

### DECK LOG – WEATHER OBSERVATION SHEET

NOAA Ship <i>OCEANUS EXPLORER (R-337)</i>				TIME ZONE <i>-4</i>		DAY OF WEEK <i>TUESDAY</i>		DATE (dd mmm yyyy) <i>30 OCT 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														
01														
02														
03														
04														
05														
06														
07														
08														
09														
10														
11	<i>18°32.1</i>	<i>066°02.4</i>	<i>FEW</i>		<i>10</i>	<i>090</i>	<i>4</i>	<i>1015.1</i>	<i>&lt;1</i>	<i>030</i>	<i>1-2</i>	<i>—</i>	<i>27.1</i>	<i>22.6</i>
12	<i>18°31.7</i>	<i>065°50.60</i>	<i>FEW</i>		<i>10</i>	<i>110</i>	<i>3.6</i>	<i>1014.3</i>	<i>&lt;1</i>	<i>030</i>	<i>1-2</i>	<i>—</i>	<i>27.1</i>	<i>22.8</i>
13	<i>18°31.2</i>	<i>065°40.8</i>	<i>FEW</i>		<i>10</i>	<i>114</i>	<i>3.3</i>	<i>1013.7</i>	<i>&lt;1</i>	<i>035</i>	<i>2-4</i>	<i>28.7</i>	<i>27.4</i>	<i>22.4</i>
14	<i>18°29.9</i>	<i>065°28.5</i>	<i>FEW</i>		<i>10</i>	<i>295</i>	<i>1.0</i>	<i>1013.2</i>	<i>&lt;1</i>	<i>035</i>	<i>2-4</i>	<i>28.7</i>	<i>28</i>	<i>22.3</i>
15	<i>18°31.3</i>	<i>065°20.</i>	<i>FEW</i>		<i>10</i>	<i>330</i>	<i>5.0</i>	<i>1013.0</i>	<i>&lt;1</i>	<i>035</i>	<i>2-4</i>	<i>28.3</i>	<i>27.9</i>	<i>22.3</i>
16	<i>18°31.1N</i>	<i>065°12.8W</i>	<i>FEW</i>		<i>10</i>	<i>020</i>	<i>4</i>	<i>1013.2</i>	<i>&lt;1</i>	<i>035</i>	<i>2-4</i>	<i>28.8</i>	<i>28.0</i>	<i>22.5</i>
17	<i>18°12.0N</i>	<i>065°10.1W</i>	<i>SCT</i>		<i>10</i>	<i>030</i>	<i>6</i>	<i>1013.9</i>	<i>&lt;1</i>	<i>035</i>	<i>2-4</i>	<i>29.2</i>	<i>28.2</i>	<i>22.7</i>
18	<i>18°12.0N</i>	<i>065°10.1W</i>	<i>SCT</i>		<i>10</i>	<i>030</i>	<i>6</i>	<i>1013.9</i>	<i>&lt;1</i>	<i>035</i>	<i>2-4</i>	<i>29.2</i>	<i>28.2</i>	<i>22.7</i>
19	<i>18°02.2N</i>	<i>065°12.2W</i>	<i>FEW</i>		<i>10</i>	<i>045</i>	<i>7</i>	<i>1014.0</i>	<i>&lt;1</i>	<i>VAR.</i>	<i>1-3</i>	<i>29.1</i>	<i>28.2</i>	<i>22.8</i>
20	<i>17°52.9'</i>	<i>065°13.0</i>	<i>FEW</i>		<i>10</i>	<i>029</i>	<i>6</i>	<i>1014.6</i>	<i>&lt;1</i>	<i>VAR.</i>	<i>1-3</i>	<i>29.2</i>	<i>28.1</i>	<i>23.2</i>
21	<i>17°44.7'</i>	<i>065°13.3</i>	<i>FEW</i>		<i>10</i>	<i>072</i>	<i>9</i>	<i>1014.7</i>	<i>&lt;1</i>	<i>VAR.</i>	<i>1-3</i>	<i>29.0</i>	<i>28.2</i>	<i>23.3</i>
22	<i>17°36.2'</i>	<i>065°13.6</i>	<i>FEW</i>		<i>10</i>	<i>078</i>	<i>10</i>	<i>1015.1</i>	<i>&lt;1</i>	<i>VAR.</i>	<i>1-3</i>	<i>28.9</i>	<i>28.0</i>	<i>23.7</i>
23	<i>17°27.1'</i>	<i>065°13.9</i>	<i>FEW</i>		<i>10</i>	<i>077</i>	<i>10</i>	<i>1015.0</i>	<i>&lt;1</i>	<i>VAR.</i>	<i>1-3</i>	<i>29.0</i>	<i>28.0</i>	<i>23.7</i>

*0000-1000 INPORT*

### DECK LOG – WEATHER OBSERVATION SHEET

NOAA Ship **OKEANOS EXPLORER (R-337)**      TIME ZONE **-4**      DAY OF WEEK **WEDNESDAY**      DATE (dd mmm yyyy) **31 OCT 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 <i>N</i>	LONGITUDE <i>W</i>				Dir. (true)	Speed (kts)			Dir. (true)	Height (ft)	SEA WATER	DRY BULB	WET BULB
00	17° 21.8'	065° 11.5'	SCT		10	085	10	1015.0	<1	CONF	1-3	28.9	28.4	25.2
01	17° 30.5'	065° 11.2'	SCT		10	075	8	1014.6	<1	CONF	1	29.0	28.2	25.0
02	17° 39.2'	065° 10.8'	SCT		10	075	10	1014.1	<1	CONF	1	28.9	28.2	24.7
03	17° 47.9'	065° 10.4'	SCT		10	050	10	1014.2	<1	030	1	28.8	27.7	24.9
04	17° 55.0' N	065° 10.1' W	BKN		10	060	10	1014.0	<1	030	1	28.9	27.3	23.5
05	18° 02.3' N	065° 09.8' W	BKN	RA	10	215	11	1014.3	<1	030	1	28.8	25.0	23.5
06	18° 07.6' N	065° 08.2' W	SCT		10	050	7	1015.5	<1	080	1	28.9	27.2	23.1
07	18° 08.0' N	065° 07.8'	FEW		10	075	8	1015.1	<1	080	1-2	29.0	27.7	23.7
08	18° 07.8'	065° 08.1'	FEW		10	105	9	1015.7	<1	080	1-2	28.9	27.9	23.5
09	18° 07.8'	065° 08.1'	FEW		10	065	7	1016.5	1	080	1-2	28.9	27.8	23.7
10	18° 08.1'	065° 08.0'	SCT		10	090	7	1017.1	<1	080	1-2	28.9	27.8	24.0
11	18° 07.8'	065° 07.9'	FEW		10	<del>070</del> 077	4	1017.1	1	040	1-2	28.9	28.7	24.4
12	18° 08.7'	065° 08.4'	FEW		10	58.06	4	1016.3	<1	350	1-2	29	28.1	24.3
13	18° 07.3'	065° 09.8'	FEW		10	82.4	4	1015.8	<1	000	1-3	28.8	29.9	25.0
14	18° 07.7'	065° 09.8'	FEW		10	075	4	1014.8	<1	000	1-3	29.5	28.2	24.5
15	18° 07.0'	065° 09.7'	FEW		10	98.8	6.5	1014.2	<1	000	1-3	29.4	28	24.1
16	18° 07.6' N	065° 08.8' W	SCT		10	080	6	1014.3	<1	000	1-3	29.3	28.1	24.1
17	18° 07.9' N	065° 07.5' W	SCT		10	040	6	1014.0	<1	000	1-3	29.3	28.2	24.2
18	18° 03.6' N	065° 11.7' W	BKN		10	050	7	1015.4	<1	000	1-3	29.2	28.2	24.5
19	18° 57.1' N	065° 10.1' W	BKN		10	060	10	1015.6	<1	CONF	1-2	29.2	28.1	24.4
20	17° 48.1'	065° 20.7'	BKN		10	067	11	1016.1	<1	CONF	1-2	28.9	28.1	24.9
21	17° 38.7'	065° 20.9'	BKN		10	075	14	1016.5	<1	CONF	1-2	28.8	28.0	24.9
22	17° 29.8'	065° 20.8'	BKN		10	078	14	1016.5	<1	CONF	1-2	28.8	28.1	24.7
23	17° 21.1'	065° 18.7'	BKN		10	072	14	1016.3	<1	CONF	1-2	28.7	28.1	24.3



