

DECK LOG – WEATHER OBSERVATION SHEET

NOAA Ship		OKEANOS EXPLORER (R-337)		TIME ZONE	-4		DAY OF WEEK	WEDNESDAY		DATE (dd mmm yyyy)	28 NOV 2018			
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														
12														
13														
14	18°37.7'	066°19.0'	FEW		10	050	11	1012.7	1	040	2-3	28.1	27.2	23.4
15	18°45.2'	066°28.3'	FEW		10	040	9	1013.1	1	030	2-4	28.3	27.4	23.1
16	18°50.9	066°35.4	FEW		10	030	8	1013.5	1	040	2-3	28.4	27.5	22.9
17	18°57.6	066°45.7	FEW		10	010	6	1013.7	1	040	2-3	28.5	27.2	23.3
18	19°03.3	066°50.9	FEW		10	315	2	1014.1	1-2	040	2-3	28.5	27.1	23.2
19	19°09.3	066°58.4	FEW		10	010	9	1014.8	1	040	2-3	28.3	27.1	23.3
20	19°16.4'	067°07.3'	FEW		10	090	3	1015.5	1	040	2-3	28.0	26.9	23.6
21	19°22.7'	067°15.2'	FEW		10	055	2	1015.9	1	040	2-3	28.0	26.9	23.4
22	19°28.4'	067°22.4'	CLR		10	170	4	1015.9	1	040	2-3	27.6	26.7	23.8
23	19°34.9'	067°30.5'	FEW		10	160	2	1015.8	1	040	2-3	27.9	26.7	23.9

00000-1300 IN PORT/SEA AND ANCHOR DETAIL

1330 TIME CHANGE TO UTC -5

DECK LOG – WEATHER OBSERVATION SHEET

NOAA Ship <i>OKEANOS EXPLORER (R-337)</i>				TIME ZONE <i>- 5</i>	DAY OF WEEK <i>THURSDAY</i>	DATE (dd mmm yyyy) <i>29 NOV 2018</i>								
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	19° 41.2'	067° 38.3'	SCT		10	200	LT	1015.5	<1	040	2-3	27.7	26.7	23.8
01	19° 47.5	067° 46.3'	SCT		10	235	4	1015.2	<1	040	2-3	27.9	26.9	23.3
02	19° 53.9'	067° 54.3	SCT		10	VAR	LT	1014.8	<1	040	2-3	27.9	26.7	23.7
03	20° 00.2'	068° 02.1'	SCT		10	280	3	1014.8	<1	040	2-3	27.8	26.6	23.4
04	20° 06.1	068° 09.6	CLR		10	260	2	1015.1	<1	040	2-3	27.8	26.4	23.1
05	20° 11.8	068° 16.8	CLR		10	145	3	1015.4	<1	040	2-3	28.0	26.4	23.4
06	20° 18.0	068° 24.6	CLR		10	160	4	1015.9	<1	090	2	27.7	26.4	23.5
07	20° 24.3	068° 32.5	FEW		10	190	6	1016.4	<1	320	2-3	27.6	26.3	23.7
08	20° 31.3 N	068° 41.4 W	FEW		10	195	6	1017.3	<1	320	3-4	27.9	26.9	23.3
09	20° 37.2 N	068° 48.7 W	FEW		10	170	4	1017.9	<1	320	3-5	28.0	27.1	23.1
10	20° 43.9 N	068° 57.4 W	SCT		10	175	6	1018.0	<1	320	3-5	28.2	27.2	23.5
11	20° 50.1 N	069° 05.1 W	SCT		10	198	6	1017.6	<1	310	5-6	28.0	27.4	23.4
12	20° 57.1'	069° 13.9	SCT		10	020	8	1016.7	<1	310	4-6	27.9	27.2	23.8
13	21° 02.6'	069° 20.9'	SCT		10	050	15	1015.9	1-2	310	4-6	28.0	26.8	23.6
14	21° 10.1'	069° 30.5'	OVC	VC RA	10	035	20	1015.4	1-2	320	4-6	28.1	26.4	23.5
15	21° 14.5'	069° 36.0'	BKN		10	035	21	1015.5	1-2	350	4-6	28.1	26.7	23.6
16	21° 19.9'	069° 42.9'	SCT		10	040	18	1015.7	1-3	000	4-6	28.0	26.4	22.8
17	21° 26.3	069° 51.1	FEW		10	035	16	1016.3	1-3	005	4-6	28.0	26.3	22.4
18	21° 31.1	069° 59.8	FEW		10	045	15	1016.8	1-3	010	4-6	28.0	26.2	22.5
19	21° 36.0	070° 08.8	FEW		10	050	16	1016.9	1-3	010	4-5	28.0	26.2	22.0
20	21° 40.9'	070° 17.9'	FEW		10	050	15	1018.1	1-3	010	4-5	28.0	26.0	21.8
21	21° 46.0'	070° 23.0'	SCT		10	040	16	1018.7	1-3	010	4-5	28.0	26.1	21.7
22	21° 50.7'	070° 35.7'	SCT		10	050	20	1018.7	1-3	010	4-5	27.9	25.8	21.5
23	21° 55.5'	070° 44.4'	FEW		10	040	17	1018.5	1-3	010	4-5	27.9	25.7	21.0

