13.7
17	38°00.9'	126°56.6'	6/8	Cu, As, Ci	10	205	04	1021.9	1-2	280	4-6	15.1	16.5	12.9
18	37°59.8'	126°48.2'	4/8	Cu, As, Ci	10	186	06	1021.4	1-2	280	3-5	15.1	15.0	13.8
19	37°59.6'	126°35.2'	4/8	Cu, As, Ci	12	200	04	1022	1-2	280	3-5	15.0	14.0	13.5
20	37°59.4'	126°19.1'	8/8	Cu, Ac	08	180	04	1022.6	1-2	280	3-5	14.9	14.9	14.3
21	37°59.1'	126°04.2'	7/8	Ac	08	155	05	1023.0	1-2	280	3-5	15.0	14.9	14.5
22	37°58.9'	125°50.1'	1/8	Ac	08	145	05	1023.2	1-2	280	3-5	14.9	14.8	14.5
23	37°58.7'	125°35.6'	CLEAR		08	155	06	1023.9	1-2	280	3-5	14.5	14.5	14.5

0250 - CLOUD HEIGHT 6,420 METERS. 0400 - OBSERVED TIME CHANGE +8 ZD.

DECK LOG - WEATHER OBSERVATION SHEET

NOAA Ship RONALD H. BRUNN (R-104)										TIME ZONE +9		DAY OF WEEK MONDAY		DATE (dd mmm yyyy) 26 JAN 2015		
TIME	POSITION		SKY CON-DITION	PRESENT WEATHER	VISI-BILITY (nm)	WIND		SEA LEVEL Press. (mb)	SEA WAVE Height (ft)	SWELL WAVES		TEMPERATURE (°C)				
	LATITUDE N	LONGITUDE W				Dir. (true)	Speed (kts)			Dir. (true)	Height (ft)	SEA WATER	DRY BULB	WET BULB		
00	38°00.0'	135°51.6'	4/8	Cu, Sc	08	270	11	1012.6	2-4	240	7-9	15.8	14.7	13.3		
01	38°00.0'	135°37.0'	5/8	Cu, Sc Ac, Ci	08	270	13	1012.4	3-4	240	7-9	15.6	14.2	13.4		
02	38°00.1'	135°22.6'	6/8	Cu, Ac As	08	260	12	1012.8	2-4	240	7-9	15.5	14.5	13.3		
03	38°00.1'	135°08.1'	7/8	Cu, Ac As	08	270	12	1013.0	2-4	240	7-9	15.5	14.7	13.4		
04	38°00.1'	134°53.5'	6/8	Cu, Ac, As	08	270	12	1012.9	2-4	240	7-9	15.5	14.6	13.5		
05	38°00.1'	134°39.0'	8/8	Cu, Ac, As	08	280	13	1012.8	2-4	240	7-9	15.6	14.9	13.9		
06	38°00.1'	134°23.6'	8/8	Ac, As	08	280	11	1013.0	2-4	240	7-9	15.4	14.9	13.8		
07	38°00.1'	134°09.6'	7/8	Cu, Sc, Ac, As	12	250	10	1014.0	2-3	240	6-8	15.7	14.8	13.8		
08	38 00.1	133 54.6	7/8	Cu, As Sc	12	LT VAR		1014.2	2-3	240	6-8	15.4	14.8	14.0		
09	38°00.0'	133°40.7'	7/8	Cu, As Sc	12	280	5	1015.0	2-3	240	5-7	15.3	15.5	14.5		
10	38 00.0	133 26.1	8/8	As, Cu	12	LT VAR		1015.2	2-3	240	5-7	15.4	15.5	14.5		
11	38 00.0	133 10.8	8/8	As, Cu Sc	12	LT VAR		1015.4	2-3	240	5-7	15.4	15.5	14.5		
12	38°00.1'	132°56.3'	7/8	Cu, Sc Ac, As	12	325	05	1014.6	1-2	250	5-7	15.6	15.9	14.8		
13	38°00.0'	132°41.8'	8/8	Cu, Sc As	12	325	07	1014.1	1-3	250	5-7	15.2	15.9	14.9		
14	38°00.1'	132°27.2'	8/8	St, As	08	350	05	1013.7	1-2	250	5-7	15.2	15.6	14.8		
15	38°00.1'	132°12.5'	8/8	St	08	005	15	1013.8	3-4	250	5-7	15.3	14.5	14.0		
16	38°00.4	132°58.7	8/8	Drizzle St	08	005	12	1013.9	3-4	250	5-7	15.5	14.2	14.2		
17	38°00.1	131°43.1'	8/8	DRIZZLE St	06	000	12	1014.2	2-4	250	5-7	15.7	14.4	14.1		
18	38°00.0	131°27.8	8/8	Ac, ST	08	342	12	1014.5	2-5	250	5-7	15.4	14.2	14.0		
19	38°00.0	131°15.5	8/8	Ac, ST	08	273	03	1015.2	2-5	250	5-7	15.3	14.7	14.7		
20	38°00.0	130°59.2	7/8	Ac, Ci	08	180	05	1015.6	2-3	250	5-7	15.1	15.0	15.0		
21	38°00.0	130°43.0	5/8	Ac, Ci	08	185	04	1015.9	1-3	250	5-7	15.2	14.9	14.8		
22	38°00.0	130°27.7	5/8	Ac, Ci	08	205	03	1016.3	0-1	250	4-6	15.5	15.0	14.9		
23	38°00.0	130°12.5	5/8	Cu, Ac	08	220	04	1016.9	0-1	250	4-6	16.4	15.3	14.8		