### DECK LOG – WEATHER OBSERVATION SHEET

NOAA Ship		OKEANOS EXPLORER (R-337)		TIME ZONE	-4		DAY OF WEEK	THURSDAY		DATE (dd mmm yyyy)	01 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	LONGITUDE				Dir. (true)	Speed (kts)			Dir. (true)	Height (ft)	SEA WATER	DRY BULB	WET BULB
00	17° 29.5' N	065° 17.5' W	SCT		10	090	14	1015.9	<1	CONF	1-2	28.8	28.7	25.5
01	17° 38.9' N	065° 17.3' W	SCT		10	080	14	1015.8	<1	CONF	1-2	28.9	28.4	25.5
02	17° 48.3' N	065° 17.0' W	SCT		10	090	13	1015.2	1	CONF	1-2	28.9	27.9	25.4
03	17° 51.8' N	065° 10.6' W	SCT		10	090	14	1014.8	1	CONF	1-2	29.0	28.4	24.9
04	17° 56.9' N	065° 04.6' W	CLR		10	110	12	1014.9	1	CONF	1-2	29.0	27.8	23.8
05	18° 04.3' N	065° 04.2' W	FEW		10	070	10	1014.8	1	050	1-2	28.9	27.7	23.8
06	18° 09.2' N	065° 00.4' W	SCT		10	090	10	1015.3	1	085	2	28.9	27.7	23.8
07	18° 09.8' N	064° 59.5' W	SCT		10	060	9	1016.1	1	085	2	29.0	27.5	24.1
08	18° 09.7' N	064° 59.6' W	SCT		10	060	10	1016.8	1	070	2	28.9	27.7	24.2
09	18° 09.8' N	064° 59.4' W	SCT		10	060	11.5	1017.4	1-2	080	2	29.0	28.3	24.0
10	18° 09.8' N	064° 59.4' W	SCT		10	085	12	1017.6	2	080	2	28.9	28.4	24.4
11	18° 09.8' N	064° 59.4' W	SCT		10	090	12	1017.6	2	070	3	29.0	28.5	24.6
12	18° 09.9' N	064° 59.4' W	SCT		10	72.3	12	1017.1	1-2	090	1-3	29.0	28.3	24.4
13	18° 09.9' N	064° 59.4' W	SCT		10	085	10	1015.9	1-2	090	1-3	29.2	28.4	24.2
14	18° 09.9' N	064° 59.6' W	FEW		10	070	11.5	1015.4	1-2	090	2-3	29.2	28.3	24.3
15	18° 10.1' N	064° 59.7' W	FEW		10	070	12	1014.8	1-2	090	2-3	29.2	28.4	24.7
16	18° 10.1' N	064° 59.7' W	SCT		10	075	11	1014.6	1-2	090	2-3	29.2	28.4	24.5
17	18° 09.9' N	064° 59.2' W	SCT		10	070	13	1014.7	1-2	090	2-3	29.2	28.5	24.5
18	18° 04.6' N	065° 01.1' W	SCT		10	075	13	1014.7	1-2	090	2-3	29.1	28.2	24.6
19	18° 01.4' N	064° 55.8' W	SCT		10	060	13	1015.2	1-2	090	2-3	29.3	28.2	24.7
20	18° 02.1' N	064° 43.7' W	SCT		10	060	14	1016.2	1-2	090	2-3	29.0	28.2	24.8
21	18° 01.0' N	064° 36.3' W	SCT		10	046	17	1016.4	1-2	090	2-3	29.0	28.2	24.7
22	17° 58.5' N	064° 27.7' W	SCT		10	046	18	1016.5	1-2	090	2-3	28.9	28.2	24.5
23	17° 56.2' N	064° 19.7' W	SCT		10	047	18	1016.4	1-2	090	2-3	28.9	28.1	24.4

### DECK LOG – WEATHER OBSERVATION SHEET

NOAA Ship		OKEANOS EXPLORER (R-337)		TIME ZONE	DAY OF WEEK	DATE (dd mmm yyyy)								
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	17° 56.1'	064° 12.1'	SCT		10	065	19	1016.4	1-2	090	2-3	29.0	<del>28.5</del> 26.0	<del>25.0</del> 24.0
01	17° 57.1'	064° 04.1'	SCT		10	080	15	1016.0	2	090	3-4	28.8	28.4	24.6
02	17° 55.0'	064° 05.4'	FEW	LTG VC	10	080	15	1015.7	2	090	3-4	28.9	27.8	24.2
03	17° 50.1'	064° 12.5'	FEW	LTG VC	10	075	17	1015.1	2	090	3-4	29.0	27.7	24.0
04	17° 49.0N	064° 19.1W	FEW	LTG RA	10	080	15	1015.3	2	090	3-4	28.8	27.9	23.9
05	17° 50.8N	064° 28.6W	SCT	LTG RA	10	<del>080</del> 120	14	1015.3	2	090	3-4	28.9	26.9	24.0
06	17° 50.3N	064° 37.3	SCT	RA VC	10	070	14	1015.4	1-2	080	3-4	28.9	28.0	24.7
07	17° 50.6	064° 37.0	FEW		10	080	17	1015.9	2-3	080	3-4	28.9	27.8	24.5
08	17° 50.6'	064° 37.0	FEW		10	065	17	1016.8	2-3	080	4-5	28.9	28.2	24.3
09	17° 50.7'	064° 36.8	SCT		10	070	20	1017.4	2-3	080	4-5	28.9	28.4	24.2
10	17° 50.7'	064° 36.8	SCT		10	070	19	1017.5	2-3	080	4-5	28.9	28.4	24.2
11	17° 50.7'	064° 36.8	BKN	RA VC	10	075	18	1017.7	2-3	080	4-5	28.9	28.5	24.1
12	17° 50.6	064° 36.8	SCT		10	82.5	20	1016.7	1-3	080	2-4	28.9	28.3	23.7
13	17° 50.5	064° 36.8	SCT		10	67.4	18.6	1016.1	1-3	<del>080</del> 045	2-4	28.9	28.3	24.4
14	17° 50.4	064° 36.8	SCT		10	63.7	18.1	1015.4	1-3	065	2-4	29	28.1	24.4
15														
16	17° 50.4N	064° 36.6W	SCT		10	060	24	1014.5	2-3	075	5-6	29.0	27.8	24.6
17	17° 50.9N	064° 36.2W	OVC SC	RA SQ	10	060	24	1014.8	2-3	075	6-7	29.0	25.8	24.0
18	17° 53.5N	064° 27.3W	OVC	RA	10	060	22	1014.5	2-3	075	7-8	29.0	25.2	24.0
19	17° 53.6N	064° 27.2W	OVC		8	080	22	1014.7	2-3	075	7-8	28.9	28.5	23.7
20	17° 51.9'	064° 16.3'	OVC		8	048	18	1015.3	2-3	075	7-8	28.8	27.5	25.1
21	17° 48.7'	064° 13.0'	OVC		10	061	20	1015.8	2-3	075	7-8	28.7	28.1	24.2
22	17° 34.3'	064° 10.5'	OVC		10	057	22	1015.9	2-3	075	7-8	28.7	28.2	23.5
23	17° 26.4'	064° 08.5'	OVC		10	064	23	1015.8	2-3	075	7-8	28.8	28.3	24.5



### DECK LOG - WEATHER OBSERVATION SHEET

NOAA Ship **OKEANOS EXPLORER (R-337)** TIME ZONE **-4** DAY OF WEEK **SATURDAY** DATE (dd mmm yyyy) **03 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 <i>N</i>	LONGITUDE <i>W</i>				Dir. (true)	Speed (kts)			Dir. (true)	Height (ft)	SEA WATER	DRY BULB	WET BULB
00	17°17.8'	064°06.3'	SCT		10	060	20	1015.4	3-4 <del>7-8</del>	075	7-8	28.7	28.1	23.7
01	17°08.9'	064°05.0'	SCT		10	045	17	1014.7	3-4	075	7-8	28.8	28.1	23.2
02	16°59.5'	064°04.6'	SCT		10	045	17	1014.4	3-4	075	7-8	28.9	28.1	23.7
03	16°59.4'	064°07.2'	BKN	RA VC	10	105	15	1013.1	3-4	075	7-8	28.9	25.8	24.5
04	17°05.7' N	064°07.4' W	BKN		10	080	22	1012.7	3-4	075	7-8	28.9	28.0	24.1
05	17°14.7' N	064°07.9' W	OVC	RA+	8	*075	22	1013.2	3-4	<del>075</del>	8	28.7	27.5	24.1
06	17°21.0' N	064°09.4' W	BKN		10	075	23	1013.4	3-4	070	7-8	28.7	27.9	24.6
07	17°23.4' N	064°10.1' W	BKN		10	075	21	1014.7	3-4	060	6-8	28.7	28.1	23.7
08	17°23.4'	064°10.2'	BKN		10	070	24	1015.2	3-4	060	7-8	28.7	27.7	24.5
09	17°23.3'	064°10.3'	OVC		10	080	20	1016.2	3-4	060	6-7	28.8	27.9	24.2
10	17°17.9'	064°10.3'	OVC		10	060	20	1016.7	2-4	060	5-7	28.7	28.1	24.5
11	17°09.7'	064°09.1'	BKN		10	050	15	1016.6	2-3	065	5-7	28.7	27.2	24.7
12	17°05.4'	064°08.9'	BKN		10	034	12	1015.6	2-3	065	4-6	28.8	27.5	25
13	16°56.4'	064°08.5'	OVC		10	31	16	1015.6	1-2	080	2-4	28.7	24.7	24.2
14	16°48.4'	064°08.1'	OVC		10	054	14.8	1014.3	1-2	055	2-4	28.7	28.7	23.6
15	16°55.4'	064°06.0'	OVC		10	95.4	13	1014	1-2	045	2-4	28.7	26.9	24.7
16	16°54.2' N	064°03.7' W	OVC		10	060	10	1014.1	1-2	045	<del>4-8</del>	28.7	24.7	23.9
17	16°46.4' N	064°04.5' W	OVC	LTG VC	10	030	11	1014.2	1-2	045	<del>4-8</del>	28.7	24.7	23.2
18	16°47.3' N	064°10.7' W	OVC	LTG VC	10	050	*12	1014.3	1-2	045	4-6	28.7	26.9	24.6
19	16°54.3' N	064°10.9' W	OVC	LTG VC	10	075	27	1013.4	1-2	045	4-6	28.7	27.1	24.1
20	17°03.9'	064°11.4'	OVC	LTG VC	10	072	21	1014.3	1-2	045	4-6	28.7	27.4	25.0
21	17°12.4'	064°11.8'	OVC	LTG VC	10	077	25	1014.7	1-2	045	4-6	28.6	27.1	24.5
22	17°14.9'	064°19.3'	OVC	LTG VC	10	<del>274</del> <sup>070</sup>	22	1016.1	1-2	045	4-6	28.6	27.9	24.4
23	17°14.9'	064°30.5'	OVC	LTG VC	10	070	22	1015.6	1-2	045	4-6	28.6	27.9	24.1

\* 40 KT GUST OF WIND → 0500  
\* 1900 20 KT GUST OF WIND.



