

DECK LOG - WEATHER OBSERVATION SHEET

NOAA Ship OKEANUS EXPLORER (R-337) TIME ZONE -4 DAY OF WEEK TUESDAY DATE (dd mmm yyyy) 02 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	LONGITUDE				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	41°34.8'	071°22.6'	OVC		9	350	5	1022.7	—	—	—	—	15.8	15.4
14														
15														
16	41°06.9'	071°25.3'	BKN		10	185	15	1019.7	1-2	190	2-3	19.5	20.3	19.9
17	40°57.7'	071°26.2'	BKN		10	195	16	1019.2	1-2	190	2-3	20.1 18.7	20.1	18.9
18	40°47.2'	071°29.4'	SCT		10	190	12	1019.4	1-2	190	2-3	19.3	20.0	19.1
19	40°37.8'	071°32.2'	BKN		10	200	15	1019.1	1-2	190	2-3	19.1	20.6	19.4
20	40°27.7'	071°35.3'	OVC		10	194	14	1018.9	1-2	190	2-3	19.8	21.0	20.0
21	40°16.4'	071°38.7'	OVC	LTG/DR	10	205	13	1017.2	1-2	—	2-3	19.8	21.0	20.0
22	40°06.7'	071°41.6'	BKN		10	206	18	1016.6 1018.3	2-3	—	2-4 2-3	21.5	22.3 22.3	22.0
23	39°55.4'	071°45.0'	OVC		10+	208	17	1018.2	2-4	—	2-3	22.6	22.5	21.0

0000-1200 IN PORT

1400-1500 IN TRANSIT

DECK LOG - WEATHER OBSERVATION SHEET

NOAA Ship		OKEANOS EXPLORER (R-337)		TIME ZONE	-4		DAY OF WEEK	WEDNESDAY		DATE (dd mmm yyyy)	03 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 N	LONGITUDE W				Dir. (true)	Speed (kts)			Dir. (true)	Height (ft)	SEA WATER	DRY BULB	WET BULB
00	39°47.0	071°47.6	OVC		10	220	19	1018.0	2-3	200	4-5	20.8	22.3	20.6
01	39°37.7	071°50.4	OVC	RA VC	10	230	22	1017.6	2-3	210	4-6	21.0	22.8	20.7
02	39°28.4	071°53.1	OVC	RA VC	10	240	19	1017.8	2	210	3-5	22.9	22.5	20.9
03	39°25.9	071°52.5	OVC	RA, LTG	10	240	13	1017.9	2	210	3-5	22.0	18.9	18.5
04	39°25.7N	071°52.7W	VC	RA, LTG	8	240	19	1018.3	2-3	210	3-5	22.1	18.9	18.7
05	39°22.5N	071°55.6W	OVC	RA	10	190	17	1017.3	2-3	210	3-5	22.0	19.6	18.6
06	39°19.6N	071°59.9W	OVC		10	230	21	1017.5	2-3	220	3-5	21.7	20.1	19.7
07	39°22.6N	071°56.7W	OVC		10	230	14	1017.4	2-3	230	4-6	21.9	21.1	19.8
08	39°22.1'	071°56.8'	BKN		10	210	11	1017.8	2-3	230	4-5	21.9	22.0	21.0
09	39°26.5'	071°02.0'	SCT		10	220	13	1017.6	2	215	3-4	22.4	22.0	21.0
10	39°22.7'	071°57.4'	SCT		10	210	15	1017.5	2	215	3-4	21.9	22.0	21.6
11	39°26.1'	071°51.2'	SCT		10	215	11	1017.7	1-2	215	3-4	22.8	23.8	22.4
12	39°25.5'	071°54.3'	SCT		10	190 ²⁵³	8	1017.6	1-2	225 ²²⁵	3-5	22.8	23.2	21.4
13	39°27.9'	071°51.6'	SCT		10	280	9	1017.5	1-2	225	3-5	22.3	22.9	20.9
14														
15	39°23.4'	071°55.8'	FEW		10	330	14	1017.1	1-2	225	3-5	22.9	22.1	19.6
16	39°23.9'	071°59.1'	FEW		10	346	11	1016.9	1-2	225	3-5	22.4	21.5	19.3
17	39°25.2'	072°00.5'	FEW		10	330	8	1017.2	1-2	225	3-5	22.9	22.0	19.9
18	39°23.6'	071°54.6'	FEW		10	345	12	1017.8	1-2	225	3-5	22.7	20.9	19.2
19	39°26.9'	071°50.4'	SCT		10	350	14	1017.8	1-2	225	3-5	22.0	20.9	19.2
20	39°25.6'	071°54.1'	SCT		10	015	10	1018.9	1-2	225	3-5	22.0	21.0	19.0
21	39°25.2'	071°46.0'	SCT		10	025	10	1018.7	1-2	200	3-5	21.9	20.6	18.6
22	39°20.9'	071°33.7'	SCT		10	026	12	1018.9	1-2	210	3-5	22.1	20.7	18.6
23	39°19.3'	071°20.9'	SCT		10	010	10	1019.1	1-2	210	3-5	22.1	20.9	18.4

RPA

DECK LOG - WEATHER OBSERVATION SHEET

NOAA Ship **OKEANOS EXPLORER (R-337)** TIME ZONE **-4** DAY OF WEEK **THURSDAY** DATE (dd mmm yyyy) **04 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 N	LONGITUDE W				Dir. (true)	Speed (kts)			Dir. (true)	Height (ft)	SEA WATER	DRY BULB	WET BULB
00	39°17.5	071°07.5	FEW		10	020	17	1018.3	2-3	055	3-4	23.6	20.9	18.8
01	39°16.0	070°56.1	FEW		10	025	14	1018.1	2-3	055	3-4	23.8	21.0	19.0
02	39°14.5	070°44.7	FEW		10	020	11	1017.7	2-3	055	4-5	23.8	20.9	18.6
03	39°17.7	070°41.7	FEW		10	045	10	1017.2	2	055	3-4	23.2	20.9	18.3
04	39°13.4N	070°41.6W	SCT		10	015	07	1017.2	2	055	3-4	23.3	20.9	18.3
05	39°05.4N	070°41.4W	FEW		10	015	09	1017.3	2	055	3-4	23.6	20.9	18.3
06	39°07.9N	070°41.5W	SCT		10	015	09	1017.3	2	055 055	3-4	23.6	21.1	18.1
07	39°09.9N	070°41.7W	SCT		10	000	08	1018.3	2	100	3-4	23.2	20.9	18.1
08	39°09.5'	070°41.7'	BKN		10	000	7	1018.7	2	100	4-5	23.1	21.4	19.6
09	39°08.6'	070°42.3'	BKN		10	010	7	1019.0	2	100	4-5	23.2	21.4	19.1
10	39°07.8'	070°43.0'	BKN		10	020	12	1019.1	1-2	100	4-5	23.2	21.4	19.4
11	39°06.9'	070°43.7'	FEW		10	030	9	1019.0	1-2	100	4-5	23.3	21.4	18.8
12	39°05.6'	070°43.8'	FEW		10	023	6.2	1018.7	1-2	090	3-4	23.3	21.8	18.1
13	39°02.6'	070°40.8'	FEW		10	044	7	1018.0	1-2	040	3-4	23.7	21.3	17.9
14	39°03.3'	070°41.3'	FEW		10	350	4	1017.1	1-2	080	3-4	23.7	21.9	17.8
15	39°03.3'	070°41.4'	FEW		10	350	3	1017.1	1-2	080	3-4	23.7	21.7	17.5
16	39°02.9'	070°40.2'	FEW		10	300	3	1016.4	1	080	3-4 2-3	23.5	21.7	17.7
17	39°04.8'	070°30.9'	FEW		10	300	4	1016.4	1	080	3-4	23.5	21.7	17.6
18	39°07.5'	070°40.0'	BKN		10	320	3	1016.1	1	080	3-4	24.0	21.1	17.8
19	39°11.4'	070°44.7'	BKN		10	185	5	1016.0	1	080	3-4	23.5	21.3	18.2
20	39°10.1'	070°41.5'	FEW		10	206	5	1015.8	1	080	3-4	23.6	21.3	18.3
21	39°02.7'	070°41.7'	FEW		10	240	5	1016.1	1	100	3-4	23.7	21.4	18.3
22	39°10.4'	070°41.5'	FEW		10	235	6	1016.7	1	100	3-4	23.6	21.5	18.4
23	39°17.9'	070°46.6'	FEW		10	233	7	1016.8	1	100	3-4	23.4	21.8	18.9