1445 - CLOUD HEIGHT 1160 METERS.
 1600: DRIZZLE AND LOW CLOUD HEIGHT
 1826: RAIN

DECK LOG - WEATHER OBSERVATION SHEET

NOAA Ship RONALD H. BROWN (R-104)						TIME ZONE +8		DAY OF WEEK WEDNESDAY		DATE (dd mmm yyyy) 28 JAN 2015				
TIME	POSITION		SKY CON-DITION	PRESENT WEATHER	VISI-BILITY (nm)	WIND		SEA LEVEL Press. (mb)	SEA WAVE Height (ft)	SWELL WAVES		TEMPERATURE (°C)		
	LATITUDE N	LONGITUDE W				Dir. (true)	Speed (kts)			Dir. (true)	Height (ft)	SEA WATER	DRY BULB	WET BULB
00	37°58.6	125°21.7	1/8	Ac	08	170	06	1023.9	1-2	280	4-6	14.8	14.7	14.3
01	37°58.5	125°07.0	2/8	Ci	08	160	06	1023.6	1-2	280	4-6	14.5	14.5	14.2
02	37°58.2	124°52.3	2/8	Ac, Ci LT. FOG	06	150	07	1024.0	1-2	280	4-6	14.5	14.5	14.3
03	37°57.9	124°38.2	8/8	FOG	01	135	08	1024.2	1-3	280	4-6	14.9	14.3	14.2
04	37°57.8	124°24.2	3/8	Ac	08	150	08	1024.0	1-2	280	4-6	14.1	13.8	13.6
05	37°57.5	124°10.3	4/8	Ac	08	155	07	1023.8	1-2	280	4-6	14.1	13.8	13.6
06	37°57.3	123°57.1	3/8	Ac	08	135	04	1024.3	1-2	280	4-6	13.8	13.6	13.2
07	37°57.1	123°42.6	3/8	Ac, Ci	12	135	03	1024.5	1-2	280	4-6	13.8	13.4	12.9
08	37 56.9	123 35.8	2/8	Ac, As, Ci	12	LT/VAR		1025.0	1-2	280	3-5	13.9	15.0	14.5
09	37 56.8	123 35.2	3/8	Ci, Cs, Ac	12	LT/VAR		1025.4	1-2	280	3-5	13.9	16.0	14.5
10	37 56.9	123 35.1	2/8	Ci, Cs Ac	12	LT/VAR		1025.4	1-2	280	3-5	14.0	16.0	14.0
11	37°57.0	123°35.1	2/8	Cs, Ac	12	338	06	1025.3	1-2	280	3-5	14.0	15.0	14.0
12	37°57.0	123°35.2	2/8	Ac, Ci	12	340	06	1025.1	1-2	280	4-6	14.2	15.3	14.3
13	37°56.9	123°35.1	3/8	As, Ci, Cs	12	325	06	1024.3	1-2	280	5-7	14.3	14.0	13.2
14	37°57.0	123°35.0	8/8	St	10	310	08	1023.7	1-3	280	6-8	14.3	14.2	13.7
15	37°56.9	123°35.0	8/8	St	10	320	08	1023.3	2-3	280	6-8	14.2	14.1	13.6
16	37°57.1	123°35.0	8/8	PATCHY FOG, St	6-8	320	12	1022.8	2-3	290	4-6	14.2	13.6	13.2
17	37°57.0	123°35.1	8/8	As, Ci, St	6-8	323	10	1022.7	2-3	290	4-6	14.2	14.1	13.6
18	37°56.5	123°35.4	8/8	As, Ci, St	6-8	330	10	1022	2-3	290	4-6	14.1	13.5	13.0
19	37°56.6	123°35.1	8/8	As, Ci, St	6-8	334	17	1022	2-3	290	4-6	14.0	13.0	12.7
20	37°56.7	123°34.8	7/8	Cu	08	320	18	1022.7	2-3	290	4-6	13.9	12.3	12.1
21	37°56.6	123°34.9	7/8	Cu	08	315	18	1022.5	2-3	290	4-6	13.8	12.5	12.3
22	37°56.7	123°34.8	7/8	Cu	08	335	18	1022.6	2-3	290	4-6	13.7	12.8	12.7
23	37°56.7	123°34.8	8/8	Cu	08	335	19	1022.6	2-3	290	5-7	13.8	12.8	12.3

1540 - FOG, VISIBILITY < 1.0nm, PATCHY.