1315 SHOWER

DECK LOG – WEATHER OBSERVATION SHEET

NOAA Ship <i>OKEANOS EXPLORER (R-337)</i>			TIME ZONE <i>-5</i>	DAY OF WEEK <i>FRIDAY</i>	DATE (dd mmm yyyy) <i>30 NOV 2018</i>									
TIME	POSITION		SKY CON-DITION	PRESENT WEATHER	VISI-BILITY (nm)	WIND		SEA LEVEL Press. (mb)	SEA WAVE Height (ft)	SWELL WAVES		TEMPERATURE (°C)		
	LATITUDE <i>N</i>	LONGITUDE <i>W</i>				Dir. (true)	Speed (kts)			Dir. (true)	Height (ft)	SEA WATER	DRY BULB	WET BULB
00	22°00.3'	070°53.2'	SCT		10	045	17	1018.2	1-3	010	4-5	27.9	25.4	20.7
01	22°05.1'	071°02.0'	SCT		10	035	20	1017.8	1-3	340 / 220	4-5	27.8	25.3	20.5
02	22°09.8'	071°10.6'	SCT		10	050	15	1017.7	1-3	340 / 220	4-5	27.9	25.1	20.1
03	22°14.5'	071°19.1'	FEW		10	035	17	1017.4	1-3	340 / 220	4-5	27.9	25.0	20.0
04	22°19.4'	071°28.1'	FEW		10	050	17	1017.7	1-3	030	4-5	27.9	25.0	19.8
05	22°24.1'	071°36.7'	CLR		10	055	16	1018.2	1-3	030	4-5	27.8	24.9	19.4
06	22°29.2'	071°46.1'	FEW		10	060	16	1019.0	1-2	350	4-5	27.9	25.0	19.2
07	22°34.7'	071°55.8'	FEW		10	060	17	1019.7	1-3	355 / 030	4-5	27.9	25.3	19.5
08	22°41.4'	072°03.0'	SCT		10	060	17	1018.7	1-3	340 / 030	4-5 / 2-3	27.7	25.2	20.0
09	22°48.2'	072°10.4'	SCT		10	080	14	1019.5	1-2	340 / 030	4-5 / 1-3	27.8	25.3	19.7
10	22°55.2'	072°17.9'	SCT		10	080	15	1019.6	1-3	350 / 030	4-5 / 1-3	27.8	25.6	20.1
11	23°02.4'	072°25.8'	FEW		10	080	14	1018.9	1-3	350 / 030	3-5 / 1-3	27.8	25.2	20.2
12	23°09.7'	072°36.1'	FEW		10	070	15	1020.0	1-3	350 / 030	3-5 / 1-3	27.8	25.9	19.7
13	23°14.0'	072°43.3'	FEW		10	090	12	1019.3	1-3	350 / 030	3-5 / 1-3	27.8	26.3	20.5
14	23°19.5'	072°52.3'	SCT		10	090	13	1018.9	1-3	350 / 030	3-5 / 1-3	27.8	25.9	20.1
15	23°25.9'	073°00.3'	BKN		10	080	16	1018.5	1-3	350 / 030	3-5 / 1-3	27.7	25.6	19.9
16	23°32.8'	073°09.1'	BKN		10	080	16	1018.9	1-3	000 / 050	3-5 / 1-3	27.1	25.6	20.0
17	23°37.4'	073°14.9'	SCT		10	080	15	1019.2	1-3	000 / 050	3-5 / 1-3	27.1	25.5	19.6
18	23°44.6'	073°24.0'	SCT		10	080	14	1019.3	1-3	000 / 050	3-5 / 1-3	27.8	25.5	20.0
19	23°50.4'	073°31.3'	SCT		10	080	14	1019.9	1-3	000 / 050	3-5 / 1-3	27.8	25.5	19.8
20	23°57.2'	073°40.0'	SCT		10	090	14	1020.4	1-3	000 / 050	3-5 / 1-3	27.8	25.6	20.0
21	24°02.9'	073°47.1'	SCT		10	100	14	1020.4	1-3	000 / 050	3-5 / 1-3	27.4	25.5	20.3
22	24°08.8'	073°54.7'	FEW		10	100	12	1020.6	1-3	000 / 050	3-5 / 1-3	27.6	25.8	20.3
23	24°15.1'	074°02.6'	FEW		10	100	13	1020.4	1-3	000 / 050	3-5 / 1-3	27.4	25.5	19.8