RPA

DECK LOG – WEATHER OBSERVATION SHEET

NOAA Ship		OKEANOS EXPLORER (R-337)		TIME ZONE	DAY OF WEEK	DATE (dd mmm yyyy)								
				-4	FRIDAY	05 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 N	LONGITUDE W				Dir. (true)	Speed (kts)			Dir. (true)	Height (ft)	SEA WATER	DRY BULB	WET BULB
00	39° 25.0	070° 55.8	CLR		10	230	9	1016.7	1	230	1-2	23.1	22.3	19.6
01	39° 35.4	071° 02.3	CLR		10	231	8	1015.8	1	230	1-2	22.0	22.2	20.0
02	39° 43.9	071° 05.0	OC		10	240	10	1015.6	1-2	230	2-3	23.7	21.8	20.2
03	39° 52.7	071° 07.9	OC		10	250	9	1015.4	1-2	230	2-3	22.4	21.3	20.5
04	40° 03.6N	071° 11.6W	BKN		10	270	10	1015.4	1-2	230	2-3	21.5	21.5	20.7
05	40° 13.1N	071° 14.1W	OC		10	320	09	1015.6	1-2	230	2-3	22.2	21.3	20.4
06	40° 23.1N	071° 16.7W	OC		10	005	11	1016.3	1-2	230	2-3	20.9	20.1	19.6
07	40° 33.4N	071° 19.4W	BKN		10	035	25	1017.9	2-3	230	2-3	19.7	19.6	17.0
08	40° 41.9'	071° 21.6'	BKN		10	050	25	1018.4	2-3	020	3-4	19.1	18.6	16.7
09	40° 51.7'	071° 24.3'	SCT		10	045	29	1019.1	3-4	020	5-6	19.3	18.0	15.5
10	41° 00.8'	071° 26.7'	SCT		10	040	24	1020.4	2-3	020	5-6	19.1	16.8	15.0
11	41° 09.9'	071° 28.5'	SCT		10	025	23	1021.3	1-2	020	4-5	18.7	16.6	13.5
12	SMALL BOAT OPS													
13	SMALL BOAT OPS													
14	41° 20.6'	071° 31.8'	Few		10	028	15	1021.3	1-2	100	3-4	19.9	16.5	21.2
15	41° 23.3'	071° 29.7'	SCT		10	030	15	1021.6	1-2	100	3-4	19.5	16.6	12.6
16	41° 04.5'	071° 27.6'	FEW		10	055	18	1021.3	1-3	100	3-5	18.8	16.2	13.3
17	40° 55.7'	071° 29.5'	FEW		10	055	18	1021.4	1-3	100	3-5	19.1	15.6	12.3
18	40° 45.9'	071° 32.4'	FEW		10	050	14	1021.3	1-2	100	3-5	18.9	15.6	12.9
19	40° 35.1'	071° 35.7'	FEW		10	040	14	1021.9	1-2	100	3-4	19.1	15.5	13.1
20	40° 26.3'	071° 38.3'	BKN		10	042	12	1022.1	1-2	100	3-4	19.3	15.5	13.3
21	40° 16.5'	071° 43.9'	BKN		10	045	12	1022.2	1-2	050	3-4	20.7	16.3	14.6
22	40° 09.2'	071° 52.6'	BKN		10	060	12	1022.5	1-2	060	3-4	20.0	16.9	15.2
23	40° 02.0'	072° 02.1'	BKN		10	065	11	1022.8	1-2	060	3-4	20.2	17.2	15.5

DECK LOG – WEATHER OBSERVATION SHEET

NOAA Ship <u>OKEANOS EXPLORER (R-337)</u>							TIME ZONE <u>- 4</u>	DAY OF WEEK <u>SATURDAY</u>	DATE (dd mmm yyyy) <u>06 OCT 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	39°54.8	072°14.2	OVC		10	060	12	1023.0	1-2	180	2-3	20.1	17.4	15.7
01	39°46.5	072°22.9	OVC		10	055	10	1022.5	1-2	110	2-3	20.2	18.1	16.0
02	39°37.1	072°26.6	OVC	DZ	10	055	11	1022.5	1-2	090	2-4	20.5	18.1	16.2
03	39°31.3	072°24.9	OVC		10	055	16	1021.5	2	090	3-4	22.3	18.4	16.8
04	39°38.1N	072°25.7W	OVC		10	080	14	1021.1	2	090	3-4	21.7	18.1	16.3
05	39°35.3N	072°24.3W	BKN		10	050	11	1021.7	2	090	3-4	21.6	18.0	16.0
06	39°26.2N	072°24.4W	OVC		10	050	12	1022.0	2	090	3-4	21.5	18.2	16.2
07	39°16.5N	072°22.9W	BKN		10	045	13	1022.4	2	090	3-4	22.2	18.8	16.7
08	39°09.1'	072°14.3'	OVC		10	055	14	1022.5	2	080	3-4	21.9	19.5	17.2
09	39°02.0'	072°06.3'	SCT		10	065	12	1023.1	1-2	070	3-4	21.6	19.8	17.0
10	38°55.1'	071°58.7'	SCT		10	045	14	1023.3	1-2	070	4	21.9	20.0	17.4
11	38°45.0'	071°59.2'	SCT		10	060	11	1023.6	1-2	070	3-4	23.3	20.3	17.6
12	38°35.8'	071°59.6'	SCT		10	053	13	1023.7	1-2	070	3-5	24.0	20.7	17.4
13	38°25.3'	072°00.2'	SCT		10	052	11	1023.6	1-2	070	3-5	24.2	20.8	17.4
14	38°13.8'	072°00.8'	SCT		10	048	10	1023.4	1-2	060	3-5	24.2	20.8	17.5
15	38°04.4'	072°01.2'	SCT		10	043	10	1023.3	1-2	060	3-5	24.2	21.2	17.6
16	37°53.9'	072°01.8'	SCT		10	040	10	1023.2	1-2	060	3-5	24.6	21.5	18.0
17	37°44.9'	072°02.2'	SCT		10	040	10	1022.9	1-2	050	3-5	25.1	22.3	18.5
18	37°35.3'	072°02.7'	SCT		10	040	9	1022.9	1-2	050	3-6	27.7	22.9	19.2
19	37°27.8'	072°03.1'	SCT		10	045	7	1022.9	1-2	050	4-6	28.3	22.3	18.8
20	37°19.8'	072°03.5'	SCT		10	033	9	1022.8	1-2	000	4-6	28.7	22.6	19.4
21	37°10.2'	072°04.0'	SCT		10	045	9	1022.8	1-2	000	4-6	28.8	23.0	19.3
22	37°00.5'	072°04.5'	SCT		10	053	10	1023.2	1-2	000	4-6	27.4	23.1	19.7
23	36°50.8'	072°04.9'	SCT		10	057	9	1023.3	1-2	000	4-6	27.2	23.4	19.8

RPA

DECK LOG – WEATHER OBSERVATION SHEET

NOAA Ship OKEANOS EXPLORER (R337) TIME ZONE -4 DAY OF WEEK SUNDAY DATE (dd mmm yyyy) 07 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 _N	LONGITUDE _W				Dir. (true)	Speed (kts)			Dir. (true)	Height (ft)	SEA WATER	DRY BULB	WET BULB
00	36° 41.6	072° 05.5	CLR		10	060	7	1023.1	1-2	010	4-5	27.2	23.5	20.0
01	36° 32.1	072° 05.9	CLR		10	045	8	1022.7	1-2	010	4-5	27.2	23.5	20.0
02	36° 21.2	072° 06.5	FEW		10	070	8	1022.5	1-2	000	4-5	27.2	23.8	20.1
03	36° 10.5	072° 07.0	FEW		10	050	5	1022.5	1-2	000	4	27.2	23.9	20.4
04	36° 03.8 N	072° 07.3 W	SCT		10	040	7	1022.5	1-2	000	4	27.2	24.1	20.2
05	35° 54.5 N	072° 07.8 W	SCT		10	040	9	1022.6	1-2	000	4	27.2	24.3	20.7
06	35° 45.1 N	072° 08.3 W	SCT		10	045	7	1022.9	1-2	000	4	27.1	24.4	20.5
07	35° 36.2 N	072° 08.7 W	SCT		10	050	8	1023.2	1-2	000 050	4	27.6	24.7	21.1
08	35° 28.1'	072° 09.1'	FEW		10	040	9	1023.3	2	050	4	27.8	24.1	22.3
09	35° 20.2'	072° 09.5'	FEW		10	055	11	1023.6	2	050	4	27.2	25.8	22.3
10	35° 12.7'	072° 09.9'	FEW		10	050	9	1024.2	2	050	4	27.3	25.9	22.4
11	35° 04.9'	072° 10.3'	FEW		10	050	10	1024.2	2	050	4	27.5	25.9	22.2
12	34° 56.1'	072° 10.7'	FEW		10	056	11	1024.3	1-2	055	4-5	27.7	26.0	21.1
13	34° 46.5'	072° 11.2'	FEW		10	052	10	1024.1	1-2	080	4-5	27.5	26.2	22.2
14	34° 37.1'	072° 11.6'	SCT		10	050	9	1024.0	1-2	080	3-5	27.6	26.2	22.2
15	34° 26.6'	072° 12.1'	SCT		10	054	8	1023.5	1-2	080	3-5	27.4	25.7	21.6
16	34° 16.5'	072° 12.7'	SCT		10	065	11	1023.3	1-2	080	3-5	27.4	25.9	21.8
17	34° 06.7'	072° 13.1'	SCT		10	065	11	1022.8	1-2	080	3-5	27.4	25.9	21.7
18	33° 56.2'	072° 13.6'	SCT		10	065	12.5	1022.7	1-2	050 080	3-4	27.2	25.9	21.4
19	33° 45.8'	072° 14.1'	SCT		10	075	12	1022.8	1-2	080	3-4	27.3	25.8	21.7
20	33° 35.4'	072° 14.6'	SCT		10	080	13	1022.9	1-2	080	3-4	27.3	25.8	22.2
21	33° 24.7'	072° 15.1'	SCT		10	070	14	1023.1	1-2	080	3-4	27.2	25.7	21.6
22	33° 14.2'	072° 15.6'	SCT		10	080	15	1023.3	1-2	080	3-4	27.4	25.8	22.0
23	33° 03.7'	072° 16.1'	SCT		10	070	15	1023.4	1-2	080	3-4	27.3	25.7	22.0