DECK LOG - WEATHER OBSERVATION SHEET

NOAA Ship **RONALD H. BROWN (R-104)** TIME ZONE **+8** DAY OF WEEK **THURSDAY** DATE (dd mmm yyyy) **29 JAN 2015**

TIME	POSITION		SKY CON-DITION	PRESENT WEATHER	VISI-BILITY (nm)	WIND		SEA LEVEL Press. (mb)	SEA WAVE Height (ft)	SWELL WAVES		TEMPERATURE (°C)		
	LATITUDE N	LONGITUDE W				Dir. (true)	Speed (kts)			Dir. (true)	Height (ft)	SEA WATER	DRY BULB	WET BULB
00	37°56.8'	123°34.6'	5/8	Ac, As Ci	08	335	18	1022.5	4-6	290	5-7	13.7	12.6	12.1
01	37°51.2'	123°31.4'	4/8	Ac, Ci	08	325	13	1022.3	3-4	290	5-7	14.1	12.5	12.0
02	37°44.6'	123°27.4'	5/8	Cu, Ac Ci	08	330	12	1022.0	2-4	290	4-6	13.8	12.7	12.2
03	37°38.5'	123°22.8'	1/8	Ci	08	330	18	1021.5	4-6	290	4-6	13.8	12.8	12.3
04	37°33.2'	123°16.6'	1/8	Ci	08	340	14	1021.2	2-4	290	4-6	13.7	13.1	12.4
05	37°30.1'	123°09.6'	2/8	Ac	08	335	14	1020.7	2-4	290	4-6	14.0	13.0	12.5
06	37°33.4'	123°00.3'	2/8	Ac, Ci	08	340	09	1020.7	1-3	290	4-6	13.8	13.0	12.7
07	37°39.0'	122°49.7'	2/8	Ci	10	LT+VARIABLE		1020.9	1-2	290	4-6	14.1	12.1	11.8
08		IMPORT		S.F. CA										
09														
10														
11														
12														
13														
14														
15														
16														
17														
18														
19														
20														
21														
22														
23														

DECK LOG - WEATHER OBSERVATION SHEET

NOAA Ship **RONALD H. BROWN**

TIME ZONE
+8

DAY OF WEEK
FRIDAY

DATE (dd mmm yyyy)
30 JAN 2015

TIME	POSITION		SKY CON-DITION	PRESENT WEATHER	VISI-BILITY (nm)	WIND		SEA LEVEL Press. (mb)	SEA WAVE Height (ft)	SWELL WAVES		TEMPERATURE (°C)		
	LATITUDE N	LONGITUDE W				Dir. (true)	Speed (kts)			Dir. (true)	Height (ft)	SEA WATER	DRY BULB	WET BULB
00														
01														
02														
03														
04														
05														
06														
07														
08														
09	IN PORT S.F., CA													
10														
11														
12	37°44.2'	122°44.9'	7/8	St	10	315	08	1016.4	1-3	290	5-7	15.4	13.9	12.8
13	37°38.5'	122°56.2'	6/8	Ac, As	10	315	16	1015.3	3-5	290	6-8	13.6	13.8	12.9
14	37°33.3'	123°06.9'	7/8	St, As	08	325	21	1015.0	4-6	300	6-8	13.9	13.8	12.9
15	37°29.9'	123°18.8'	8/8	St	06	320	20	1014.3	4-6	310	8-10	13.7	13.6	12.7
16	37°26.6'	123°21.5'	8/8	St, As	10	330	27	1014.5	4-6	310	8-10	14.3	13.5	13.0
17	37°23.1'	123°41.0'	8/8	Sc	10	330	28	1014.5	5-7	310	7-9	14.2	13.2	12.5
18	37°20.0'	123°51.6'	8/8	Sc, As	8-10	330	30	1014.2	6-8	310	7-9	14.4	13.5	12.5
19	37°16.6'	124°04.0'	7/8	Sc, As	10	335	32	1015.0	7-10	310	7-9	14.4	13.0	12.5
20	37°13.8'	124°14.6'	CLEAR		08	335	31	1015.9	8-10	310	10-12	14.4	13.9	13.0
21	37°10.0'	124°25.8'	CLEAR		08	330	29	1015.7	8-10	310	10-12	14.2	13.9	13.0
22	37°06.7'	124°37.1'	1/8	Cu	08	325	34	1016.5	8-10	310	10-12	14.2	13.9	13.0
23	37°03.4'	124°48.2'	1/8	Cu	08	335	33	1016.5	8-10	310	10-12	14.2	13.8	12.8