DECK LOG - WEATHER OBSERVATION SHEET

NOAA Ship <i>OKEANOS EXPLORER (R-337)</i>						TIME ZONE <i>-5</i>	DAY OF WEEK <i>SATURDAY</i>	DATE (dd mmm yyyy) <i>01 DEC 2018</i>						
TIME	POSITION		SKY CON-DITION	PRESENT WEATHER	VISI-BILITY (nm)	WIND		SEA LEVEL Press. (mb)	SEA WAVE Height (ft)	SWELL WAVES		TEMPERATURE (°C)		
	LATITUDE <i>N</i>	LONGITUDE <i>W</i>				Dir. (true)	Speed (kts)			Dir. (true)	Height (ft)	SEA WATER	DRY BULB	WET BULB
00	24° 21.6'	074° 10.8'	SCT		10	105	12	1019.8	1-3	000 / 050	3.5 / 1-3	27.3	25.2	20.8
01	24° 28.0'	074° 18.3'	SCT		10	100	18	1019.4	1-3	000 / 050	3.5 / 1-3	27.3	25.2	21.3
02	24° 34.0'	074° 26.7'	SCT		10	100	15	1018.8	1-3	000 / 050	3.5 / 1-3	27.4	25.0	21.4
03	24° 40.4'	074° 34.9'	SCT		10	125	19	1018.5	1-3	000 / 050	3.5 / 1-3	27.2	24.8	21.3
04	24° 46.2	074° 43.5	BKN		10	120	15	1018.5	2-3	130	3-4	27.1	24.7	21.8
05	24° 52.2	074° 53.4	BKN		10	120	13	1018.7	1-3	090	3-4	26.7	24.1	21.1
06	24° 57.1	075° 01.4	BKN		10	120	17	1019.1	1-3	110	2-4	26.4	24.7	20.7
07	25° 02.0	075° 09.6	BKN		10	110	15	1019.8	1-3	110	2-4	26.4	24.7	21.5
08	25° 08.5'	075° 20.2'	BKN		10	110	15	1020.2	1-3	110	3-4	26.5	25.5	21.9
09	25° 12.2 N	075° 26.8 W	BKN	DZ	10	090	15	1019.0	1-3	110	3-4	26.6	24.2	22.1
10	25° 12.3 N	075° 26.9 W	BKN	DZ	10	130	12	1020.6	1-3	130	3-4	26.6	24.4	21.5
11	25° 12.4 N	075° 27.1 W	OVC		10	100	17	1019.9	2-3	100	3-4	26.6	24.5	22.8
12	25° 18.3'	075° 36.4'	OVC		10	105	15	1019.4	2-3	100	3-4	26.5	25.2	22.4
13	25° 22.4 N	075° 42.9 W	OVC		10	110	17	1018.9	2-3	100	3-4	26.6	25.5	22.1
14														
15														
16	25° 26.1	075° 49.3	BKN		10	115	16	1017.6	1-3	110	3-4	26.6	26.1	22.8
17	25° 32.0	075° 59.0	BKN		10	120	14	1017.9	1-3	110	3-4	27.1	26.1	22.8
18	25° 36.9	076° 07.0	BKN		10	130	15	1018.2	1-3	110	3-4	27.2	26.1	22.7
19	25° 44.1	076° 19.0	BKN		10	145	14	1018.6	1-3	110	3-4	27.2	26.3	22.3
20	25° 48.5'	076° 26.4'	BKN		10	140	14	1019.0	1-3	110	3-4	26.7	26.4	22.6
21	25° 53.7'	076° 34.9'	SCT		10	140	15	1019.0	1-3	110	3-4	26.9	26.4	22.8
22	25° 51.8'	076° 45.9'	SCT		10	140	18	1018.6	1-3	110	3-4	27.1	26.3	23.0
23	25° 49.6'	076° 47.6'	SCT		10	140	20	1018.3	1-3	110	3-4	27.0	26.4	23.2