### DECK LOG – WEATHER OBSERVATION SHEET

NOAA Ship **OKEANOS EXPLORER (R-337)**      TIME ZONE **-4**      DAY OF WEEK **SUNDAY**      DATE (dd mmm yyyy) **04 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 <i>N</i>	LONGITUDE <i>W</i>				Dir. (true)	Speed (kts)			Dir. (true)	Height (ft)	SEA WATER	DRY BULB	WET BULB
00	17° 14.9'	064° 41.3'	BKN	LTG VC	10	075	26	1015.0	2-3	070	4-6	28.8	28.1	24.8
01	17° 16.2'	064° 51.4'	OVC	LTG VC	10	090	22	1014.9	2-3	070	4-6	28.8	28.2	24.3
02	17° 17.9'	064° 58.4'	OVC	LTG VC	10	075	25	1014.3	2-3	070	4-6	28.7	28.3	23.9
03	17° 22.6'	064° 52.2'	BKN	LTG VC	10	075	21	1012.7	2-3	070	4-6	28.6	28.2	24.0
04	17° 27.1 N	064° 46.0 W	BKN	LTG VC	10	085	*20	1013.0	2-3	070	5-7	28.0	28.3	24.4
05	17° 32.6 N	064° 40.9 W	BKN	RA, LTG	10	045	19	1012.3	2-3	070	5-7	28.7	22.6	21.0
06	17° 38.2 N	064° 38.6 W	BKN	LTG VC	10	080	22	1012.7	2-3	070	6-7	28.6	27.7	24.5
07	17° 37.3 N	064° 45.9 W	OVC	RA VC	10	080	20	1013.7	2-3	070	<del>5-6</del> 6-7	28.6	28.2	24.6
08	17° 35.3'	064° 53.2'	OVC	RA	1/2-10	045	16	1014.3	2-3	070	4-5	28.4	26.6	24.2
09	17° 35.4'	064° 53.4'	OVC	RA, LTG	5	015	17	1015.1	2-3	070	4-6	28.5	24.0	21.1
10	17° 35.4'	064° 53.5'	BKN	RA VC	8	050	12	1016.5	2-3	080	4-5	28.5	26.6	23.4
11	17° 35.4'	064° 53.3'	BKN	RA VC	8	060	13	1016.1	2-3	085	4-5	28.5	27.8	22.8
12	17° 35.3'	064° 53.2'	OVC		10	032	9	1016.7	1-2	105	2-4	28.5	27.4	24.9
13	17° 35.3'	064° 53.2'	OVC		10	038	13	1015.0	1-2	110	2-4	28.5	27.9	23.9
14	17° 35.4'	064° 53.2'	OVC		10	054	15	1014.5	1-2	105	2-4	28.4	27.7	24.3
15	17° 35.3'	064° 53.2'	OVC		10	065	13.7	1013.7	1-2	115	2-4	28.4	28.0	23.3
16	17° 35.4 N	064° 53.2 W	BKN		10	040	10	1013.6	1-2	080	3-4	28.5	27.6	23.6
17	17° 35.3 N	064° 52.9 W	OVC		10	050	12	1013.5	1-2	080	3-4	28.4	28.1	23.4
18	17° 33.8 N	064° 59.4 W	BKN		10	050	11	1013.5	1-2	080	3-4	28.4	27.5	23.7
19	17° 39.8 N	065° 03.9 W	BKN		10	065	15	1013.2	1-2	080	3-4	28.6	27.4	23.7
20	17° <del>37.2</del> 47.2	065° 06.1 W	BKN		10	090	17	1013.3	1-2	080	3-4	28.5	27.8	23.7
21	17° 52.4'	065° 09.9 W	BKN		10	077	19	1013.5	1-2	080	3-4	28.5	27.9	24.1
22	17° 44.2'	065° 08.1 W	BKN		10	058	18	1013.9	1-2	080	3-4	28.4	27.9	24.0
23	17° 35.7'	065° 05.4 W	BKN		10	066	20	1013.7	1-2	080	3-4	28.5	27.7	24.5

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\* 0400 SQ: 38-40 KT WIND GUST → TRUE WIND



### DECK LOG – WEATHER OBSERVATION SHEET

NOAA Ship *OKEANOS EXPLORER (R-337)*      TIME ZONE *-4*      DAY OF WEEK *MONDAY*      DATE (dd mmm yyyy) *05 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 <i>N</i>	LONGITUDE <i>W</i>				Dir. (true)	Speed (kts)			Dir. (true)	Height (ft)	SEA WATER	DRY BULB	WET BULB
00	17° 29.1'	065° 08.0'	BKN		10	045	15	1013.7	1-2	080	3-4	28.6	28.0	25.7
01	17° 20.5'	065° 08.5'	BKN		10	050	12	1013.6	1-2	080	3-4	28.6	28.3	25.1
02	17° 19.9'	065° 17.4'	BKN	LTC VC	10	075	17	1013.3	1-2	080	3-4	28.6	28.0	25.5
03	17° 22.4'	065° 23.9'	BKN	LTC VC	10	065	17	1012.7	1-2	080	3-4	28.5	27.9	25.6
04	17° 30.4 N	065° 23.9 W	BKN	LTC VC	10	070	20	1011.5	1-2	080	3-4	28.4	27.1	24.3
05	17° 38.4 N	065° 24.1 W	SCT		10	070	22	1011.4	1-2	080	3-4	28.4	27.4	24.4
06	17° 46.5 N	065° 25.7 W	SCT		10	085	16	1012.2	1-2	080	3-4	28.3	27.1	24.6
07	17° 46.1 N	065° 25.9 W	SCT		10	065	20	1012.9	1-2	080	3-4	28.3	27.1	23.9
08	17° 46.0'	065° 25.8'	SCT		10	080	18	1013.7	1-2	080	3-5	28.3	27.7	24.2
09	17° 46.3'	065° 25.6'	BKN		10	075	16	1013.8	2-3	080	4-6	28.3	27.9	24.2
10	17° 46.3'	065° 25.6'	BKN	RA VC	10	000	15	1015.1	2-3	080	4-6	28.2	26.8	24.5
11	17° 46.3'	065° 25.6'	BKN	RA VC	10	087	9	1015.2	2-3	090	3-5	28.2	26.1	23.6
12	17° 46.3'	065° 25.5'	OVC		10	073	12	1014.8	1-2	085	2-3	28.2	27.3	24.4
13	17° 46.3'	065° 25.6'	OVC		10	075	13	1013.9	1-2	075	3-5	28.3	27.6	23.8
14	17° 46.3'	065° 25.5'	BKN		10	125	16	1013.2	1-2	080	3-5	28.3	26.3	23.8
15	17° 46.3'	065° 25.5'	BKN		10	067	14	1012.2	1-2	070	3-5	28.4	27.4	23.8
16	17° 46.3 N	065° 25.3 W	OVC	RA VC	10	070	16	1011.9	1-2	070	3-5	28.4	27.7	24.3
17	17° 46.4 N	065° 24.8 W	OK	RA	8	090	21	1012.1	1-2	070	3-5	28.4	26.4	23.9
18	17° 46.6 N	065° 24.7 W	OVC	<sup>SO</sup> RA, LG	8	075	14	1012.6	1-2	070	3-5	28.4	26.2	<del>23.5</del> 23.5
19	17° 46.4 N	065° 25.6 W	OVC	LTC, RA	8	015	16	1012.9	1-2	070	3-5	28.3	25.9	23.8
20	17° 50.4'	065° 16.8'	OVC	LTC RA	8	020	15	1013.5	1-2	070	3-5	28.3	25.6	23.8
21	17° 50.0'	065° 25.1'	OVC	LTC, DZ	10	<del>070</del> 070	18	1013.8	1-2	070	3-5	28.3	25.3	23.1
22	17° 46.3'	065° 29.3'	OVC	LTC RA	10	072	13	1014.6	1-2	070	3-5	28.3	25.8	23.4
23	17° 39.6'	065° 27.3'	OVC	LTC, RA	10	074	18	1013.7	1-2	070	3-5	28.2	25.5	21.9

0945: Squall w/ 38 kt gust, water spout began to form, but dissipated.

### DECK LOG - WEATHER OBSERVATION SHEET

NOAA Ship <i>OKEANOS EXPLORER (R-337)</i>							TIME ZONE <i>-4</i>	DAY OF WEEK <i>TUESDAY</i>	DATE (dd mmm yyyy) <i>06 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	17° 30.4'	065° 27.4'	OVC	RA-	10	075	16	1014.1	1-2	070	3-4	28.3	26.2	23.9
01	17° 22.8'	065° 29.0'	OVC		10	060	14	1013.8	1-2	070	3-4	28.3	26.0	23.2
02	17° 29.7'	065° 30.5'	BKN		10	065	22	1012.6	1-2	070	3-4	28.3	27.1	23.0
03	17° 37.6'	065° 30.5'	OVC		10	070	21	1011.3	1-2	070	3-4	28.2	27.4	24.9
04	17° 43.9' N	065° 30.5' W	BKN		10	090	20	1011.4	1-2	070	3-4	28.2	26.8	23.5
05	17° 51.7' N	065° 36.0' W	OVC		10	090	18	1011.1	1-2	070	3-4	28.2	27.2	23.5
06	18° 00.3' N	065° 41.6' W	BKN		10	080	15	1011.5	1-2	070	3-4	28.2	27.0	23.8
07	18° 00.8' N	065° 43.7' W	BKN		10	040	13	1012.2	1-2	070	3-4	28.2	26.6	23.8
08	18° 00.9'	065° 44.1'	SCT		10	030	9	1013.2	1-2	070	3-4	28.2	27.1	24.3
09	18° 00.8'	065° 43.8'	SCT		10	345	7	1013.8	1-2	085	3-4	28.2	26.0	23.9
10	18° 00.9'	065° 43.8'	SCT		10	355	8	1014.5	1-2	085	3-4	28.2	26.7	24.2
11	18° 00.9'	065° 43.7'	BKN		10	340	7	1014.9	1-2	085	3-4	28.2	26.9	24.5
12	18° 00.9'	065° 43.7'	OVC		10	030	10.4	1014.6	1	110	1-3	28.2	27.8	23.9
13	18° 01.0'	065° 43.7'	BKN		10	153	3	1014.3	1	110	1-3	28.1	26	23.2
14	18° 01.0'	065° 43.7'	BKN		10	052	12	1013.3	1	110	1-3	28.2	27	24
15	18° 01.0'	065° 43.7'	BKN		10	054	11	1012.6	1	110	1-3	28.2	27	23.9
16	18° 01.2' N	065° 43.9' W	OVC	RA, SQ	8	040	8	1011.9	1-2	110	2-3	28.2	27.4	24.1
17	18° 01.4' N	065° 41.1' W	OVC	RA, LG	8	060	12	1012.2	1-2	110	2-3	28.2	23.7	22.3
18	17° 55.2' N	065° 42.1' W	BKN		10	040	16	1012.2	1-2	110	2-3	28.3	25.9	22.8
19	17° 48.5' N	065° 37.3' W	BKN		10	030	15	1012.1	1-2	110	2-3	28.2	24.8	23.4
20	17° 47.9'	065° 36.3'	BKN		10	042	14	1012.2	1-2	110	2-3	28.1	26.7	24.4
21	17° 36.9'	065° 43.9'	BKN		10	050	18	1012.6	1-2	110	2-3	28.3	26.7	23.8
22	17° 32.7'	065° 51.8'	BKN		10	085	11	1013.6	1-2	110	2-3	28.2	26.7	24.3
23	17° 28.5'	065° 59.8'	BKN		10	090	17	1013.7	1-2	110	2-3	28.1	26.8	24.0