DECK LOG - WEATHER OBSERVATION SHEET

NOAA Ship <u>OKEANOS EXPLORER (R-337)</u>				TIME ZONE <u>-4</u>	DAY OF WEEK <u>MONDAY</u>	DATE (dd mmm yyyy) <u>08 OCT 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	32°52.6	072°16.7	FEW		10	075	17	1023.2	2-3	090	3-5	27.0	25.7	21.9
01	32°43.1	072°17.1	FEW		10	070	17	1022.8	2-3	090	3-5	27.1	25.7	22.2
02	32°32.7	072°17.6	FEW		10	055	16	1022.7	2-3	090	3-5	27.1	25.7	22.4
03	32°23.0	072°18.1	FEW		10	070	18	1022.5	2-3	090	3-5	26.9	25.7	22.3
04	32°13.2N	072°18.6W	FEW		10	075	18	1022.1	2-3	090	3-5	27.4	25.9	22.3
05	32°03.5N	072°19.0W	SCT		10	075	17	1021.9	2-3	090	3-5	27.1	25.8	21.9
06	31°52.8N	072°19.5W	SCT		10	070	17	1021.9	2-3	090	3-5	26.9	25.9	22.0
07	31°43.7N	072°19.9W	SCT		10	060	16	1022.1	2	090	3-5	27.0	25.9	22.3
08	31°33.7'	072°20.4'	BKN		10	070	18	1022.2	1-2	100	3-5	27.1	25.9	22.6
09	31°23.4'	072°20.9'	BKN		10	050	13	—	2	070	3-5	—	26.5	23.8
10	31°13.6'	072°21.4'	SCT		10	070	19	1022.8	3	070	4-5	27.4	26.9	22.8
11	31°04.7'	072°21.7'	BKN		10	070	18	1022.8	2-3	070	4-5	26.7	26.5	22.1
12	30°54.5'	072°22.3'	SCT		10	060	19	1022.8	2-3	070	4-5	27.6	26.9	22.2
13	30°45.2'	072°22.7'	SCT		10	075	19	1022.8	2-3	070	4-5	27.2	26.9	22.6
14	30°36.2'	072°23.1'	SCT		10	075	21	1021.3	2-4	070	4-6	27.2	26.8	22.2
15	30°26.1'	072°23.6'	SCT		10	080	20	1020.7	2-4	070	4-6	27.9	26.8	21.5
16	30°18.7'	072°17.7'	SCT		10	070	22	1020.4	2-4	070	4-6	27.8	26.6	22.7
17	30°12.1'	072°11.5'	SCT		10	080	21	1020.3	2-4	090	5-7	28.1	27.0	23.1
18	30°05.2'	072°05.1'	SCT		10	090	24	1020.2	2-4	090	6-7	27.7	27.2	22.8
19	29°58.6'	071°58.9'	SCT		10	075	23	1020.1	2-4	100	6-8	28.1	27.2	23.3
20	29°51.9'	071°52.6'	SCT		10	085	25	1020.1	2-4	100	5-7	28.1	27.1	23.6
21	29°45.7'	071°46.3'	SCT		10	080	25	1020.5	2-4	120	5-7	28.1	27.1	23.6
22	29°42.6'	071°54.6'	SCT		10	095	21	1021.1	2-3	120	5-7	28.0	27.1	23.5
23	29°39.8'	072°03.7'	SCT		10	090	23	1021.3	2-3	120	4-6	28.0	27.2	23.5

0900 BRIDGE COMPUTER DOWN FOR MAINTENANCE

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	29° 37.0	072° 12.8	FEW		10	090	22	1021.0	2-3	090 5-6	27.9	24.4	23.9	BSC
01	29° 34.3	072° 21.7	FEW		10	090	23	1020.8	2-3	100 5-6	27.9	27.1	23.5	
02	29° 31.7	072° 30.4	FEW		10	095	21	1020.3	2-3	100 5-6	28.0	27.2	24.0	
03	29° 29.0	072° 39.1	FEW		10	095	24	1019.3	2-3	100 5-6	28.0	27.1	23.7	
04	29° 26.4N	072° 47.6	FEW	LTG	10	090	20	1019.4	2-3	100 5-6	27.9	27.2	24.0	
05	29° 23.9N	072° 55.5W	FEW	LTG	10	095	22	1018.6	2-3	100 5-6	27.6	27.1	24.1	
06	29° 21.3N	073° 04.3W	SCT		10	090	25	1018.6	2-3	100 5-6	27.9	27.3	24.3	
07	29° 18.6 N	073° 03.2	BKN		10	090	21	1018.8	2-3	100 6-7	28.0	27.4	24.8	BA
08	29° 15.9'	073° 21.8'	SCT		10	095	30	1018.8	3	160 6-7	27.8	28.0	24.7	
09	29° 13.2'	073° 30.6'	BKN		10	085	25	1019.3	3-5	160 7-9	27.9	28.6	25.2	
10	29° 10.7'	073° 38.7'	OVC SQ, RA	SQ, RA	8	115	20	1019.6	3-5	160 7-9	27.6	24.7	23.7	AM
11	29° 08.2'	073° 46.9'	OVC		10	110	25	1019.6	3-4	160 8-10	27.9	26.1	24.5	
12	29° 07.6'	073° 45.4'	OVC		10	120	25	1019.2	3-5	160 10-12	28.1	26.4	24.1	
13	29° 07.7'	073° 02.2'	OVC		10	110	24	1018.7	3-5	100 10-12	28.0	26.7	24.5	
14	29° 07.6N	073° 38.7W	OVC		10	100	25	1017.8	3-5	100 10-12	28.0	27.6	24.6	
15	29° 08.1'	073° 34.9'	OVC		10	115	26	1017.5	3-5	100 10-12	27.9	26.7	24.3	
16	29° 08.2'	073° 31.6'	OVC	RA SQ	9	100	27.5	1017.5	3-5	100 10-12	27.5	27.3	24.9	
17	29° 08.5'	073° 28.1'	OVC	RA SQ	8	100 120	28	1017.5	3-5	100 10-12	27.8	27.6	24.9	RP
18	29° 08.7'	073° 24.5'	BKN		9	110	23	1017.5	3-5	100 9-11	27.9	27.4	24.8	
19	29° 09.1'	073° 20.8'	BKN		9	130	27.5	1017.4	3-5	100 9-11	28.0	27.2	24.3	
20	29° 09.4'	073° 16.7'	BKN		9	135	22	1018.0	3-5	100 9-11	27.9	27.4	24.6	
21	29° 09.9'	073° 12.8'	SCT		10	120	21.3	1018.4	2-4	100 8-10	27.8	27.5	24.3	
22	29° 10.1'	073° 08.8	SCT		10	120	24	1018.5	2-4	100 8-10	27.9	27.6	24.1	
23	29° 10.3'	073° 04.6'	SCT		10	130	23	1018.9	2-4	100 8-10	28.0	27.2	24.8	