1400-1500 CTD DEPLOYMENT

DECK LOG – WEATHER OBSERVATION SHEET

NOAA Ship			OKEANOS EXPLORER (R-337)					TIME ZONE	DAY OF WEEK	DATE (dd mmm yyyy)				
								-5	SATURDAY	08 DEC 2018				
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°38.2'	077°38.2'	SCT		10	055	15	1023.1	2-3	090	3-4	-	25.2	22.4
01	24°30.4'	077°35.4'	SCT		10	065	21	1022.7	2-3	090	3-4	-	25.3	22.3
02	24°35.7'	077°39.1'	SCT		10	085	24	1022.0	2-3	090	3-4	-	25.4	23.5
03	24°44.3'	077°41.1'	SCT		10	070	22	1021.4	2-3	090	3-4	-	24.8	22.9
04	24°51.2'	077°46.8'	FEW		10	080	20	1022.0	1-3	080	2-4	-	24.5	22.5
05	24°57.8'	077°45.0'	CLR		10	080	21	1021.5	2-3	075	3-4	-	24.0	22.0
06	25°03.4'	077°37.0'	FEW		10	090	20	1022.0	2-3	070	2-4	-	24.0	22.0
07	25°07.7'	077°29.8'	FEW		10	085	21	1022.2	2-3	065	2-3	-	24.5	22.5
08	25°07.9'	077°26.1'	SCT		10	070	18	1023.3	2-3	080	3-4	-	24.9	25.0
09	25°06.9'	077°22.9'	BKN		10	075	20	1023.9	2-3	080	3-4	-	25.0	25.2
10	25°09.9'N	077°19.8'W	BKN		10	080	19	1024.1	3-4	050	2-3	-	24.8	21.3
11	25°18.9'N	077°10.9'W	BKN		10	090	21	1023.2	3-4	050	3-4	26.7	24.7	20.6
12	25°28.6'	077°18.1'	BKN		10	080	18	1022.4	2-3	050	3-4	26.7	24.5	19.8
13	25°38.1'	077°18.1'	OVC		10	095	15	1022.5	2-3	050	3-4	26.8	24.9	22.8
14	25°44.6'	077°26.9'	OVC		10	080	15	1021.9	2-3	080	3-4	26.8	24.7	20.0
15	25°51.1'	077°36.4'	OVC OVC		10	090	14	1021.7	2-3	080	3-4	26.8	24.7	19.7
16	25°54.1'	077°34.3'	OVC		10	090	15	1021.4	2-3	080	3-4	26.8	24.6	19.2
17	25°59.4'	077°33.1'	OVC		10	090	14	1021.6	1-3	085	2-4	26.8	24.5	19.9
18	26°03.6'	077°41.6'	OVC		10	100	14	1021.7	1-3	085	2-3	26.7	24.4	20.0
19	26°07.1'	077°48.8'	OVC		10	102	16	1021.9	1-3	085	2-3	26.8	24.3	19.6
20	26°12.0'	077°59.0'	OVC		10	080	16	1021.7	1-3	085	2-3	26.7	24.5	20.3
21	26°16.1'	078°07.3'	OVC		10	090	14	1021.8	1-2	085	2-3	26.7	24.3	20.0
22	26°21.1'	078°17.7'	OVC		10	100	16	1021.7	1-2	085	2-3	26.8	24.5	20.1
23	26°23.4'N	078°22.5'W	OVC		10	100	16	1021.5	2	090	2-3	26.8	24.1	21.8

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DECK LOG – WEATHER OBSERVATION SHEET