### DECK LOG – WEATHER OBSERVATION SHEET

NOAA Ship		OKEANOS EXPLORER (R-337)		TIME ZONE	-4		DAY OF WEEK	WEDNESDAY		DATE (dd mmm yyyy)	07 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	17° 27.4'	066° 08.3'	SCT		10	075	15	1013.5	1-2	110	2-3	28.1	26.9	23.6
01	17° 27.6'	066° 16.9	FEW		10	080	11	1013.3	1-2	110	2-3	28.2	26.9	23.9
02	17° 27.6'	066° 25.3'	FEW		10	065	9	1012.7	1-2	110	2-3	28.4	26.9	23.9
03	17° 27.7'	066° 33.8'	FEW		10	055	9	1012.1	1-2	110	2-3	28.4	26.9	23.5
04	17° 32.3N	066° 35.6W	FEW		10	060	10	1011.5	1-2	110	2-3	28.4	26.7	24.3
05	17° 40.9N	066° 34.8W	SCT		10	080	12	1011.2	1-2	110	2-3	28.4	26.9	23.9
06	17° 49.3N	066° 34.1W	SCT		10	075	13	1011.6	1-2	110	2-3	28.4	26.8	23.7
07	17° 49.5N	066° 33.9N	SCT		10	070	9	1012.5	1-2	110	2-3	28.6	26.8	23.1
08	17° 49.6'	066° 34.5'	SCT		10	070	7	1013.2	1-2	110	2-3	28.6	27.4	23.4
09	17° 49.6'	066° 34.5'	FEW		10	065	9.5	1013.5	1-2	110	2-3	28.6	27.2	23.2
10	17° 49.6'	066° 34.5'	FEW		10	075	7.5	1014.2	1-2	090	2-3	28.6	27.3	24.0
11	17° 49.6'	066° 34.5'	SCT		10	085	9	1014.4	1-3	090	3-4	28.6	27.7	23.9
12	17° 49.5'	066° 34.5'	SCT		10	105	15	1014.3	1-2	110	2-4	28.6	28.2	24.1
13	17° 49.5'	066° 34.3'	SCT		10	123	17	1013.6	1-2	110	2-4	28.6	26.6	24.1
14	17° 49.3'	066° 33.9'	SCT		10	110	14	1012.7	1-2	110	2-4	28.7	26.5	23.9
15	17° 49.4'	066° 34.0'	SCT		10	105	15	1012.1	1-2	110	2-4	28.7	27.4	25
16	17° 49.5N	066° 33.9W	SCT		10	095	16	1011.6	1-2	110	2-4	28.7	27.7	24.6
17	17° 49.6N	066° 33.9W	SCT		10	090	16	1011.3	1-2	110	2-4	28.7	28.0	24.3
18	17° 49.7N	066° 33.9W	SCT		10	105	15	1011.2	1-2	085	2-4	28.7	27.8	24.6
19	17° 49.6N	066° 33.3W	SCT		10	100	17	1011.6	1-2	090	2-4	28.7	27.6	24.7
20	17° 43.3'	066° 37.8	SCT		10	095	17	1012.1	1-2	090	2-4	28.6	27.7	24.9
21	17° 34.8'	066° 40.1'	SCT	RAVC	10	066	16	1012.5	1-2	090	2-4	28.4	27.7	24.7
22	17° 33.3'	066° 49.3'	SCT	RAVC	10	109	17	1012.7	1-2	090	2-4	28.4	26.0	23.8
23	17° 32.6'	066° 57.8'	SCT	RAVC	10	082	18	1013.6	1-2	090	2-4	28.5	27.6	24.8

### DECK LOG - WEATHER OBSERVATION SHEET

NOAA Ship		OKEANOS EXPLORER (R-337)		TIME ZONE	-4		DAY OF WEEK	THURSDAY		DATE (dd mmm yyyy)	08 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	17° 33.8'	067° 06.9'	SCT		10	075	18	1013.6	1-2	090	2-4	28.5	27.8	26.6
01	17° 35.2	067° 15.2	SCT		10	080	16	1013.2	1-2	090	2-4	28.5	27.8	26.4
02	17° 35.7	067° 23.1	SCT		10	070	10	1012.7	1-2	090	2-4	28.5	27.7	24.7
03	17° 33.2	067° 17.1	SCT		10	075	16	1012.2	1-2	090	2-4	28.6	27.8	25.4
04	17° 35.6N	067° 12.2W	SCT		10	060	15	1011.3	1-2	090	2-4	28.5	27.5	24.6
05	17° 43.6N	067° 08.4W	FEW	ITQIC	10	090	16	1010.6	1-2	090	2-4	28.5	27.5	24.7
06	17° 50.6N	067° 03.9W	SCT		10	090	13	1011.7	1-2	090	2-4	28.4	27.3	24.5
07	17° 50.9N	067° 03.9W	FEW		10	080	9	1011.9	1-2	090	2-4	28.4	27.1	24.0
08	17° 51.0'	067° 03.6'	FEW		10	070	8	1012.7	1-2	090	2-4	28.6	27.5	23.8
09	17° 51.1'	067° 03.3'	FEW		10	040	7	1013.3	1-2	090	2-3	28.6	27.7	24.4
10	17° 51.1'	067° 03.2'	FEW		10	055	9	1013.8	1-2	090	2-3	28.7	27.8	24.1
11	17° 51.2'	067° 03.2'	FEW		10	085	11.5	1014.3	1-2	095	3	28.7	28.0	24.0
12	17° 51.7'	067° 03.2'	FEW		10	095	11	1014.3	1-2	105	1-3	28.7	28.3	24.4
13	17° 51.2'	067° 03.1'	FEW		10	104	18	1013.7	1-2	105	1-3	28.7	27.9	24.8
14	17° 51.4'	067° 03.2'	FEW		10	106	16	1011.9	1-2	115	2-4	28.7	27.5	24.3
15	17° 51.3'	067° 03.1'	FEW		10	110	17.5	1011.7	1-2	115	2-4	28.7	27.5	24.4
16	17° 51.5N	067° 02.9W	FEW		10	100	15	1011.6	1-2	115	2-4	28.8	27.4	25.1
17	17° 51.2N	067° 02.1W	FEW		10	100	15	1011.5	1-2	115	2-4	—	27.5	24.7
18	17° 50.9N	067° 01.4W	SCT		10	100	15	1011.4	1-2	115	2-4	28.7	27.9	24.4
19	17° 44.9N	067° 03.8W	SCT		10	110	10	1011.6	1-2	115	2-4	28.7	27.7	25.1
20	17° 36.0'	067° 08.6'	FEW		10	094	11	1011.7	1-2	115	2-4	28.5	27.4	25.1
21	17° 30.1'	067° 06.0'	FEW		10	081	11	1012.5	1-2	115	2-4	28.5	27.5	25.0
22	17° 29.3'	066° 56.8'	FEW		10	050	13	1013.3	1-2	115	2-4	28.5	27.6	25.1
23	17° 29.9'	066° 48.0'	SCT		10	046	14	1013.5	1-2	115	2-4	28.4	27.7	25.3