0000 DRY BULB 27.4. SWELL WAVES DIR 095° T

DECK LOG – WEATHER OBSERVATION SHEET

NOAA Ship OKEANOS EXPLORER (R-337) TIME ZONE -4 DAY OF WEEK WEDNESDAY DATE (dd mmm yyyy) 10 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 ^N	LONGITUDE ^W				Dir. (true)	Speed (kts)			Dir. (true)	Height (ft)	SEA WATER	DRY BULB	WET BULB
00	29°10.4	073°01.1	FEW		8	128	23	1018.9	3-4	100	8-9	28.2	27.5	24.5
01	29°10.3	072°57.3	FEW		9	125	21	1018.8	3-4	100	8	28.0	26.9	24.9
02	29°10.3	072°53.4	FEW		10	142	21	1018.5	3-4	100	7-8	27.9	27.0	24.3
03	29°10.0	072°49.6	FEW		10	124	21	1018.0	3-4	100	7-8	28.1	26.6	24.6
04	29°09.9 N	072°45.2 W	FEW		10	155	22	1017.5	3-4	100	7-8	27.9	25.8	23.7
05	29°09.8 N	072°41.2 W	SCT		10	135	26	1017.7	3-4	100	7-8	28.0	26.4	23.6
06	29°10.1 N	072°36.9 W	SCT		10	140	22	1017.8	3-4	100	7-8	28.1	27.2	24.2
07	29°11.9 N	072°31.5 W	SCT		10	140	21	1017.7	3-4	100	6-8	28.0	27.3	24.3
08	29°18.6'	072°22.7'	SCT		10	120	24	1017.8	3-4	100	6-8	28.1	27.3	23.9
09	29°26.4'	072°17.2'	SCT		10	110	20	1019.0	2-3	110	5-7	28.0	27.3	23.6
10	29°33.8'	072°15.0'	SCT		10	120	16	1019.8	2-3	120	5-6	28.0	27.6	23.9
11	29°31.1'	072°23.6'	SCT		10	115	17	1019.6	2-3	120	5-6	28.0	27.7	23.7
12	29°28.2'	072°32.8'	SCT		10	117	15	1019.3	2-3	130	4-6	27.6	27.5	23.9
13	29°25.5'	072°41.9'	SCT		10	117	14	1019.0	2-3	130	4-6	27.7	27.7	24.2
14	DRILLS													
15	29°19.5'	073°01.5'	SCT		10	130	17	1017.1	2-3	130	4-6	27.9	28.2	24.2
16	29°17.3'	073°08.2'	SCT		10	125	16	1016.8	2-3	130	4-6	27.8	27.9	24.2
17	29°14.6'	073°16.8'	SCT		10	125	16	1016.5	2-3	130	4-6	27.5	27.6	24.3
18	29°11.8'	073°25.9'	SCT		10	130	16	1016.3	2-3	130	4-6	27.7	27.7	24.6
19	29°08.8'	073°35.8'	SCT		10	125	11	1016.5	2-3	130	4-6	28.0	25.9	24.5
20	29°06.4'	073°43.3'	SCT		10	130	14	1016.4	2-3	130	4-6	27.9	27.6	25.1
21	29°03.5'	073°52.5'	SCT		10	145	18	1016.4	2-3	130	4-6	28.0	27.9	24.6
22	29°00.8'	074°01.2'	SCT		10	145	18	1016.4	2-3	140	4-6	28.3	27.9	24.4
23	29°00.5'	073°54.3'	SCT		10	165	17	1016.8	2-3	140	5-7	28.4	28.0	24.6

DECK LOG – WEATHER OBSERVATION SHEET

NOAA Ship					TIME ZONE	DAY OF WEEK	DATE (dd mmm yyyy)							
OKEANOS EXPLORER (R-337)					-4	THURSDAY	11 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 N	LONGITUDE W				Dir. (true)	Speed (kts)			Dir. (true)	Height (ft)	SEA WATER	DRY BULB	WET BULB
00	29°02.7	073°47.4	CLR		10	155	21	1016.0	2-3	135	5-7	28.3	27.7	24.6
01	29°04.4	073°42.1	CLR		10	150	18	1016.1	2-3	135	5-7	28.0	27.7	24.1
02	29°05.8	073°37.2	CLR		10	152	18	1015.6	2-3	135	5-6	27.9	27.4	24.0
03	29°07.3	073°32.6	CLR		10	155	19	1014.8	2-3	135	5-6	27.8	27.3	23.8
04	29°08.0N	073°27.8W	CLR		10	160	17	1014.3	2-3	135	5-6	27.8	27.3	23.7
05	29°10.5N	073°22.0W	SCT		10	165	17	1014.3	2-3	135	5-6	27.7	27.2	23.4
06	29°12.7N	073°14.9W	SCT		10	175	16	1014.7	2-3	135	5-6	27.7	27.2	23.4
07	29°15.6N	073°04.9W	SCT		10	165	17	1014.8	1-2	130	4-5	27.6	27.1	23.4
08	29°17.9'	072°55.8'	SCT		10	160	15	1015.6	1-2	130	3-4	27.6	27.8	25.0
09	29°20.9'	072°47.2'	SCT		10	160	14	1016.1	1-2	130	3-4	28.2	27.8	24.7
10	29°23.6'	072°38.1'	SCT		10	155	15	1015.9	1-3	130	3-4	27.9	27.7	25.3
11	29°26.7'	072°28.6'	SCT		10	160	14	1016.1	1-3	130/110	3-4	27.8	27.8	24.9
12	29°29.5'	072°19.1'	SCT		10	171	14	1015.7	1-2	130	3-4	27.7	27.3	23.8
13	29°27.9'	072°14.0'	SCT		10	185	12	1015.4	1-2	170	3-4	28.0	27.2	23.3
14	29°25.2'	072°23.5'	SCT		10	165	13	1014.7	1-2	180	3-4	27.8	27.2	23.6
15	29°22.4'	072°32.6'	SCT		10	176	15	1014.3	1-2	180	3-4	28.0	27.8	23.6
16	29°19.6'	072°41.8'	SCT		10	170	15	1013.7	2	180	3-4	28.4	27.8	23.7
17	29°16.6'	072°50.5'	SCT		10	175	16	1013.5	2	180	3-4	28.4	27.9	23.4
18	29°13.3'	073°00.3'	SCT		10	180	14	1013.3	2	180	3-4	28.4	27.7	23.4
19	29°10.9'	073°09.7'	SCT		10	180	16	1013.2	2	180	3-4	27.8	27.7	23.3
20	29°08.1'	073°18.5'	SCT		10	175	17	1013.1	2-4	180	3-4	27.7	27.4	24.1
21	29°05.6'	073°27.6'	SCT		10	175	19	1013.0	2	180	3-4	27.8	27.5	24.6
22	29°03.1'	073°36.4'	SCT		10	177	19	1012.9	2	170	3-5	28.0	27.7	24.4
23	29°00.6'	073°45.0'	SCT		10	185	20	1012.9	2	170	3-5	28.4	27.9	24.5

DECK LOG - WEATHER OBSERVATION SHEET

NOAA Ship				TIME ZONE		DAY OF WEEK		DATE (dd mmm yyyy)						
OKEANOS EXPLORER (R-337)				-4		FRIDAY		12 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 N	LONGITUDE W				Dir. (true)	Speed (kts)			Dir. (true)	Height (ft)	SEA WATER	DRY BULB	WET BULB
00	28°57.8	073°54.2	RA		8	180	22	1012.7	2-3	175	4-5	28.5	26.6	24.1
01	28°54.9	073°56.0	RA VC		8	185	23	1012.2	2-3	170	4-5	28.5	27.7	24.6
02	28°57.5	073°46.9	RA VC		9	200	17	1012.2	2-3	170	4-5	28.6	27.4	24.9
03	29°00.2	073°37.1	SCT		9	220	20	1011.4	2-3	2170	4-5	28.5	27.2	24.9
04	29°01.9N	073°30.2W	SCT		9	210	20	1011.2	2-3	170	4-5	28.5	27.8	24.7
05	29°04.3N	073°21.6W	SCT		10	205	20	1011.2	2-3	170	4-5	28.4	27.7	24.7
06	29°07.2N	073°12.0W	SCT		10	200	21	1010.9	2-3	170	4-5	27.8	27.6	24.4
07	29°09.3N	073°03.3W	SCT		10	200	18	1011.7	2-3	165	4-5 ³⁻⁵	27.6	27.7	24.5
08	29°12.1'	072°53.8'	SCT		10	210	17	1012.0	2-3	200	3-4	27.6	28.2	26.5
09	29°14.9'	072°45.5'	BKN		10	210	17	1012.2	1-3	200	3-4	27.7	27.8	25.9
10	29°18.2'	072°36.9'	OVC		10	210	16	1012.8	2-3	200 ⁰⁹⁰	3-4	27.6	28.3	26.1
11	29°21.0'	072°28.9'	OVC		10	225	19	1012.8	2-3	200 ⁰⁹⁰	3-4 ⁵	28.0	28.4	26.3
12	29°23.4'	072°20.4'	OVC	VCRN	5	217	16	1013.3	2-3	220	3-5	27.8	28.1	24.6
13	29°26.0'	072°11.3'	OVC	RA	2-3	266	13	1013.2	2-3	220	3-5	27.7	26.0	24.6
14	29°22.3'	072°13.6'	OVC	RA	2-3	268	17	1012.1	2-3	260	3-5	27.6	25.5	24.5
15	29°20.1'	072°21.2'	OVC	VCRN	10	205	16	1011.7	2-3	255	4-6	27.7	25.8	24.1
16	29°17.6'	072°29.7'	OVC	RA	9	245	18	1011.5	2-3	250	4-6	28.1	27.4	24.3
17	29°14.7'	072°38.1'	OVC	RA SQ	7-9	200	15	1011.5	2-3	240	4-6	28.2	26.7	24.9
18	29°11.7'	072°47.2'	SCT ^{BKN}		10	220	17	1011.6	1-3	240	4-6	27.8	26.0	24.4
19	29°08.3'	072°54.9'	BKN		10	180	15	1011.3	1-2	240	4-6	27.5	26.5	25.1
20	29°05.7'	073°03.8'	BKN		10	195	19	1010.9	1-2	240	4-6	27.7	26.7	24.7
21	29°03.4'	073°13.0'	BKN		10	205	18	1011.3	1-2	240	4-6	27.7	27.2	25.1
22	29°01.3'	073°20.7'	BKN		10	215	19	1011.4	2-3	240	4-6	27.5	27.4	24.5
23	28°59.1'	073°28.7'	SCT		10	225	18	1011.6	2-3	240	4-6	28.3	27.4	25.1