NOAA Ship		OKEANOS EXPLORER (R-337)		TIME ZONE	- 5		DAY OF WEEK	SUNDAY		DATE (dd mmm yyyy)	09 DEC 2018			
TIME	POSITION		SKY CON-DITION	PRESENT WEATHER	VISI-BILITY (nm)	WIND		SEA LEVEL Press. (mb)	SEA WAVE Height (ft)	SWELL WAVES		TEMPERATURE (°C)		
	LATITUDE	LONGITUDE				Dir. (true)	Speed (kts)			Dir. (true)	Height (ft)	SEA WATER	DRY BULB	WET BULB
00	26° 27.2' N	078° 30.3' W	OVC		10	180	18	1020.9	2	090	2-3	26.8	24.5	20.5
01	26° 26.8'	078° 25.4'	BKN		10	115	17	1019.7	2	090	2-3	26.8	24.5	20.5
02	26° 23.3'	078° 17.4'	BKN		10	115	16	1019.2	2	090	2-3	26.8	24.4	20.8
03	26° 19.8'	078° 09.3'	OVC	DZ-	10	095	13	1018.7	2	090	2-3	26.7	23.9	21.5
04	26° 15.9'	078° 01.3'	BKN	RA	10	085	11	1018.2	2	090	2-3	26.7	24.0	22.1
05	26° 11.6'	077° 52.4'	SCT	RA VC	10	160	13	1017.4	1-2	140	1-3	26.7	24.9	23.0
06	26° 09.1'	077° 47.3'	SCT		10	170	19	1017.2	1-2	160	2-3	26.8	25.6	23.0
07	26° 05.4'	077° 39.6'	SCT		10	170	18	1017.3	1-2	160	1-3	26.8	25.6	23.1
08	26° 08.0' N	077° 38.4' W	BKN		10	170	16	1017.8	2	160	2-3	26.7	26.1	23.8
09	26° 12.2' N	077° 46.7' W	BKN		10	170	17	1018.0	2	160	2-3	26.8	26.3	24.2
10	26° 15.9' N	077° 54.3' W	SCT		10	180	13	1018.1	2	160	2-3	26.7	26.8	24.8
11	26° 19.8' N	078° 02.1' W	SCT		10	200	19	1017.9	2	160	2-3	26.7	26.9	25.0
12	26° 23.6'	078° 10.5'	SCT		10	200	22	1017.3	2-3	200	3-5	26.7	26.1	23.3
13	26° 27.1'	078° 19.3'	BKN		10	190	22	1015.4	2-3	200	3-5	26.7	26.3	22.9
14	26° 29.9'	078° 27.5'	OVC		10	190	28	1014.7	2-3	190	3-5	26.8	25.8	23.4
15	26° 30.4'	078° 24.7'	OVC		10	210	23	1015.1	2-3	190	3-5	26.8	26.1	23.9
16	26° 28.0'	078° 14.4'	OVC		10	210	24	1014.3	2-3	180	3-5	26.8	25.0	23.8
17	26° 23.8'	078° 11.9'	BKN		10	215	23	1014.3	2-3	210	3-5	26.7	25.8	23.9
18	26° 16.8'	078° 20.9'	BKN		10	215	23	1014.4	2-3	210	3-5	26.8	25.8	24.1
19	26° 10.8'	078° 28.8'	SCT		10	220	21	1014.3	2-3	220	3-5	26.8	25.8	23.4
20	26° 09.5'	078° 39.4'	FEW		10	210	21	1014.6	2-3	220	3-5	26.8	25.9	23.9
21	26° 14.3'	078° 49.1'	FEW		10	210	21	1014.6	2-3	220	3-5	26.8	26.1	23.4
22	26° 15.8'	078° 57.6'	SCT		10	220	22	1014.3	2-3	220	3-5	27.0	26.5	23.7
23	26° 19.2'	079° 07.0'	SCT		10	245	22	1014.8	2-3	220	3-5	27.1	25.6	21.9

DECK LOG – WEATHER OBSERVATION SHEET

NOAA Ship		OKEANOS EXPLORER (R-337)		TIME ZONE	-5		DAY OF WEEK	MONDAY		DATE (dd mmm yyyy)	10 DEC 2018			
TIME	POSITION		SKY CON-DITION	PRESENT WEATHER	VISI-BILITY (nm)	WIND		SEA LEVEL Press. (mb)	SEA WAVE Height (ft)	SWELL WAVES		TEMPERATURE (°C)		
	LATITUDE	LONGITUDE				Dir. (true)	Speed (kts)			Dir. (true)	Height (ft)	SEA WATER	DRY BULB	WET BULB
00	26° 23.6'	079° 13.8'	SCT		10	260	20	1014.6	2-3	220	3-5	27.1	24.5	21.3
01	26° 29.6'	079° 21.8'	BKN		10	275	24	1014.4	2-3	220	3-5	27.3	23.8	20.8
02	26° 37.0'	079° 28.1'	BKN		10	280	23	1014.1	2-3	220	3-5	27.4	23.6	20.8
03	26° 47.5'	079° 28.7'	BKN		10	290	24	1013.8	2-3	220	3-5	27.4	23.0	20.6
04	26° 58.5'	079° 30.8'	SCT		10	275	26	1014.2	2-4	270	4-6	27.4	22.1	19.2
05	27° 09.1'	079° 32.9'	SCT		10	280	25	1014.3	2-4	270	4-6	27.4	21.2	17.7
06	27° 20.6'	079° 34.7'	SCT		10	275	28	1014.5	2-4	270	4-6	27.3	20.8	17.3
07	27° 30.3'	079° 35.0'	OVC		10	280	25	1015.2	2-4	295	4-6	27.3	20.4	17.0
08	27° 38.7'N	079° 35.1'W	BKN		10	270	22	1016.4	3-4	310	4-5	27.3	19.5	16.3
09	27° 45.6'N	079° 35.2'W	BKN		10	290	24	1017.6	3-4	310	4-5	27.3	18.0	16.0
10	27° 52.3'N	079° 35.3'W	BKN		10	270	24	1018.3	3-4	310	4-5	27.3	18.1	16.0
11	27° 58.9'N	079° 35.4'W	BKN		10	270	23	1018.2	3-4	310	4-5	27.3	17.8	15.8
12	28° 06.4'	079° 32.6'	BKN		10	280	20	1018.2	3-4	310	4-5	27.0	17.1	13.8
13	28° 14.3'	079° 30.1'	BKN		10	270	21	1017.5	3-4	300	4-6	27.0	16.5	13.2
14	28° 21.9'	079° 27.7'	BKN		10	280	24	1017.2	3-4	300	4-6	27.0	16.1	12.9
15	28° 31.0'	079° 24.9'	BKN		10	280	24	1017.2	3-4	300	4-6	27.1	15.9	12.6
16	28° 35.0'	079° 23.7'	OVC		10	280	27	1017.4	3-4	310	4-6	27.1	15.6	12.8
17	28° 42.7'	079° 21.3'	BKN		10	270	27	1017.8	3-4	310	4-6	27.1	15.9	12.7
18	28° 50.4'	079° 19.5'	OVC		10	270	24	1018.0	3-4	310	4-6	27.0	15.9	12.7
19	28° 56.9'	079° 20.0'	OVC		10	270	25	1018.5	3-4	310	4-6	26.8	15.1	12.4
20	29° 06.0'	079° 20.5'	OVC		10	290	20	1018.8	3-4	310	4-6	26.3	15.1	11.7
21	29° 14.4'	079° 21.0'	OVC		10	260	21	1019.0	3-4	310	4-6	26.5	15.6	12.1
22	29° 25.8'	079° 21.6'	OVC		10	260	20	1019.5	3-4	310	4-6	26.7	14.9	11.5
23	29° 29.3'	079° 21.6'	OVC		10	290	22	1019.3	3-4	310	4-6	26.5	14.9	11.7