### DECK LOG – WEATHER OBSERVATION SHEET

NOAA Ship <i>OKEANOS EXPLORER (R-337)</i>						TIME ZONE <i>-4</i>	DAY OF WEEK <i>FRIDAY</i>	DATE (dd mmm yyyy) <i>09 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	17°31.1'	066°39.2'	SCT	LTA VC	10	065	13	1013.8	1-2	115	2-4	28.4	27.9	25.6
01	17°27.9'	066°39.4'	SCT	LTA VC	10	060	18	1013.3	1-2	115	2-4	28.5	27.9	26.6
02	17°26.7'	066°47.7'	SCT	LTA VC	10	070	14	1013.1	1-2	115	2-4	28.5	27.8	26.4
03	17°26.2'	066°56.1'	SCT	LTA VC	10	070	16	1012.7	1-2	115	2-4	28.5	27.8	26.5
04	17°26.7'	067°04.6'	SCT	LTA VC	10	080	16	1011.7	1-2	110	3-4	28.5	27.8	25.0
05	17°29.8N	067°10.7W	SCT	LTA VC	10	090	14	1011.8	1-2	110	3-4	28.5	27.7	24.9
06	17°35.4N	067°15.7W	SCT		10	080	12	1012.2	1-2	110	3-4	28.5	27.7	25.2
07	17°36.4N	067°16.7W	SCT		10	070	15	1012.8	<del>1-2</del> <sup>2-3</sup>	090	3-4	28.5	27.6	24.8 <i>sf</i>
08	17°36.4'	067°16.7'	FEW		10	075	16	1013.5	2-3	090	3-4	28.5	27.9	24.9
09	17°36.4'	067°16.5'	FEW		10	080	15	1013.7	2-3	090	3-5	28.5	28.0	24.8
10	17°36.3'	067°16.5'	FEW		10	085	15	1013.8	2-3	090	3-5	28.5	28.0	24.9
11	17°36.3'	067°16.4'	SCT		10	070	13	1013.8	1-3	090	3-4	28.5	27.9	25.3
12	17°36.3'	067°16.4'	SCT		10	083	12	1013.3	1-2	090	2-3	28.5	27.9	25.3
13	17°36.3'	067°16.3'	SCT		10	078	11	1012.5	1-2	090	2-3	28.6	28.0	25.2
14	17°36.3'	067°16.3'	SCT		10	118	9	1011.9	1-2	090	2-3	28.6	28.4	25.4
15	17°36.4'	067°16.3'	SCT		10	121	9.5	1011.2	1-2	090	2-3	28.7	28.3	25.3
16	17°36.3N	067°16.1W	SCT		10	115	10	1011.4	1-2	090	2-3	28.8	28.3	25.2
17	17°36.3	067°16.1	SCT		10	070	9	1012.2	1-2	090	2-3	28.7	28.2	25.5
18	17°36.5N	067°20.9W	SCT		10	030	14	1012.2	1-2	090	2-3	28.8	27.1	24.6
19	17°41.3	067°29.8	FEW		10	045	15	1012.2	1-2	090	2-3	28.7	27.4	23.8
20	17°49.7'	067°34.8'	SCT		10	069	15	1012.6	1-2	090	2-3	28.6	27.4	24.0 <i>sf</i>
21	17°58.0'	067°35.8'	SCT		10	074	15	1013.3	1-2	090	2-3	28.7	27.6	24.1
22	18°06.0'	067°34.8'	FEW		10	069	12	1013.8	1-2	090	2-3	28.8	27.6	24.8
23	17°59.3'	067°37.8'	FEW		10	048	9	1014.0	1-2	090	2-3	28.7	27.3	24.6

### DECK LOG – WEATHER OBSERVATION SHEET

NOAA Ship		OKEANAS EXPLORER (R-337)		TIME ZONE	-4		DAY OF WEEK	SATURDAY		DATE (dd mmm yyyy)			10 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	17° 59.8'	067° 39.1'	FEW		10	075	8	1013.6	1-2	090	2-3	28.6	27.7	26.4	
01	18° 07.8'	067° 37.7'	FEW		10	055	7	1013.2	1-2	090	2-3	28.7	27.7	26.3	
02	18° 15.8'	067° 40.8'	FEW		10	075	10	1012.7 <del>102</del>	1-2	030	2-3	28.6	27.6	26.3	
03	18° 24.1	067° 43.3	FEW		10	075	14	1012.2	1-2	030	2-3	28.4	27.8	26.4	
04	18° 31.4 N	067° 39.3 W	FEW		10	110	12	1012.3	1-2	030	2-3	28.5	27.3	25.2	
05	18° 38.0 N	067° 35.3 W	SCT		10	115	12	1012.7	1-2	030	2-3	28.6	27.3	25.2	
06	18° 44.5 N	067° 35.5 W	SCT		10	075	10	1013.3	1-2	<del>030</del> 050	2-3	28.5	27.4	24.8	
07	18° 44.8 N	067° 35.6 W	BKN		10	070	11	1013.8	1-2	060	2-3	28.5	27.8	25.2	
08	18° 44.9'	067° 35.6'	SCT		10	115	10	1014.4	1-2	065	2-4	28.4	27.4	24.2	
09	18° 45.1'	067° 35.3'	SCT		10	100	10	1015.1	1-2	065	2-4	28.5	28.0	25.3	
10	18° 45.1'	067° 35.2'	FEW		10	100	11.5	1015.5	1-2	065	2-3	28.5	28.1	25.2	
11	18° 45.1'	067° 35.3'	SCT		10	085	12	1015.5	1-2	070	2-4	28.6	28.2	25.1	
12	18° 45.1'	067° 35.3'	SCT		10	071	10	1014.8	1-2	055	2-4	28.7	28.0	25.3	
13	18° 45.1'	067° 35.3'	SCT		10	070	10	1013.7	1-2	055	2-4	28.7	28.2	25.1	
14	18° 45.1'	067° 35.2'	SCT		10	049	10	1013.0	1-2	055	2-4	28.8	28.1	25.1	
15	18° 45.1'	067° 35.2'	SCT		10	039	10	1012.5	1-2	055	2-4	28.8	28.1	25.3	
16	18° 45.1	067° 35.3 W	SCT		10	045	13	1012.4	1-2	065	2-4	28.8	28.0	24.7	
17	18° 45.2 W	065° 35.3 W	SCT		10	050	12	1012.6	1-2	065	2-4	28.8	28.1	24.9	
18	18° 45.2 N	067° 35.3 W	SCT		10	030	14	1012.6	1-2	065	2-4	28.6	27.8	25.2	
19	18° 45.3 N	067° 34.8 W	SCT		10	045	15	1013.2	1-2	065	2-4	28.7	27.9	26.2	
20	18° 52.0'	067° 32.3'	SCT		10	050	16	1013.5	1-2	065	2-4	28.7	27.8	24.9	
21	18° 54.8'	067° 23.9'	SCT		10	043	16	1013.8	1-2	065	2-4	28.5	27.6	25.2	
22	18° 53.1'	067° 15.3'	SCT		10	041	17	1013.8	1-2	065	2-4	28.6	27.7	24.9	
23	18° 52.1'	067° 06.2'	SCT		10	050	15	1014.2	1-2	065	2-4	28.6	27.9	24.7	



### DECK LOG – WEATHER OBSERVATION SHEET

NOAA Ship <i>OKEANOS EXPLORER (P-337)</i>								TIME ZONE <i>-4</i>	DAY OF WEEK <i>MONDAY</i>	DATE (dd mmm yyyy) <i>12 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	18° 58.1'	067° 08.9'	SCT		10	080	18	1014.8	1-2	060	3-4	28.7	27.9	26.5
01	18° 58.4'	067° 17.2'	SCT		10	070	10	1014.6	1-2	060	3-4	28.5	27.7	24.0
02	18° 51.5'	067° 17.5'	SCT		10	070	15	1014.3	1-2	060	3-4	28.5	27.8	24.5
03	18° 53.2'	067° 23.7'	SCT		10	055	17	1013.6	1-2	060	3-4	28.6	27.3	25.2
04	18° 46.0N	067° 25.3W	FEW		10	080	16	1013.8	1-2	060	3-4	28.5	27.7	24.6
05	18° 39.1	067° 26.6	FEW		10	060	18	1013.3	2-3	065	3-4	28.4	27.6	24.6
06	<del>18° 35.0N</del> <del>18° 38.9N</del>	<del>067° 18.6W</del> <del>067° 25.6W</del>	FEW		10	050	17	1013.2	2-3	065	3-4	28.6	27.4	24.6
07	18° 32.8N	067° 17.8W	FEW		10	077	15	1013.7	2-3	065	3-4	28.6	26.9	24.6
08	18° 32.2'	067° 18.1'	SCT		10	110	11	1014.6	2-3	060	3-5	28.6	27.0	24.7
09	18° 32.1'	067° 17.9'	FEW		10	115	12.5	1015.3	2-4	065	4-6	28.6	26.9	24.9
10	18° 32.4'	067° 17.7'	SCT		10	065	13	1015.9	2-4	070	4-6	28.6	27.4	25.2
11	18° 32.6'	067° 17.7'	SCT		10	065	14	1016.2	2-4	070	4-6	28.6	27.6	24.8
12	18° 32.58'	067° 17.7'	SCT		10	09.8	15	1015.9	2-3	070	4-6	28.6	27.8	25
13	18° 32.6'	067° 17.6'	SCT		10	061	18	1015.4	2-3	060	4-6	28.6	28	24
14	18° 32.6'	067° 17.6'	SCT		10	060	19	1014.5	2-3	075	4-6	28.7	28	24
15	18° 32.6'	067° 17.5'	SCT		10	060	18	1013.7	2-3	075	4-6	28.8	28.2	24.5
16	18° 32.7N	067° 17.5W	SCT		10	060	18	1013.8	2-3	075	4-6	28.8	28.1	24.4
17	18° 32.7N	067° 17.4W	SCT		10	050	17	1013.3	2-3	075	4-6	28.8	28.0	25.0
18	18° 32.7N	067° 17.3W	SCT		10	070	16	1013.2	2-3	075	4-6	28.8	27.9	24.6
19	18° 33.01N	067° 16.8W	SCT		10	060	20	1013.7	2-3	075	4-6	28.8	27.9	24.6
20	18° 35.1'	067° 23.0'	SCT		10	066	19	1014.0	2-3	075	4-6	28.7	27.7	24.8
21	18° 39.7'	067° 31.8'	SCT		10	064	19	1014.7	2-3	075	4-6	28.6	27.8	24.9
22	18° 45.5'	067° 38.4'	SCT		10	073	20	1014.9	2-3	075	4-6	28.4	27.8	24.9
23	18° 52.6'	067° 37.6'	SCT		10	076	20	1015.3	2-3	075	4-6	28.4	27.8	24.7