DECK LOG - WEATHER OBSERVATION SHEET

NOAA Ship **RONALD H. BROWN** TIME ZONE **+8** DAY OF WEEK **SATURDAY** DATE (dd mmm yyyy) **31 JAN 2015**

TIME	POSITION		SKY CON- DITION	PRESENT WEATHER	VISI- BILITY (nm)	WIND		SEA LEVEL Press. (mb)	SEA WAVE Height (ft)	SWELL WAVES		TEMPERATURE (°C)		
	LATITUDE N	LONGITUDE W				Dir. (true)	Speed (kts)			Dir. (true)	Height (ft)	SEA WATER	DRY BULB	WET BULB
00	37°00.2'	124°59.1'	8/8	st	07	330	28	1016.6	8-10	310	10-12	14.5	13.5	12.5
01	37°00.0'	125°00.0'	8/8	St, Sc	07	335	26	1016.7	8-10	310	10-12	14.9	13.3	12.3
02	37°00.0'	125°00.0'	7/8	Sc	08	335	24	1016.6	7-9	310	10-12	14.9	13.3	12.3
03	37°00.0'	125°00.0'	7/8	Sc	08	355	24	1016.2	7-9	310	10-12	14.9	13.4	12.2
04	37°00.0'	124°59.9'	7/8	Sc, St	08	350	22	1015.6	7-9	310	10-12	14.9	13.5	12.4
05	37°00.0'	124°59.9'	7/8	Sc, St	08	345	22	1016.0	7-9	310	9-11	14.8	13.4	12.6
06	37°00.0'	124°59.9'	6/8	Sc, St	06	325	20	1016.6	6-8	310	9-11	14.9	13.8	13.1
07	37°00.0'	124°59.9'	7/8	Sc, St	10	335	23	1017.1	7-9	310	9-11	14.9	13.8	12.8
08	36 59.9	125 00.0	5/8	st, cu	12	355	17	1016.8	6-8	310	9-11	14.8	14.0	13.0
09	36 59.9	124 59.9	2/8	cu	12	330	20	1017.8	6-8	310	9-11	14.8	14.0	13.0
10	37 00.0	124 59.6	1/8	cu	12	336	16	1018.0	6-8	310	9-11	14.8	14.0	13.0
11	36 59.9	124 59.7	1/8	cu ci	12	340	19	1018.5	6-8	310	9-11	14.8	14.0	13.0
12	37°00.0'	125°00.0'	3/8	ci	12	350	17	1018.3	5-7	310	8-10	14.8	15.2	13.9
13	37°00.0'	124°59.9'	3/8	cu, ci	12	340	16	1017.9	5-7	310	8-10	14.7	15.0	14.0
14	37°00.0'	125°00.0'	5/8	cu, ci cs, cc	11	325	17	1017.6	5-7	310	8-10	14.6	15.7	14.7
15	37°00.0'	125°00.0'	5/8	cu, ci cs, cc	11	330	16	1017.7	5-7	310	8-10	14.7	15.3	14.5
16	37°00.0'	125°00.0'	4/8	cu, ci cs, cc	12	340	16	1017.7	5-7	310	8-10	14.6	16.0	15.5
17	36°59.9'	125°00.1'	6/8	cu, se as, ci	12	320	18	1018.0	5-7	310	8-10	14.5	14.7	13.8
18	37°00.0'	125°00.0'	8/8	cu, se as, ci	12	330	18	1018.0	5-7	310	8-10	14.8	13.8	13.2
19	37°00.0'	125°00.0'	4/8	cu, se as, ci	12	325	13.7	1018.6	5-7	310	8-10	14.8	13.8	13.5
20	37°00.0'	124°59.9'	1/8	ci	08	335	16	1019.0	3-5	310	7-9	14.8	14.3	13.8
21	36°59.9'	125°03.4'	3/8	ci	08	335	16	1019.4	3-5	310	7-9	14.5	14.5	13.9
22	37°00.0'	125°14.1'	3/8	ci	08	345	20	1019.8	3-5	310	7-9	14.8	15.3	13.5
23	37°00.0'	125°24.1'	CLEAR		08	345	14	1020.3	3-5	310	7-9	14.7	14.5	13.5

06°

13.2
13.8 AM