DECK LOG – WEATHER OBSERVATION SHEET

NOAA Ship		OKEANOS EXPLORER (R-337)		TIME ZONE	-5		DAY OF WEEK	TUESDAY		DATE (dd mmm yyyy)	11 DEC 2018			
TIME	POSITION		SKY CON-DITION	PRESENT WEATHER	VISI-BILITY (nm)	WIND		SEA LEVEL Press. (mb)	SEA WAVE Height (ft)	SWELL WAVES		TEMPERATURE (°C)		
	LATITUDE	LONGITUDE				Dir. (true)	Speed (kts)			Dir. (true)	Height (ft)	SEA WATER	DRY BULB	WET BULB
00	29° 37.0'	079° 21.7'	OVC		10	290	25	1019.1	3-4	310	4-6	26.4	15.0	11.8
01	29° 45.0'	079° 21.7'	BKN		10	280	22	1019.0	3-4	310	5-6	26.2	14.3	10.5
02	29° 52.3'	079° 21.7'	OVC		10	290	22	1018.9	3-4	310	5-6	26.2	14.2	10.9
03	29° 59.6'	079° 20.2'	BKN		10	290	25	1018.6	3-4	310	5-6	26.3	14.3	10.5
04	30° 06.9'	079° 18.1'	OVC		10	285	26	1018.9	3-4	310	5-6	26.2	13.9	10.2
05	30° 14.7'	079° 15.6'	OVC		10	290	24	1018.8	3-4	310	5-6	26.0	13.5	10.4
06	30° 21.1'	079° 10.7'	OVC		10	295	21	1019.1	3-4	310	5-6	26.1	13.1	10.3
07	30° 27.4'	079° 06.0'	OVC	DZ	10	300	26	1019.4	3-4	315	5-6	26.0	12.9	10.1
08	30° 35.1'N	079° 00.2'W	OVC	VC	10	280	23	1020.2	3-5	300	5-6	26.2	13.4	10.2
09	30° 42.2'N	078° 54.8'W	OVC	BR, RA	10	290	20	1020.3	3-5	290	5-6	26.1	14.4	12.7
10	30° 48.9'N	078° 49.8'W	OVC	VC	8	300	28	1020.8	3-5	290	5-6	25.8	11.3	9.2
11	30° 55.5'N	078° 44.7'W	OVC	VC	10	290	28	1020.2	4-6	290	5-6	25.9	13.8	12.1
12	31° 02.8'	078° 41.2'	OVC	VC RA	10	320	34	1020.2	4-6	290	8-10	25.8	12.8	11.5
13	31° 06.7'	078° 41.0'	OVC		10	320	29	1020.6	4-6	290	8-10	26.1	13.1	10.5
14	31° 10.8'	078° 40.8'	SCT		10	320	28	1020.3	4-6	340	10-12	26.2	13.0	9.7
15	31° 14.7'	078° 40.8'	SCT		10	340	26	1020.5	4-6	340	10-12	26.3	13.4	9.1
16	31° 18.8'	078° 40.5'	CLR		10	325	24	1021.2	4-6	340	10	26.6	13.4	9.2
17	31° 22.5'	078° 40.2'	CLR		10	330	23	1021.6	4-6	340	10	26.6	13.7	8.6
18	31° 28.5'	078° 39.6'	CLR		10	310	25	1022.1	3-5	345	8-10	26.2	13.8	9.2
19	31° 33.5'	078° 38.1'	CLR		10	310	17	1023.0	3-5	345	7-10	26.2	13.9	9.3
20	31° 39.9'	078° 35.7'	CLR		10	330	18	1023.2	3-5	345	7-10	26.1	14.2	9.7
21	31° 45.2'	078° 33.2'	CLR		10	320	14	1023.6	2-4	345	6-8	25.8	14.5	9.8
22	31° 48.3'	078° 24.3'	CLR		10	320	15	1023.8	2-4	240	5-7	24.3	14.5	8.8
23	31° 50.6'	078° 11.0'	CLR		10	310	16	1024.0	2-4	240	5-7	24.6	14.8	9.8