### DECK LOG – WEATHER OBSERVATION SHEET

NOAA Ship		OKEANOS EXPLORER (R-337)		TIME ZONE	-4		DAY OF WEEK	SUNDAY		DATE (dd mmm yyyy)	11 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	18° 51.6'	066° 56.7'	SCT	LGA VC	10	070	18	1013.9	1-2	065	3-4	28.7	27.7	25.1
01	18° 56.1'	066° 49.7'	SCT	LGA, RA	10	070	11	1013.7	1-2	065	3-4	28.4	26.5	25.4
02	18° 56.0	066° 41.0	SCT	LGA VC	10	090	15	1013.3	1-2	065	3-4	28.3	27.1	25.7
03	18° 55.6'	066° 32.0'	SCT	LGA VC	10	100	19	1012.7	1-3	065	3-4	28.1	25.8	25.0
04	18° 54.3	066° 24.6	SCT		10	110	14	1012.3	2-3	070	3-4	28.1	26.7	23.8
05	18° 50.9 N	066° 28.9 W	FEW		10	100	10	1012.9	2-3	080	3-4	28.2	26.7	24.5
06	18° 51.2	066° 24.2	FEW		10	135	12	1012.7	2-3	080	3-5	28.1	26.5	23.9
07	18° 50.9	066° 23.8	FEW		10	115	9	1013.6	2-3	080	3-5	28.1	26.8	24.1
08	18° 50.7'	066° 24.2'	FEW		10	110	12.5	1014.4	2-3	080	3-5	28.1	27.4	23.9
09	18° 50.8'	066° 23.9'	FEW		10	090	11	1014.8	2-3	080	3-5	28.2	27.6	23.7
10	18° 50.8'	066° 23.8'	FEW		10	076	12	1015.2	2-3	085	3-5	28.2	27.5	23.9
11	18° 50.8'	066° 23.7'	FEW		10	070	11.5	1014.9	2-3	085	3-5	28.3	27.6	24.2
12	18° 50.7'	066° 23.7'	FEW		10	052	12	1014.3	1-2	055	2-4	28.4	27.6	23.8
13	18° 50.7'	066° 23.7'	FEW		10	059	13	1014.3	1-2	055	2-4	28.4	27.6	24.1
14	18° 50.7'	066° 23.6'	FEW		10	072	10	1013.7	1-2	055	2-4	28.4	27.8	24.4
15	18° 50.7'	066° 23.5'	SCT		10	065	14	1013.1	1-2	055	2-4	28.5	28.0	24.8
16	18° 50.7'	066° 23.2'	SCT		10	070	13	1013.1	1-2	060	3-4	28.7	27.8	24.6
17	18° 51.2 N	066° 22.2 W	SCT		10	050	14	1012.7	1-2	060	3-4	28.5	27.5	24.4
18	18° 50.1 N	066° 22.5 W	SCT		10	065	15	1013.1	1-2	060	3-4	28.5	27.6	24.5
19	18° 56.7 N	066° 23.3 W	SCT		10	050	15	1013.2	1-2	060	3-4	28.5	27.6	24.7
20	18° 58.1'	066° 32.6'	SCT		10	072	16	1013.7	1-2	060	3-4	28.2	27.5	24.9
21	18° 58.6'	066° 42.1'	SCT		10	059	14	1014.3	1-2	060	3-4	28.2	27.2	25.2
22	18° 58.5'	066° 50.7'	SCT		10	067	16	1014.8	1-2	060	3-4	28.4	27.2	24.7
23	18° 57.1'	066° 59.1'	SCT		10	079	20	1014.9	1-2	060	3-4	28.5	27.8	24.6

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### DECK LOG – WEATHER OBSERVATION SHEET

NOAA Ship <i>OKEANOS EXPLORER (R-337)</i>							TIME ZONE <i>-4</i>	DAY OF WEEK <i>TUESDAY</i>	DATE (dd mmm yyyy) <i>13 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	18° 50.8'	067° 40.1'	SCT		10	060	12	1014.8	2-3	075	4-6	28.4	27.7	25.1
01	18° 45.9'	067° 44.1'	SCT		10	075	19	1015.1	2-3	075	4-6	28.4	27.7	24.7
02	18° 43.3'	067° 50.7'	BKN	<i>LTG VC</i>	10	065	20	1015.0	2-3	075	4-6	28.4	28.0	25.1
03	18° 35.6'	067° 52.4'	SCT		10	060	14	1014.2	2-3	075	4-6	28.4	27.8	24.5
04	18° 27.4' N	067° 49.3' W	FEW		10	070	19	1014.2	2-3	075	4-6	28.4	27.9	24.0
05	18° 18.7' N	067° 49.5' W	SCT		10	060	17	1014.0	2-3	075	4-6	28.5	27.3	24.7
06	18° 13.1' N	067° 49.6' W	SCT		10	070	16	1014.1	2-3	075	4-6	28.3	27.4	25.0
07	18° 12.5' N	067° 47.2'	SCT		10	065	18	1014.5	2-3	075	<del>4-6</del> <sup>5-6</sup>	28.3	27.4	24.1
08	18° 12.3'	067° 48.4'	BKN		10	065	17	1015.2	2-4	065	5-7	28.4	27.3	24.6
09	18° 12.6'	067° 48.1'	SCT		10	075	17	1016.4	2-4	065	5-7	28.4	27.5	24.5
10	18° 12.5'	067° 48.1'	SCT		10	075	17	1016.6	2-4	060	5-6	28.4	27.7	24.7
11	18° 12.5'	067° 48.1'	FEW		10	075	18.5	1016.6	2-3	065	5-6	28.4	27.7	24.5
12	18° 12.4'	067° 48.0'	FEW		10	079	13	1016.5	2-3	065	4-6	28.4	27.8	24.8
13	18° 12.4'	067° 48.1'	FEW		10	068	17	1015.9	2-3	065	4-6	28.4	27.8	24.
14	18° 12.4'	067° 48.1'	FEW		10	074	17	1015.1	2-3	065	4-6	28.4	27.9	<del>24.1</del> <sup>24.1</sup>
15	18° 12.4'	067° 48.1'			10	080	17	1014.0	2-3	065	4-6	28.5	27.9	2.5
16	18° 12.5' N	067° 48.3' W	SCT		10	045	20	1013.5	2-3	065	5-6	28.5	28.2	25.3
17	18° 12.9' N	067° 47.6' W	SCT		10	050	18	1013.6	2-3	065	5-6	28.5	28.0	25.2
18	18° 08.6' N	067° 42.9' W	BKN	<i>LTC VC</i>	10	050	18	1013.6	2-3	065	5-6	28.5	28.1	25.5
19	18° 06.1'	067° 34.7'	BKN	<i>LTC VC</i>	10	050	22	1013.3	2-3	065	5-6	28.5	28.1	24.7
20	18° 08.4'	067° 30.6'	BKN	<i>LTC VC</i>	10	062	18	1013.5	2-3	065	5-6	28.6	27.9	24.8
21	18° 03.6'	067° 35.4'	BKN	<i>LTC VC</i>	10	060	13	1014.4	2-3	065	5-6	28.6	28.1	25.0
22	17° 56.3'	067° 41.0'	SCT	<i>LTC VC</i>	10	060	10	1014.6	2-3	065	5-6	28.6	27.7	25.0
23	17° 51.8'	067° 47.1'	SCT	<i>LTC VC</i>	10	100	9	1014.8	2-3	065	5-6	28.7	27.8	25.0

### DECK LOG – WEATHER OBSERVATION SHEET

NOAA Ship		OKEANOS EXPLORER (R-337)		TIME ZONE	-4		DAY OF WEEK	WEDNESDAY		DATE (dd mmm yyyy)	14 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	17° 49.4'	067° 46.9'	SCT		10	090	18	1014.9	2-3	065	5-6	28.6	27.9	25.0
01	17° 53.1'	067° 41.3'	SCT		10	095	17	1017.7	2-3	065	5-6	28.6	28.0	24.0
02	17° 59.2'	067° 37.0'	SCT	LTG VC	10	100	15	1019.7	2-3	065	5-6	28.5	27.7	24.6
03	18° 04.7'	067° 31.3'	SCT	LTG VC	10	060	9	1013.2	2-3	065	5-6	28.6	27.8	24.7
04	18° 10.1'N	067° 29.8'W	SCT	LTG VC	10	100	13	1013.2	2-3	065	5-6	28.6	27.4	28.6
05	18° 12.5'N	067° 19.4'W	SCT	LTG VC	10	040	9	1013.4	<del>2-3</del> 1-3	065	<del>5</del> 3-4	28.5	27.2	23.6
06	18° 13.2'N	067° 13.8'W	SCT	LTG VC	10	090	9	1013.3	1-2	065	2-3	28.6	26.4	22.9
07	18° 13.5'N	067° 13.5'W	SCT		10	080	7	1014.4	1	065	1-2	28.7	25.2	22.7
08	18° 15.0'	067° 19.2'	FEW		10	135	4	1014.7	1	320	2	28.7	25.6	23.1
09	18° 17.1'	067° 27.8'	FEW		10	147	3	1015.2	1-2	040	2-3	28.5	26.4	23.4
10	18° 17.3'	067° 27.6'	FEW		10	115	<del>17</del>	1015.9	2	<del>040</del> CONF	2-4	28.4	27.6	24.1
11	18° 17.1'	067° 27.8'	SCT		10	100	6	1016.1	2	<del>040</del> 170	2-4	28.4	27.7	23.8
12	18° 17.1'	067° 27.7'	SCT		10	089	6	1016.2	1-2	045	2-4	28.4	28.5	24.6
13	18° 17.0'	067° 27.9'	SCT	RA LTG	10	101	5	1015.5	1-2	045	2-4	28.5	29.3	24.3
14	18° 17.0'	067° 27.7'	SCT	RA LTG	10	063	6	1014.7	1-2	045	2-4	28.6	28.8	24.6
15	18° 17.0'	067° 26.9'	SCT		10	043	7	1013.6	1-2	<del>045</del> 170	2-4	28.6	27.8	24.3
16	18° 17.4'	067° 27.6'	BKN	RA VC	10	060	11	1013.9	1-2	<del>045</del> 170	2-4	28.7	26.5	23.3
17	18° 17.5'	067° 27.6'	BKN	RA VC	9	065	11	1013.8	1-3	040	2-4	28.6	27.2	23.6
18	18° 17.5'N	067° 27.6'W	BKN		9	110	21	1013.7	1-3	<del>045</del> 170	2-4	28.6	26.8	23.8
19	18° 18.4'N	067° 28.9'W	BKN	LTG VC	10	110	15	1013.8	1-3	<del>045</del> 170	2-4	28.6	27.1	23.4
20	18° 17.6'	067° 33.9'	BKN		10	113	12	1014.2	1-3	<del>045</del> 170	2-4	28.5	27.0	23.7
21	18° 19.9'	067° 42.9'	BKN		10	054	12	1014.8	1-3	040	2-4	28.5	27.0	23.6
22	18° 27.5'	067° 46.1'	BKN		10	064	11	1015.4	1-3	040	2-4	28.4	27.4	23.9
23	18° 34.1'	067° 51.9'	BKN		10	092	16	1014.9	1-3	040	2-4	28.3	27.2	24.5