DECK LOG – WEATHER OBSERVATION SHEET

NOAA Ship		OKEANOS EXPLORER (R-337)		TIME ZONE	DAY OF WEEK	DATE (dd mmm yyyy)								
				-4	SATURDAY	13 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 N	LONGITUDE W				Dir. (true)	Speed (kts)			Dir. (true)	Height (ft)	SEA WATER	DRY BULB	WET BULB
00	28° 56.9	073° 37.2	SCT		10	215	21	1011.9	2-3	220	4-5	28.5	27.5	24.6
01	28° 54.4	073° 45.9	SCT		10	200	20	1011.4	2-3	225	4-5	28.5	27.4	24.7
02	28° 52.1	073° 54.0	SCT		10	215	21	1011.4	2-3	230	4-5	28.5	27.5	24.8
03	28° 49.2	073° 52.3	FEW		10	240	22	1010.9	2-3	230	4-5	28.6	27.5	24.8
04	28° 51.4N	073° 43.9W	FEW		10	215	19	1011.1	2-3	230	4-5	28.6	27.4	25.3
05	28° 54.1N	073° 34.6W	SCT	LTG	10	220	17	1011.3	2-3	230	4-5	28.5	27.5	25.0
06	28° 56.8N	073° 24.5W	BKN	RA SQ	10	225	18	1011.5	2-3	230	4-5	28.6	27.2	24.9
07	28° 59.6N	073° 14.6W	BKN	RA SQ	6-7 10	215	17	1012.0	2-3	260	4-5	28.5	27.6	24.9
08	29° 01.5'	073° 06.1'	BKN		8-10	235	25	1012.5	2-3	200	4-5	28.4	27.5	26.3
09	29° 04.1'	072° 57.1'	BKN	RA VC	5-8	225	26	1013.3	2-3	220	4-5	27.6	26.3	25.5
10	29° 07.2'	072° 48.7'	BKN		10	220	21	1013.7	2-3	140 240	4-5	27.5	26.5	25.7
11	29° 10.5'	072° 40.2'	OVC	RA VC	9-10	235	21	1013.9	2-3	240	4-5	28.1	26.8	25.5
12	29° 13.3'	072° 31.6'	OVC	VC RA	9-10	216	17.7	1014.2	2-3	220	4-5	27.8	26.3	24.8
13	29° 18.0'	072° 18.0'	OVC	VC RA	9-10	290	16	1015.3	2-3	220	4-5	27.9	26.2	24.1
14	29° 19.3'	072° 13.4'	OVC	RA	2-3	249	19	1013.6	2-3	220	4-5	27.9	25.1	24.3
15	29° 17.9'	072° 07.3'	OVC	VC RA	9-10	297	5	1013.7	2-3	235	4-5	27.7	26.7	24.8
16	29° 15.8'	072° 15.0'	BKN		10	275	9.5	1013.9	2-3	245	4-6	27.9	27.3	24.8
17	29° 13.2'	072° 23.8'	BKN		10	280	5	1014.0	2-3	245	5-7	28.2	27.2	24.6
18	29° 09.7'	072° 32.9'	BKN	RA SQ	10	350	8	1014.3	1-2	250	4-5	27.7	26.1	24.0
19	29° 06.6'	072° 41.8'	BKN		10	345	3	1014.8	1-2	250	2-4	27.7	24.9	23.2
20	29° 03.3'	072° 50.6'	BKN		10	115	5	1014.9	1-2	210	2-4	27.5	25.7	23.3
21	29° 00.0'	072° 59.7'	SCT		10	120	10	1015.3	1-2	210	2-4	28.0	26.5	24.1
22	28° 57.0'	073° 09.7'	SCT		10	125	7	1015.8	1-2	200	2-4	28.5	26.4	24.4
23	28° 54.8'	073° 19.2'	SCT		10	100	4	1016.3	1-2	200	2-4	28.5	27.0	24.1

DECK LOG - WEATHER OBSERVATION SHEET

NOAA Ship		OKEANOS EXPLORER (R-337)		TIME ZONE	DAY OF WEEK	DATE (dd mmm yyyy)								
				-4	SUNDAY	14 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 N	LONGITUDE W				Dir. (true)	Speed (kts)			Dir. (true)	Height (ft)	SEA WATER	DRY BULB	WET BULB
00	28°52.5	073°29.3	FEW		10	120	4	1016.5	1-2	230	3-4	28.4	26.9	24.4
01	28°50.1	073°37.6	SCT		10	190	3	1016.6	1-2	220	3-4	28.5	26.8	24.7
02	28°47.1	073°47.1	SCT		10	310	2	1016.7	1-2	220	3-4	28.4	26.7	24.4
03	28°42.4N	073°51.5W	OVC		9	015	3	1016.2	1-2	220	3	28.5	26.9	24.5
04	28°44.4 N	073°43.5W	OVC		10	VAR	LT	1016.3	1-2	220	3	28.4	26.8	24.5
05	28°47.4N	073°33.7W	BKN		9	355	5	1016.5	1-2	220	3	28.4	26.9	24.5
06	28°49.9N	073°25.2W	BKN	DE	9	025	10	1016.7	1-2	220	3	28.4	26.9	24.3
07	28°52.2N	073°15.6W	BKN		10	035	12	1017.2	1-2	220 050	3	28.5	27.1	24.0
08	28°54.4'	073°06.1'	BKN		10	070	13	1018.2	1-2	030	3	28.5	27.2	25.0
09	28°57.2'	072°56.8'	SCT		10	075	12	1019.1	1-2	030/120	3	28.5	27.1	25.1
10	29°00.2'	072°48.4'	SCT		10	055	11	1019.3	1-2	030/210	3	28.5	27.2	25.3
11	29°03.6'	072°39.6'	SCT		10	050	11	1019.6	1-2	030/210	3	27.8	27.3	25.0
12	29°06.9'	072°30.8'	SCT		10	055	10	1019.6	1-2	030	3	27.7	26.9	24.2
13	29°11.3'	072°19.7'	SCT		10	031	12	1018.6	1-2	040	3	—	26.9	24.4
14	29°13.5'	072°12.5'	SCT		10	050	15	1018.3	1-2	040	3	—	26.9	24.3
15	OPS													
16	29°11.4'	072°09.1'	SCT		10	070	13	1018.7	1-2	040	3	—	29.0	25.5
17	29°08.9'	072°17.6'	SCT		10	065	11	1018.8	1-2	040	3	—	27.8	24.4
18	29°05.3'	072°27.1'	SCT		10	070	10	1018.8	1-2	040	3	—	28.1	24.8
19	29°01.7'	072°36.1'	SCT		10	070	9.5	1019.4	1-2	040	3	—	27.3	24.5
20	28°58.2'	072°45.2'	SCT		10	065	12	1019.8	1-2	040	2-3	—	27.5	24.6
21	28°54.6'	072°54.1'	SCT		10	070	12	1020.3	1-2	040	2-3	—	27.5	24.2
22	28°51.8'	073°03.1'	SCT		10	080	13	1020.9	1-2	040	2-3	—	27.6	24.8
23	28°49.3'	073°13.0'	SCT		10	090	13	1020.9	1-2	040	2-3	—	27.3	24.6