0820 WATERSPOUT OBSERVED STBD BEAM

DECK LOG – WEATHER OBSERVATION SHEET

NOAA Ship		OKEANOS EXPLORER (R-337)		TIME ZONE	-5		DAY OF WEEK	WEDNESDAY		DATE (dd mmm yyyy)			12 DEC 2018		
TIME	POSITION		SKY CON-DITION	PRESENT WEATHER	VISI-BILITY (nm)	WIND		SEA LEVEL Press. (mb)	SEA WAVE Height (ft)	SWELL WAVES		TEMPERATURE (°C)			
	LATITUDE	LONGITUDE				Dir. (true)	Speed (kts)			Dir. (true)	Height (ft)	SEA WATER	DRY BULB	WET BULB	
00	31° 52.3' N	078° 02.1' W	CLR		10	310	11	1023.9	2-4	240	5-6	24.5	14.9	10.0	
01	31° 54.3' N	077° 50.8' W	CLR		10	300	13	1023.7	2-4	240	5-6	24.3	15.3	9.6	
02	31° 56.3' N	077° 39.5' W	CLR		10	300	12	1023.1	2-4	240	5-6	24.4	15.2	10.2	
03	31° 59.9' N	077° 30.3' W	CLR		10	270	11	1023.1	2-4	340	6-9	24.2	15.5	10.2	
04	32° 04.2' N	077° 26.1' W	CLR		10	290	11	1022.8	2-4	340	4-6	24.3	15.6	10.5	
05	32° 09.9' N	077° 22.1' W	CLR		10	290	14	1022.6	2-4	350	4-7	24.3	15.8	11.2	
06	32° 17.6' N	077° 18.1' W	FEW		10	280	16	1022.5	2-4	030	4-6	25.8	16.1	11.0	
07	32° 23.1' N	077° 15.1' W	FEW		10	275	16	1023.5	2-4	030	4-6	26.1	16.3	11.6	
08	32° 28.7' N	077° 09.6' W	FEW		10	280	13	1024.1	2-3	030	4-5	26.0	16.8	12.8	
09	32° 25.8' N	077° 01.3' W	FEW		10	290	15	1025.1	2-3	030 350	4-5 2-3	26.3	17.3	12.5	
10	32° 22.0' N	076° 50.5' W	FEW		10	290	15	1024.8	2	030 350	3-5 2	26.4	18.0	14.0	
11	32° 18.2' N	076° 39.5' W	FEW		10	290	15	1024.5	2	030	3-4	26.3	18.2	13.9	
12	32° 14.6' N	076° 28.9' W	FEW		10	310	10	1024.5	2	030	3-4	26.0	19.3	12.8	
13	32° 14.2' N	076° 27.3' W	FEW		10	295	11	1023.4	2	030	3-4	25.8	20.0	13.1	
14	OPS														
15	32° 12.0' N	076° 27.8' W	SCT		10	300	10	1022.2	1-2	290	2-4	26.1	18.4	11.4	
16	32° 10.0' N	076° 37.4' W	SCT		10	290	11	1022.5	1-3	265	2-4	25.9	18.6	11.4	
17	32° 07.8' N	076° 47.4' W	SCT		10	310	10	1022.2	1-3	270	2-4	25.3	18.8	10.9	
18	32° 05.8' N	076° 57.0' W	SCT		10	285	14	1023.2	1-3	075	3-4	26.4	18.6	11.2	
19	32° 04.0' N	077° 05.8' W	BKN		10	270	11	1023.6	1-3	070	3-4	26.3	18.6	11.8	
20	32° 02.1' N	077° 14.4' W	BKN		10	290	13	1023.9	1-3	070	3-4	26.5	18.6	11.7	
21	32° 00.5' N	077° 22.2' W	BKN		10	270	16	1024.5	1-3	070	3-4	26.1	18.7	11.1	
22	31° 58.8' N	077° 30.2' W	FEW		10	270	9	1024.7	1-2	070	3-4	25.8	18.5	12.2	
23	OPS														