### DECK LOG – WEATHER OBSERVATION SHEET

NOAA Ship		OKEANOS EXPLORER (R-337)		TIME ZONE	-4		DAY OF WEEK	THURSDAY		DATE (dd mmm yyyy)	15 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	18° 41.2'	067° 53.1'	FEW		10	095	18	1015.3'	1-3	040	2-4	28.4	27.6	24.7
01	18° 49.4'	067° 51.9'	FEW		10	100	23	1014.7	1-3	040	2-4	28.4	27.5	24.8
02	18° 44.6'	067° 54.6'	SCT		10	095	16	1014.3	1-3	040	2-4	28.2	27.5	24.1
03	18° 35.8'	067° 54.5'	SCT		10	085	15	1014.5	1-3	040	2-4	28.2	27.2	24.5
04	18° 28.6'	067° 50.4'	FEW	LTG VC	10	080	18	1013.8	2-3	090	3-5	28.3	27.2	24.6
05	18° 21.4N	067° 50.5'	FEW	LTG VC	10	080	18	1013.9	2-3	090	3-5	28.3	27.5	24.7
06	18° 21.5N	067° 45.7W	SCT		10	077	14	1013.8	2-3	090	3-5	28.2	27.3	24.9
07	18° 22.2N	067° 45.4W	SCT		10	090	13	1013.9	2-3	<del>045</del> 090	3-5	28.3	26.9	24.3
08	18° 22.1'	067° 45.3'	FEW		10	085	15	1014.8	2-3	045	4-6	28.2	27.7	23.1
09	18° 22.3'	067° 45.1'	SCT		10	090	17	1014.9	2-3	055	3-6	28.2	27.8	23.1
10	18° 22.2'	067° 45.3'	SCT		10	090	16	1015.7	2-3	055	3-5	28.2	27.5	22.9
11	18° 22.2'	067° 45.3'	SCT		10	085	15	1016.5	2-3	<del>055</del> CONF.	3-5	28.2	27.5	22.7
12	18° 22.23'	067° 45.2'	SCT		10	091	9	1016.5	1-2	040	4-6	28.2	27.6	23.9
13	18° 22.2'	067° 45.2'	SCT		10	086	5	1016.2	1-2	040	4-6	28.1	27.9	23.9
14	18° 22.2'	067° 45.2'	SCT		10	082	2	1015.7	1-2	070	3-6	28.3	28.4	23.2
15	18° 22.3'	067° 45.2'	SCT		10	020	1.5	1014.8	0-1	070	3-6	28.5	28.7	23.2
16	18° 22.4N	067° 45.4W	BKN		10	VAR	LT	1014.2	1-2	<del>070</del> 045	4-6	28.8	28.6	23.9
17	18° 21.3N	067° 44.8W	BKN		10	090	5	—	1-2	<del>045</del> 140	4-6	28.6	28.2	23.7
18	18° 22.5N	067° 45.2W	BKN	LTG VC	10	060	13	<del>1013.3</del> *	1-2	<del>045</del> 140	4-6	28.5	26.4	24.5
19	18° 25.3'	067° 51.5'	BKN		10	095	17	1014.5	1-2	<del>045</del> 140	4-6	28.4	26.5	24.2
20	18° 34.0'	067° 55.0'	BKN		10	117	10	1015.6	1-2	<del>045</del> 140	4-6	28.2	26.8	24.5
21	18° 41.2'	067° 54.3'	BKN		10	101	11	1016.3	1-2	<del>045</del> 140	4-6	28.2	26.7	24.2
22	18° 49.2'	067° 57.2'	BKN		10	108	13	1016.0	1-2	<del>045</del> 140	4-6	28.1	27.2	23.9
23	18° 51.3'	067° 59.7'	BKN		10	099	16	1016.0	1-2	<del>045</del> 140	4-6	28.1	27.3	23.4

\* 1800 USING BAROMETER ON WALL.

### DECK LOG – WEATHER OBSERVATION SHEET

NOAA Ship		OKEANOS EXPLORER (R-337)		TIME ZONE	DAY OF WEEK	DATE (dd mmm yyyy)								
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	18°42.6'	067°58.0'	SCT		10	095	14	1015.8	1-2	045/180	4-6	28.2	27.4	23.3
01	18°35.9'	067°55.5'	SCT		10	090	17	1013.3	1-2	045/180	4-6	28.2	27.0	24.2
02	18°37.8'	067°55.5'	SCT		10	085	19	1014.8	1-2	045/180	4-6	28.3	27.4	24.0
03	18°41.6'	067°57.3'	SCT		10	090	16	1014.4	1-2	045/180	4-6	28.2	27.4	24.3
04	18°34.9'	067°56.3'	SCT		10	100	18	1014.5	1-3	045	4-5	28.2	27.1	24.1
05	18°35.7N	067°56.6W	SCT		10	085	22	1014.2	1-3	045	4-5	28.2	27.2	23.0
06	18°30.7N	067°53.1W	SCT		10	110	17	1014.0	1-3	045	4-5	28.2	22.1	23.5
07	18°30.0N	067°50.2W	SCT		10	105	12	1013.0	1-3	045	4-5	28.2	26.9	23.4
08	18°31.4'	067°50.2'	FEW		10	110	16	1016.0	1-3	055	4-5	28.1	27.9	23.4
09	18°31.1'	067°50.2'	FEW		10	105	15	1016.8	1-3	065	4-5	28.1	27.6	23.6
10	18°31.1'	067°50.1'	FEW		10	100	15	1017.0	1-3	065	4-6	28.1	26.2	23.6
11	18°31.1'	067°50.1'	FEW		10	100	14	1016.6	1-3	065	4-6	28.2	27.8	24.2
12	18°31.1'	067°50.1'	FEW		10	078	12	1015.8	1-3	085	4-6	28.2	27.8	24.6
13	18°31.1'	067°49.9'	FEW		10	068	12	1015.2	1-3	085	3-5	28.2	27.5	24.4
14	18°31.1'	067°49.5'	FEW		10	055	10	1014.5	1-3	085	3-5	27.7	28	24.5
15	18°31.1'	067°49.8'	FEW		10	062	9	1013.8	1-3	075	3-5	28.3	27.7	24.8
16	18°31.1N	067°49.8W	SCT		10	070	10	1013.9	1-3	075	3-5	28.4	27.6	25.1
17	18°31.2N	067°49.3W	SCT		10	090	12	1013.8	1-3	075	3-5	28.3	27.2	24.9
18	18°26.5N	067°54.2W	BKN		10	070	10	1014.1	1-2	040	2-4	28.3	27.0	24.3
19	18°20.9N	067°59.2	BKN	LTC	10	090	9	1014.4	1-2	160	2-3	28.3	27.2	25.1
20	18°12.0N	068°02.6W	BKN		10	075	15	1014.6	1-2	160	2-3	28.4	27.6	24.9
21	18°03.7N	068°01.6W	BKN		10	081	15	1014.9	1-2	160	2-3	28.4	27.2	24.5
22	17°56.6N	067°57.9W	SCT		10	067	18	1014.8	1-2	160	2-3	28.4	27.6	24.7
23	18°02.7N	067°59.2W	SCT		10	063	15	1014.9	1-2	160	2-3	28.4	27.5	24.6



### DECK LOG – WEATHER OBSERVATION SHEET

NOAA Ship		OKEANOS EXPLORER (R-337)		TIME ZONE	DAY OF WEEK	DATE (dd mmm yyyy)								
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	17°58.5'	067°51.3'	SCT		10	095	17	1014.7	1-2	160	2-3	28.4	27.5	24.9
01	18°02.8'	067°44.1'	SCT	LTG VC	10	090	16	1014.5	1-2	160	2-4	28.4	27.3	24.6
02	18°02.2	067°43.2'	SCT		10	085	13	1014.5	1-2	160	3-4	28.3	27.4	24.5
03	17°58.4'	067°44.8'	SCT	LTG VC	10	110	17	1013.3	1-2	160	3-4	28.4	27.5	24.4
04	18°04.3	067°38.6	SCT		10	085	16	1013.8	1-2	110	3-4	28.3	27.3	24.3
05	17°58.1N	067°42.9W	FEW		10	080	16	1014.0	1-2	110	3-4	28.4	27.2	24.5
06	17°57.0N	067°52.4W	SCT		10	090	17	1014.7	1-2	110	3-4	28.4	27.6	24.5
07	17°56.9N	067°53.5W	SCT		10	085	13	1015.5	1-2	110	3-4	28.4	27.2	24.3
08	17°56.9'	067°53.7'	FEW		10	095	10	1016.1	1-2	105	3-4	28.4	27.2	24.5
09	17°56.8'	067°53.3'	BKN	RA VC	10	075	19	1017.2	1-2	105	3-4	28.4	26.2	24.2
10	17°56.8'	067°53.3'	SCT		10	090	18	1017.5	2-3	105	3-4	28.4	26.9	24.6
11	17°56.8'	067°53.3'	SCT		10	075	15	1017.3	2-3	100	3-5	28.4	27.5	24.4
12	17°56.7'	067°53.2'	SCT		10	087	14	1016.6	1-2	105	3-5	28.4	27.3	24.3
13	17°56.7'	067°53.2'	SCT		10	080	9	1015.9	1-2	105	3-5	28.5	28.1	24.8
14	17°56.5'	067°53.1'	SCT		10	120	7	1015.0	1-2	105	3-5	28.5	27.2	24.6
15	17°56.5'	067°53.1'	SCT		10	098	10	1014	1-2	105	2-4	28.5	28.9	24.1
16	17°56.5N	067°53.2W	SCT		10	100	13	1014.0	1-2	110	2-4	28.5	28.8	24.7
17	17°56.5N	067°53.1W	SCT		10	095	13	1013.9	1-2	110	2-4	28.5	28.1	24.9
18	17°56.5N	067°53.2W	SCT		10	095	16	1014.3	1-2	110	2-4	28.5	27.9	24.2
19	17°56.5N	067°52.3W	SCT		10	045	11	1014.8	1-2	100	2-4	28.4	27.5	23.9
20	17°59.2N	067°55.2W	SCT		10	089	10	1015.4	1-2	100	2-4	28.2	27.6	24.4
21	17°53.7N	067°52.9W	SCT		10	082	15	1015.4 1054.7	1-2	100	2-4	28.3	27.7	24.0
22	17°46.7N	067°52.9W	SCT		10	097	17	1015.6	1-2	100	2-4	28.4	27.8	24.9
23	17°40.8N	067°59.3W	SCT		10	101	15	1015.9	1-2	100	2-4	28.4	27.9	24.2