DECK LOG – WEATHER OBSERVATION SHEET

NOAA Ship		OKEANOS EXPLORER (R-337)		TIME ZONE	-4		DAY OF WEEK	MONDAY		DATE (dd mmm yyyy)	15 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 N	LONGITUDE W				Dir. (true)	Speed (kts)			Dir. (true)	Height (ft)	SEA WATER	DRY BULB	WET BULB
00	28° 47.4N	073° 22.4	FEW		10	090	11	1020.8	1-2	040	2-3	—	27.5	24.8
01	28° 44.7	073° 31.7	FEW		10	090	9	1020.3	1-2	040	2-3	—	27.2	24.5
02	28° 42.0	073° 40.9	FEW		10	093	8	1020.2	1-2	040	2-3	—	27.2	24.6
03	28° 39.1N	073° 50.7W	FEW		10	110	7	1019.9	1-2	040	2-3	—	27.4	25.0
04	28° 33.5N	073° 46.1W	FEW		10	170	10	1019.6	1-2	040	2-3	—	27.5	24.3
05	28° 35.4N	073° 37.3W	FEW		10	175	10	1019.5	1-2	040	2-3	—	27.4	24.3
06	28° 36.9N	073° 28.2W	SCT		10	190	10	1019.9	1-2	040	2-3	—	27.3	24.2
07	28° 39.7N	073° 17.8W	SCT		10	190	7	1020.8	1-2	030	2-3	—	27.5	24.0
08	28° 42.3'	073° 09.0'	SCT		10	165	6	1021.4	1-2	030	2-3	—	28.5	25.5
09	28° 45.1'	072° 59.5'	SCT		10	120	4	1022.1	1-2	030	2-3	—	28.4	25.6
10	28° 48.0'	072° 49.7'	SCT		10	115	4	1022.4	1-2	030	2-3	—	28.4	25.5
11	28° 51.0'	072° 42.0'	SCT		10	115	5	1022.5	1-2	030	2-3	28.5	28.5	25.5
12	28° 55.9'	072° 44.4'	SCT		10	094	8	1022.2	1-2	030	2-3	28.6	27.9	24.4
13	28° 58.8'	072° 35.2'	SCT		10	132	8	1021.5	1-2	040	2-4	28.5	27.6	23.6
14	29° 01.7'	072° 26.2'	FEW		10	138	8	1021.2	1-2	060	2-4	28.7	27.6	22.9
15	29° 05.9'	072° 17.6'	SCT		10	135	6	1021.0	1-2	060	2-4	28.1	27.4	23.5
16	29° 08.3'	072° 08.9'	SCT		10	135	9	1020.9	1-2	060	2-4	28.3	27.3	24.3
17	29° 11.1'	071° 59.4'	FEW		10	135	9	1021.2	1-2	060	2-4	28.3	27.4	24.1
18	29° 13.7'	071° 50.3'	FEW		10	135	9	1021.4	1-2	060	2-4	27.9	27.2	23.9
19	29° 14.5'	071° 41.8'	FEW		10	100	8	1021.8	1-2	060	2-4	27.9	27.2	23.8
20	29° 10.8'	071° 49.1'	FEW		10	110	9	1022.3	1-2	030	2-3	27.8	27.0	23.8
21	29° 08.4'	071° 58.8'	FEW		10	105	10	1022.4	1-2	030	2-3	28.0	27.0	24.0
22	29° 05.5'	072° 08.0'	FEW		10	115	11	1022.9	1-2	040	2-3	28.1	27.1	24.0
23	29° 02.8'	072° 17.5'	FEW		10	110	10	1022.6	1-2	040	2-3	27.7	27.1	24.5

00-10 TSG DOWN FOR MAINTENANCE

DECK LOG – WEATHER OBSERVATION SHEET

NOAA Ship OKEANOS EXPLORER (R-337) TIME ZONE -4 DAY OF WEEK TUESDAY DATE (dd mmm yyyy) 16 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 <small>N</small>	LONGITUDE <small>W</small>				Dir. (true)	Speed (kts)			Dir. (true)	Height (ft)	SEA WATER	DRY BULB	WET BULB
00	28° 58.6	072° 26.7	FEW		10	115	11	1022.2	1-2	130	2-3	28.5	27.3	24.2
01	28° 55.5	072° 35.4	FEW		10	120	10	1021.6	1-2	140	2-3	28.5	27.3	24.4
02	28° 52.3	072° 43.7	FEW		10	130	13	1021.4	1-2	140	2-3	28.6	27.4	24.6
03	28° 51.3	072° 37.0	FEW		10	145	11	1021.0	1-2	140	2-3	28.6	27.3	24.4
04	28° 54.1 N	072° 28.4 W	FEW		10	150	10	1020.9	1-2	140	2-3	28.5	27.3	24.6
05	28° 58.3 N	072° 20.0 W	FEW		10	145	10	1021.0	1-2	140	2-3	28.5	27.2	24.1
06	29° 01.4 N	072° 11.3 W	SCT		10	150	9	1021.8	1-2	140	2-3	27.8	27.0	24.1
07	29° 04.4 N	072° 01.5 W	SCT		10	145	8	1022.4	1-2	110	2-3	28.0	26.9	23.9
08	29° 03.5 N	071° 54.8 W	SCT		10	140	4	1022.8	1-2	120	2-3	27.7	27.0	23.9
09	29° 00.6'	072° 03.6'	FEW		10	140	7	1023.3	1	100	2-3	28.0	28.5	25.5
10	28° 57.7'	072° 12.8'	FEW		10	125	7	1023.4	1	110/210	2-3	27.7	28.6	25.1
11	28° 53.6	072° 21.6	FEW		10	130	8	1023.2	1	110/210	2-3	28.5	28.4	25.5
12	28° 49.4	072° 30.8	SCT		10	122	8	1022.8	1	130	2-3	28.6	27.6	24.5
13	28° 47.1	072° 39.7	SCT		10	132	8	1022.1	1	070/190	2-3	28.7	27.6	24.4
14	28° 44.7'	072° 49.4	SCT		10	120	8	1021.1	1	150	2-3	28.8	28.1	24.6
15	28° 41.5'	073° 06.2	SCT		10	130	7	1020.9	1	150	2-3	28.9	28.0	24.3
16	28° 39.1'	073° 08.6'	FEW		10	120	8	1020.6	1	150	2-3	28.8	28.3	24.3
17	28° 36.6'	073° 17.1'	FEW		10	125	8	1020.7	1	150	2-3	28.9	28.3	23.9
18	28° 33.8'	073° 27.6'	SCT		10	120	8	1020.5	1	150	2-3	28.7	28.1	24.2
19	28° 32.3'	073° 37.1'	SCT		10	110	8	1020.8	1	150	2-3	28.7	27.8	24.0
20	28° 29.5'	073° 47.6'	SCT		10	115	8	1021.0	1	160	2-3	28.6	27.7	24.2
21	28° 28.2'	073° 56.6'	SCT		10	110	9	1021.5	1	150	2-3	28.6	27.7	24.6
22	28° 28.0'	074° 06.0'	SCT		10	120	9	1022.0	1	150	2-3	28.5	27.6	24.4
23	28° 27.8'	074° 16.6'	SCT		10	110	8	1022.2	1	150	2-3	28.6	27.5	24.2

DECK LOG – WEATHER OBSERVATION SHEET

NOAA Ship OKEANOS EXPLORER (R-337) TIME ZONE -4 DAY OF WEEK WEDNESDAY DATE (dd mmm yyyy) 17 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 N	LONGITUDE W				Dir. (true)	Speed (kts)			Dir. (true)	Height (ft)	SEA WATER	DRY BULB	WET BULB
00	28° 27.7	074° 26.3	CLR		10	108	9	1022.0	1-2	220	3-4	28.6	27.6	24.4
01	28° 27.6	074° 35.8	CLR		10	125	10	1021.5	1-2	220	3-4	28.6	27.6	24.3
02	28° 27.4	074° 46.2	CLR		10	120	8	1021.1	1-2	220	3-4	28.5	27.5	24.0
03	28° 27.3	074° 56.2	CLR		10	120	11	1020.5	1-2	200	5-4	28.4	27.3	24.2
04	28° 29.1 N	075° 03.8 W	CLR		10	115	10	1020.3	1-2	200	3-4	28.4	29.5	24.2
05	28° 26.9 N	075° 14.0 W	FEW		10	130	9	1020.5	1-2	200	3-4	28.4	27.3	24.3
06	28° 24.2 N	075° 21.7 W	SCT		10	110	10	1021.2	1-2	200	3-4	28.4	27.7	24.5
07	28° 24.2 N	075° 15.8 W	SCT		10	150	10	1021.4	1-2	120	2-3	28.4	29.7	23.7
08	28° 24.4'	075° 06.3'	SCT		10	125	9	1021.9	1-2	160	3	28.3	28.5	25.7
09	28° 24.5'	074° 56.8'	SCT		10	125	8	1022.3	1-2	110/160	2-4	28.4	28.3	25.5
10	28° 24.7'	074° 47.5'	SCT		10	120	10	1022.6	1-2	110/160	3-4	28.3	28.5	25.5
11	28° 24.8'	074° 38.1'	SCT		10	105	7	1022.6	1-2	110/160	3-5	28.5	28.5	25.7
12	28° 25.0'	074° 28.5'	SCT		10	140	7	1022.1	1-2	110/160	3-5	28.5	27.8	24.5
13	28° 25.1'	074° 20.0'	SCT		10	144	7	1021.7	1-2	110/160	3-5	28.6	27.8	24.1
14	DRILLS													
15														
16	28° 25.3'	073° 49.6	FEW		10	150	6	1020.5	1-2	110	3-4	28.8	27.8	24.0
17	28° 27.8'	073° 40.7'	FEW		10	135	5	1020.8	1-2	110	3-4	28.7	27.9	23.9
18	28° 29.9'	073° 30.9'	FEW		10	155	3	1021.1	1-2	110	3-5	28.8	27.7	23.7
19	28° 31.8'	073° 24.9'	FEW		10	155	2	1021.0	1-2	110	3-5	28.7	27.8	23.4
20	28° 33.2'	073° 16.9'	SCT		10	030	2	1021.9	1	110	2-3	28.7	27.6	23.9
21	28° 36.0'	073° 07.2'	SCT		10	015	4	1022.4	1	110	2-3	28.7	27.5	23.9
22	28° 38.9'	072° 57.2'	SCT		10	105	3	1022.4	1	110	3-5	28.8	27.4	23.8
23	28° 41.4'	072° 48.5'	FEW		10	115	3	1022.4	1	110	3-5	28.8	27.3	23.8