DECK LOG – WEATHER OBSERVATION SHEET

NOAA Ship <i>OKEANOS EXPLORER (R-337)</i>			TIME ZONE <i>-5</i>	DAY OF WEEK <i>THURSDAY</i>	DATE (dd mmm yyyy) <i>13 DEC 2018</i>									
TIME	POSITION		SKY CON-DITION	PRESENT WEATHER	VISI-BILITY (nm)	WIND		SEA LEVEL Press. (mb)	SEA WAVE Height (ft)	SWELL WAVES		TEMPERATURE (°C)		
	LATITUDE <i>N</i>	LONGITUDE <i>W</i>				Dir. (true)	Speed (kts)			Dir. (true)	Height (ft)	SEA WATER	DRY BULB	WET BULB
00	31° 57.7'	077° 44.7'	FEW		10	263	12	1025.2	1-2	070	3-4	25.2	18.3	11.2
01	31° 57.9'	077° 54.3'	FEW		10	270	7	1024.6	1-2	070	3-4	24.6	18.2	11.0
02	31° 58.2'	078° 04.0'	FEW		10	270	8	1025.0	1-2	070	3-4	24.2	18.1	11.0
03	31° 57.0'	077° 56.1'	SCT		10	340	6	1024.7	1-2	070	3-4	24.3	18.0	10.9
04	31° 56.7'	077° 46.8'	SCT		10	280	7	1024.5	1	030	2-3	24.6	18.1	11.0
05	31° 56.5'	077° 37.5'	SCT		10	295	7	1024.9	1	040	2-3	24.6	18.2	11.4
06	31° 55.3'	077° 42.2'	SCT		10	255	7	1025.2	1	040	2-3	26.0	18.3	11.1
07	31° 55.5'	077° 51.0'	FEW		10	320	6	1025.3	1	050	2-3	25.9	18.4	11.6
08	31° 55.7'N	078° 00.6'W	SCT		10	320	3	1026.6	<1	060	2-3	25.1	18.4	11.5
09	31° 54.5'N	078° 02.2'W	SCT		10	350	5	1027.2	<1	060	2-3	24.6	17.6	13.0
10	31° 54.3'N	077° 52.9'W	SCT		10	000	6	1027.4	1	070	2-4	24.6	18.9	13.3
11	31° 54.0'N	077° 43.6'W	SCT		10	030	5	1027.2	1	070	2-4	25.7	18.1	13.1
12	31° 52.6'	077° 39.1'	SCT		10	350	5	1026.8	1	070	2-4	26.4	19.8	13.2
13	31° 52.7'	077° 47.7'	SCT		10	350	5	1025.4	1	070	2-4	26.0	20.0	13.5
14	31° 53.2'	077° 55.9'	SCT		10	064	6	1025.4	1	070	2-4	26.0	20.0	13.8
15	31° 52.5'	078° 05.1'	SCT		10	060	8	1025.2	1-2	080	2-4	24.6	20.4	14.4
16	31° 51.9'	077° 58.1'	SCT		10	075	14	1024.5	1-2	080	2-4	24.5	20.7	15.1
17	31° 51.6'	077° 49.4'	SCT		10	075	15	1024.3	1-2	080	2-4	24.5	20.8	15.2
18	31° 51.2'	077° 38.7'	SCT		10	108	11	1024.6	1-2	080	2-4	25.7	21.6	15.0
19	31° 50.1'	077° 45.8'	SCT		10	115	14	1025.1	1-2	080	2-4	26.5	21.9	15.7
20	31° 50.6'	077° 53.8'	SCT		10	130	16	1025.2	1-2	080	2-4	26.0	22.0	16.0
21	31° 50.9'	078° 02.4'	SCT		10	130	17	1025.1	1-2	080	2-4	24.2	22.1	16.8
22	31° 49.7'	078° 03.0'	OVC		10	130	20	1024.6	2-3	080	3-5	24.6	22.3	17.2
23	31° 51.4'	078° 00.3'	BKN		10	140	23	1023.7	2-3	080	3-5	24.6	22.5	17.0