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### DECK LOG - WEATHER OBSERVATION SHEET

NOAA Ship <u>OKEANOS EXPLORER (R-337)</u>							TIME ZONE <u>-4</u>	DAY OF WEEK <u>SUNDAY</u>	DATE (dd mmm yyyy) <u>18 NOV 2018</u>					
TIME	POSITION		SKY CON-DITION	PRESENT WEATHER	VISI-BILITY (nm)	WIND		SEA LEVEL Press. (mb)	SEA WAVE Height (ft)	SWELL WAVES		TEMPERATURE (°C)		
	LATITUDE <u>N</u>	LONGITUDE <u>W</u>				Dir. (true)	Speed (kts)			Dir. (true)	Height (ft)	SEA WATER	DRY BULB	WET BULB
00	17°44.0'	067°52.4'	CNC	LTG-VC	10	115	21	1015.5	1-2	100	4-5	28.4	27.8	24.9
01	17°47.4'	067°44.1'	BKN		10	120	20	1015.3	2	100	5-6	28.4	26.2	24.1
02	17°54.1'	067°38.7'	BKN		10	075	14	1014.6	2	100	5-6	28.4	27.4	23.9
03	18°03.3'	067°37.3'	SCT		10	100	20	1014.4	2	100	5-6	28.4	27.3	23.4
04	18°09.4N	067°34.7W	FEW	LTG,VC	10	085	10	1014.9	2	100	3-4	28.3	27.3	23.0
05	18°15.9N	067°28.2W	CLR		10	100	12	1014.6	1-2	100	3-4	28.3	26.6	23.2
06	18°21.3N	067°20.4W	FEW		10	075	16	1014.5	1-2	100	3-4	28.4	26.0	22.8
07	18°21.9N	067°20.2W	FEW		10	065	16	1015.4	1-2	100	3-4	28.4	25.4	22.3
08	18°21.6'	067°29.8'	FEW		10	080	15	1016.7	1-2	100	3-4	28.3	27.2	23.1
09	18°22.9'	067°33.7'	CLR		10	090	18	1016.6	2-3	<del>050</del> 080	4-5	28.2	27.0	22.9
10	18°22.9'	067°36.3'	CLR		10	080	15	1017.8	2-3	080	4-5	28.2	28.0	23.3
11	18°23.7'	067°39.3'	CLR		10	070	15	1017.9	1-2	060	3-4	28.2	27.4	22.8
12	18°23.8'	067°39.3'	FEW		10	050	16	1017.5	1-2	060	3-4	28.2	27.4	23.6
13	<del>18°</del>	<del>OPS</del>												
14	18°23.7'	067°39.2'	FEW		10	062	12	1015.7	1-2	060	3-4	28.3	28.2	23.8
15	18°23.7'	067°39.2'	FEW		10	061	9	1015.3	1-2	CONF.	3-4	28.4	28.6	23.9
16	18°23.7N	067°39.3W	SCT		10	060	10	1014.8	1-2	060	3-4	28.4	28.6	23.9
17	18°23.7N	067°38.3W	FEW		10	070	8	1014.8	1-2	060	3-4	28.4	27.8	23.9
18	18°29.9N	067°35.7W	CLR		10	090	14	1014.7	1-2	060	3-4	28.4	27.7	24.0
19	18°38.8N	067°40.1W	FEW		10	090	12	1015.5	1-2	060	3-4	28.2	27.6	24.1
20	18°43.8'	067°44.7'	FEW		10	080	14	1016.1	1-2	060	3-4	28.3	27.5	24.0
21	18°50.5N	067°50.9W	FEW		10	082	14	1016.9	1-2	060	3-4	28.3	27.5	24.2
22	18°51.2N	067°48.0W	FEW		10	069	17	1017.0	1-2	060	3-4	28.2	27.4	24.0
23	18°50.1N	067°41.5W	FEW		10	103	17	1017.0	1-2	060	3-4	28.1	27.6	24.2

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### DECK LOG - WEATHER OBSERVATION SHEET

NOAA Ship <i>OKEANOS EXPLORER (R-337)</i>				TIME ZONE <i>-4</i>	DAY OF WEEK <i>MONDAY</i>	DATE (dd mmm yyyy) <i>19 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	18° 56.3'	067° 34.9'	FEW		10	100	17	1016.4	1-2	060	3-4	28.2	27.6	24.1
01	19° 01.7'	067° 39.3'	FEW		10	105	14	1016.7	1-2	060	3-4	28.1	27.4	24.1
02	19° 06.8	067° 44.1'	FEW		10	080	13	1016.4	1-2	060	3-4	28.0	27.3	23.8
03	19° 03.7	067° 37.2	SCT		10	080	16	1015.8	1-2	060	3-4	28.0	27.2	24.0
04	19° 04.7 N	067° 35.3 W	<del>SCT</del>		10	100	15	1015.6	1-2	060	3-4	28.1	27.2	22.8
05	19° 10.6 N	067° 43.1 W	FEW		10	090	13	1015.9	1-2	060	3-4	27.9	27.1	23.4
06	19° 16.3 N	067° 41.4 W	SCT		10	110	18	1015.9	1-2	080	<del>3-4</del> 4-5	27.9	27.2	23.2
07	19° 16.6 N	067° 41.3 W	SCT		10	100	14	1016.6	1-2	085	4-5	27.9	27.2	23.1
08	19° 16.7'	067° 41.3'	SCT		10	074	11	1017.2	1-2	085	3-4	27.9	27.5	23.8
09	19° 16.7'	067° 41.0'	SCT		10	080	14	1017.6	2	085	3-4	28.0	27.6	23.9
10	19° 16.7'	067° 41.0'	SCT		10	075	13.5	1018.1	2	085	3-4	28.0	27.6	24.1
11	19° 16.7'	067° 41.0'	SCT		10	085	17	1017.9	2-3	080	4-5	28.0	27.6	24.4
12	19° 16.6'	067° 41.0'	SCT		10	107	17	1017.6	1-2	085	3-5	27.7	28.0	24.5
13	19° 16.7'	067° 41.0'	SCT		10	109	15	1017.1	1-2	095	3-5	28.0	27.9	24.2
14	19° 16.7'	067° 41.0'	SCT		10	103	19	1016.0	1-2	100	3-5	28.0	27.8	23.4
15	19° 16.7'	067° 41.0'	SCT		10	082	15	1015.6	1-2	095	3-5	28.0	27.8	23.7
16	19° 16.7 W	067° 40.9 W	SCT		10	095	17	1015.3	1-2	090	<del>3-5</del> 4-5	28.1	27.8	23.2
17	19° 16.7 N	067° 41.0 W	SCT		10	085	18	1015.2	1-2	090	4-5	28.1	27.9	23.9
18	19° 11.1 N	067° 35.0 W	<del>FEW</del> SCT		10	085	21	1015.1	1-2	090	4-5	27.9	27.7	23.2
19	19° 07.9 N	067° 30.7 W	CLR		10	070	20	1015.2	1-2	090	4-6	28.0	28.6	23.7
20	19° 01.9 N	067° 23.1 W	CLR		10	073	23	1015.7	1-2	090	4-6	28.0	27.7	23.4
21	18° 57.9 N	067° 15.7 W	CLR		10	083	22	1016.4	1-2	090	4-6	28.2	27.8	23.3
22	18° 53.8 N	067° 08.2 W	FEW		10	083	19	1016.7	1-2	090	4-6	28.2	27.8	23.6
23	18° 49.6 N	067° 00.3 W	SCT		10	078	19	1016.8	1-2	090	4-6	28.3	27.7	23.8

## DECK LOG – WEATHER OBSERVATION SHEET

NOAA Ship				TIME ZONE		DAY OF WEEK		DATE (dd mmm yyyy)						
OKEANOS EXPLORER (R-337)				-4		TUESDAY		20 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	18°45.5'	066°32.4'	SCT		10	090	19	1016.6	1-2	090	4-6	28.4	27.7	23.6
01	18°45.3'	066°43.7'	SCT		10	100	20	1016.2	1-2	090	4-6	28.4	27.6	23.4
02	18°42.6'	066°35.9'	SCT		10	090	19	1015.9	1-2	090	4-6	28.3	27.7	23.4
03	18°39.5'	066°28.3'	BKN		10	105	21	1015.5	1-2	090	4-6	28.2	27.5	23.7
04	18°36.8N	066°21.4	BKN		10	080	22	1015.3	1-2	090	3-4	—	27.5	22.9
05	18°32.9N	066°13.8W	SCT		10	090	20	1015.4	1-2	090	3-4	—	27.3	22.8
06	18°32.3	066°10.7	CLR											
07														
08														
09	18°27.8	066°06.3												
10	<del>MOORED 0840</del>													
11	<del>MOORED 0840</del>													
12	<del>MOORED 0840</del>													
13	<del>MOORED 0840</del>													
14	<del>MOORED 0840</del>													
15	<del>MOORED 0840</del>													
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23	<del>MOORED 0840</del>													

0600 ARRIVED SAN JUAN SEA BUOY