DECK LOG – WEATHER OBSERVATION SHEET

NOAA Ship OKEANOS EXPLORER (R-337) TIME ZONE -4 DAY OF WEEK THURSDAY DATE (dd mmm yyyy) 18 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 N	LONGITUDE W				Dir. (true)	Speed (kts)			Dir. (true)	Height (ft)	SEA WATER	DRY BULB	WET BULB
00	28° 44.2	072° 38.6	CLR		10	130	4	1022.3	1	130	2-3	28.6	27.2	23.6
01	28° 46.4	072° 29.6	CLR		10	140	3	1022.0	1	130	2-3	28.8	27.1	23.7
02	28° 49.7	072° 20.9	CLR		10	180	1	1021.6	1	135	2-3	28.7	27.0	23.5
03	28° 54.0	072° 12.3	CLR		10	245	1	1021.0	1	135	2-3	28.7	26.9	23.2
04	28° 56.9 N	072° 04.9 W	CLR		10	220	3	1020.9	1	135	2-3	28.6	26.8	23.6
05	28° 59.6 N	071° 55.5 W	FEW		10	200	6	1020.9	1	135	2-3	28.1	26.5	24.0
06	29° 02.2 N	071° 46.3 W	SCT		10	200	5	1021.4	1	135	2-3	28.0	26.4	23.8
07	29° 05.1 N	071° 36.4 W	SCT		10	240	6	1021.4	1	130	2-3	27.8	26.4	23.8
08	29° 07.8'	071° 27.0'	SCT		10	260	7	1022.0	1	130	2-3	27.6	28.1	24.5
09	29° 05.4'	071° 24.3'	SCT		10	270	5	1022.6	1	120	2-4	27.7	26.8	24.1
10	29° 02.9	071° 33.2'	FEW		10	295	5	1022.8	1	130	2-4	27.7	27.4	25.0
11	29° 00.3'	071° 42.3'	FEW		10	300	10	1022.7	1	140	4	28.0	27.5	25.0
12	28° 57.7'	071° 51.1'	FEW		10	326	9	1022.4	1	140	2-4	28.0	27.2	23.6
13	28° 54.5'	072° 02.1	FEW		10	331	9	1021.5	1	150/220	2-4	28.6	27.3	23.8
14	28° 51.9'	072° 09.3'	FEW		10	326	10	1021.2	1	140/215	2-4	28.8	27.5	23.7
15	28° 47.0'	072° 18.7	FEW		10	338	10	1020.9	1	140/215	2-4	28.9	27.6	23.3
16	28° 43.9'	072° 26.3'	FEW		10	340	10	1020.8	1	140	2-4	28.9	27.6	23.6
17	28° 41.4'	072° 35.0'	BKN		10	005	16.5	1020.7	1	140	2-4	28.95	27.7	24.1
18	28° 38.9'	072° 44.8'	SCT		10	000	13	1020.7	2-3	140/210	3-4	28.9	25.8	23.2
19	28° 36.1'	072° 54.2'	SCT		10	020	13.5	1021.1	3-4	140/210	4-5	28.7	26.9	23.9
20	28° 33.1'	073° 04.4'	SCT		10	025	10	1021.8	2-4	140	3-5	28.8	27.0	23.8
21	28° 30.6'	073° 13.2'	SCT		10	035	12	1022.1	1-2	140	3-5	28.5	27.0	23.9
22	28° 28.0'	073° 22.2'	SCT		10	045	13	1022.3	1-2	140	2-4	28.5	26.9	24.5
23	28° 26.4'	073° 32.2'	SCT		10	040	16	1022.3	1-2	140	2-4	28.5	27.1	24.2

DECK LOG – WEATHER OBSERVATION SHEET

NOAA Ship		OKEANOS EXPLORER (R-337)		TIME ZONE	DAY OF WEEK	DATE (dd mmm yyyy)								
				-4	FRIDAY	19 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 N	LONGITUDE W				Dir. (true)	Speed (kts)			Dir. (true)	Height (ft)	SEA WATER	DRY BULB	WET BULB
00	28° 24.0	073° 41.9	FEW		10	045	15	1022.3	2-3	000	3-5	28.5	27.3	24.2
01	28° 21.8	073° 37.8	SCT		10	045	18	1021.6	2-3	020	4-5	28.4	26.8	23.9
02	28° 23.6	073° 28.6	BKN		9	010	20	1021.3	3-4	020	4-5	28.5	25.4	24.0
03	28° 24.9	073° 20.4	SCT		10	040	22	1020.9	3-4	070	4-6	28.4	26.4	23.8
04	28° 27.3 N	073° 11.7 W	SCT	LTG	10	060	21	1020.9	3-4	020	4-6	28.5	26.0	23.4
05	28° 29.7 N	073° 03.6 W	SCT		10	025	20	1020.7	3-4	020	4-6	28.4	26.3	23.2
06	28° 32.6 N	072° 53.6 W	SCT		10	050	22	1021.2	3-4	020	4-6 ⁵⁻⁶	28.5	26.5	28.5
07	28° 35.2 N	072° 44.7 W	BKN		10	055	22	1021.4	3-4	040	5-8	28.6	26.3	22.1
08	28° 38.6	072° 35.1	BKN		10	060	22	1021.9	3-4	050	5-7	28.5	26.5	20.9
09	28° 40.9	072° 27.3	BKN		10	065	21	1022.5	2-4	035	6-7	28.6	26.8	22.4
10	28° 43.8	072° 19.1	BKN		10	065	25	1023.0	3-4	035	6-7	28.6	26.4	21.8
11	28° 48.0	072° 11.9	SCT		10	060	25	1022.8	3-4	035	6-7	28.6	26.5	23.0
12	28° 51.0	072° 04.5	BKN		10	053	22	1022.8	3-4	055	6-7	28.4	25.9	21.4
13	28° 52.9	071° 57.9	BKN		10	065	23	1022.1	3-4	055	6-7	28.4	25.6	21.7
14	28° 55.2	071° 49.9	OVC		10	050	21	1021.9	4-5	055	7-9	27.8	25.3	20.3
15	28° 57.3	071° 43.0	OVC		10	060	19	1021.5	4-5	055	7-9	27.6	25.2	21.1
16	28° 58.8	071° 37.6	BKN		10	050	20	1021.2	4-6	050	8-10	27.6	25.1	20.7
17	29° 00.6	071° 31.4	SCT		10	060	19	1020.9	4-6	050	7-10	27.6	25.0	20.0
18	29° 02.8	071° 23.8	SCT		10	065	16	1021.0	3-5	050 ⁰⁷⁰	6-8	27.6	24.9	20.0
19	29° 00.0	071° 24.5	SCT		10	050	12	1021.5	3-5	070	6-7	27.6	24.9	19.3
20	28° 57.2	071° 34.0	SCT		10	065	11	1021.6	2-4	040	5-7	27.5	25.1	19.5
21	28° 54.5	071° 43.6	SCT		10	075	10	1021.5	2-4	040	5-7	27.5	25.2	19.6
22	28° 51.8	071° 53.2	SCT		10	075	13	1021.7	2-3	040	5-7	27.9	25.1	19.3
23	28° 49.2	072° 02.5	SCT		10	070	8	1021.6	2-3	040	5-7	28.3	25.3	19.8

0300 SWELL DIR. 040° T

DECK LOG - WEATHER OBSERVATION SHEET

NOAA Ship OKEANOS EXPLORER (R-337) TIME ZONE -4 DAY OF WEEK SATURDAY DATE (dd mmm yyyy) 20 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 N	LONGITUDE W				Dir. (true)	Speed (kts)			Dir. (true)	Height (ft)	SEA WATER	DRY BULB	WET BULB
00	28° 44.6	072° 11.9	FEW		10	070	10	1021.2	2-3	100	4-5	28.5	25.2	19.8
01	28° 40.4	072° 19.8	FEW		10	080	12	1020.6	2-3	100	4-5	28.5	25.2	19.8
02	28° 37.8	072° 28.9	FEW		10	075	12	1021.1	2-3	100	4-5	28.5	19 ^{25.4}	19.9
03	28° 35.7	072° 36.5	FEW		10	075	10	1019.7	2	100 / 040	4-5	28.6	25.7	20.0
04	28° 32.3 N	072° 43.3 W	FEW		10	090	12	1019.1	2	100 / 040	4-5	28.5	25.4	20.2
05	28° 29.5 N	072° 54.1 W	SCT		10	095	12	1018.8	2	100 / 040	4-5	28.4	25.4	20.4
06	28° 27.2 N	072° 52.5 W	SCT		10	095	12	1018.6	2	100 / 040	4-5	28.5	25.6	20.1
07	28° 29.7 N	072° 44.5 W	SCT		10	110	11	1019.0	2	100 / 050	4-6	28.4	25.7	19.9
08	28° 33.0'	072° 34.3'	SCT		10	130	7	1019.3	2	100 / 050	4-6	28.6	25.6	20.5
09	28° 35.5'	072° 25.5'	SCT		10	VAR	16	1019.7	2-3	080	4-6	28.4	25.8	20.9
10	28° 37.7'	072° 17.9'	SCT		10	100	14	1020.0	2-3	080	4-5	28.5	26.5	22.0
11	28° 41.3'	072° 10.9'	SCT		10	140	12	1019.5	2-3	090	4-5	28.4	26.8	22.0
12	28° 44.8'	072° 04.0'	SCT		10	139	13	1019.0	2-3	090	4-5	28.5	26.1	20.4
13	28° 48.6'	071° 55.8'	SCT		10	130	12	1018.2	2-3	090	4-5	28.3	25.9	20.2
14	28° 50.4'	071° 47.8'	FEW		10	117	10	1017.2	1-3	090	4-5	28.2	25.8	20.1
15	28° 40.8'	071° 48.1'	FEW		10	119	12	1016.4	2-3	090	4-5	27.7	25.9	20.3
16	28° 30.9'	071° 48.1'	FEW		10	115	12	1015.8	2-3	090	3-5	27.65	25.9	20.5
17	28° 21.6'	071° 48.1'	FEW		10	120	5.5	1015.9	2-3	090	3-5	27.8	26.2	20.3
18	28° 11.9'	071° 48.8'	FEW		10	120	8	1015.9	2-3	050 / 100	3-5	27.7	26.0	20.6
19	28° 00.8'	071° 49.6'	FEW		10	115	5	1016.3	2-3	050 / 100	3-5	27.8	25.9	20.6
20	27° 52.0'	071° 48.0'	FEW		10	105	5	1016.5	2-3	100	3-5	28.0	25.8	20.5
21	27° 41.7'	071° 46.5'	FEW		10	145	3	1016.6	2-3	100	3-5	27.7	25.8	20.6
22	27° 33.8'	071° 39.5'	FEW		10	150	3	1016.8	1-2	110	2-4	27.4	25.7	20.7
23	27° 26.1'	071° 31.8'	FEW		10	085	3	1016.8	1-2	110	2-4	27.5	25.7	20.9

00-03 SECONDARY SWELL DIR 040° T SMALLER IN MAGNITUDE, 2-4 ft

DECK LOG – WEATHER OBSERVATION SHEET

NOAA Ship OKEANOS EXPLORER (R-337) TIME ZONE -4 DAY OF WEEK SUNDAY DATE (dd mmm yyyy) 21 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 N	LONGITUDE W				Dir. (true)	Speed (kts)			Dir. (true)	Height (ft)	SEA WATER	DRY BULB	WET BULB
00	27°18.4	071°24.1	CLR		10	105	3	1015.9	1-2	110	3-4	27.7	25.7	21.5
01	27°10.0	071°15.7	CLR		10	100	3	1015.4	1-2	110	3-4	28.0	25.8	22.2
02	27°03.1	071°08.7	CLR		10	075	3	1014.9	1-2	110	3-4	28.1	25.9	22.5
03	26°54.8	071°00.5	FEW		10	130	3	1014.2	1-2	110	3-5	28.1	26.2	22.3
04	26°47.9N	071°53.6	FEW		10	190	6	1013.7	1-2	110	3-5	28.2	26.3	22.2
05	26°40.4N	070°46.2N	FEW		10	190	6	1014.2	1-2	110	3-5	27.8	26.2	22.1
06	26°32.8N	070°38.6W	FEW		10	220	7	1014.7	1-2	110	3-5	27.9	26.3	22.3
07	26°24.9N	070°30.7W	SCT		10	220	6	1015.4	1-2	120	3-5	28.1	26.4	22.1
08	26°16.9	070°22.8'	SCT		10	240	5	1015.9	0-1	100	2-4	28.0	27.2	24.0
09	26°09.9'	070°15.8'	FEW		10	170	4	1016.4	1	075	2-4	28.1	27.4	23.8
10	26°02.5	070°08.5	FEW		10	170	3	1016.4	1	090	2-4	28.2	28.0	24.6
11	25°54.9'	070°00.9'	FEW		10	170	3	1016.0	1	090	2-4	28.2	27.5	24.5
12	25°48.1'	069°54.2'	FEW		10	197	7	1015.3	1	100/010	2-4	28.2	27.0	23.3
13	25°40.6'	069°46.8'	FEW		10	217	8	1014.7	1	100/010	2-4	28.1	26.8	23.7
14	25°32.9'	069°39.3'	FEW		10	188	6	1014.1	1	100/040	3-5	28.4	27.1	23.3
15	25°25.7'	069°32.1'	FEW		10	191	7	1013.7	1	090/010	2-4	28.5	26.8	23.6
16	25°18.8'	069°25.2'	FEW		10	180	6	1013.7	1	130	2-4	28.7	26.4	23.7
17	25°11.1'	069°17.6'	FEW		10	200	3	1013.8	1	130	2-4	28.7	27.2	23.1
18	25°04.0	069°10.7	FEW		10	250	2	1014.3	<1	130	2-3	28.6	26.9	23.5
19	24°56.1'	069°02.9'	BKN		10	285	3	1014.6	<1	130	2-3	28.6	26.7	23.5
20	24°47.5'	068°54.5'	BKN		10	320	4	1015.1	<1	100	2-3	28.4	27.0	23.9
21	24°40.4'	068°47.5'	OVC		10	320	2	1015.5	<1	100	2-3	28.3	27.3	23.9
22	24°34.2'	068°38.3'	BKN		10	030	3	1015.7	<1	100	2-3	28.3	27.2	24.1
23	24°28.7'	068°28.3'	SCT		10	050	3	1015.5	<1	100	2-3	28.5	27.2	23.5

DECK LOG - WEATHER OBSERVATION SHEET

NOAA Ship				TIME ZONE	DAY OF WEEK	DATE (dd mmm yyyy)								
OKEANOS EXPLORER (R-337)				-4	MONDAY	22 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 N	LONGITUDE W				Dir. (true)	Speed (kts)			Dir. (true)	Height (ft)	SEA WATER	DRY BULB	WET BULB
00	24° 23.3	068° 18.5	CLR		10	040	4	1015.4	<1	090	2-4	28.5	27.3	23.3
01	24° 17.4	068° 07.9	CLR		10	035	5	1015.3	<1	090	2-4	28.6	27.3	22.9
02	24° 12.7	067° 59.2	CLR		10	030	5	1014.8	<1	080	2-4	28.6	27.1	23.3
03	24° 07.6	067° 50.0	FEW		10	035	4	1014.4	<1	080	2-3	28.7	27.1	22.9
04	24° 02.7 N	067° 41.3 W	SCT		10	050	7	1014.2	<1	080	2-3	28.7	27.2	23.5
05	23° 54.5 N	067° 31.9 W	SCT		10	050	8	1014.3	<1	080	2-3	28.6	27.1	23.2
06	23° 52.4 N	067° 22.7 W	SCT		10	040	9	1014.5	<1	080	2-3	28.6	27.2	23.2
07	23° 46.9 N	067° 12.8 W	SCT		10	050	7	1014.9	<1	090	2-3	28.5	27.2	22.8
08	23° 41.5'	067° 03.1'	SCT		10	045	9	1015.4	<1	090	2-3	28.5	28.0	24.2
09	23° 36.6'	066° 54.2' 066° 54.2'	SCT		10	090	10	1016.5	1	080	2-3	28.5	27.9	25.0
10	23° 29.0'	066° 55.7'	SCT		10	065	6	1017.2	1	090 090	2-3 2-3	28.4	28.0	25.0
11	23° 20.0'	067° 01.9'	FEW		10	050	9	1017.2	1	090 090	2-3	28.5	28.3	25.1
12	23° 09.6'	067° 04.7'	FEW		10	059	10	1016.8	1	090 090	2-3	28.4	27.6	23.7
13	22° 05 ^{59.6} '	067° 07.3'	FEW		10	047	10	1016.4	1	090 090	2-3	28.5	27.9 27.9	23.9
14	22° 49.5'	067° 10.1'	FEW		10	040	9	1015.9	1	090	2-3	28.6	27.8	23.7
15	22° 39.7'	067° 12.7'	FEW		10	060	10	1015.6	1	090	2-3	28.6	27.9	23.6
16	22° 30.6 N	067° 05.1 W	FEW		10	060	10	1015.4	1	090	2-3	28.6	28.1	23.8
17	22° 20.9'	067° 17.7'	FEW		10	050	10	1015.4	1	090	2-3	28.6	28.3	24.1
18	22° 10.5'	067° 15.5'	FEW		10	030	12	1015.5	1	090	2-3	28.2	27.6	23.8
19	22° 00.5'	067° 13.4'	FEW		10	040	13	1015.4	1	090	2-3	28.5	27.3	23.7
20	21° 50.5'	067° 11.2'	FEW		10	040	15	1015.7	1	100	2-3	28.4	27.3	23.8
21	21° 41.3'	067° 09.2'	SCT		10	045	15	1016.2	1	100	2-3	28.4	27.3	23.6
22	21° 31.2'	067° 07.1'	SCT		10	040	13	1016.3	1	100	2-3	28.4	27.4	24.2
23	21° 21.5'	067° 05.0'	SCT		10	050	15	1016.3	1	100	2-3	28.5	27.3	24.1

DECK LOG – WEATHER OBSERVATION SHEET

NOAA Ship OKEANOS EXPLORER (R-337) TIME ZONE -4 DAY OF WEEK TUESDAY DATE (dd mmm yyyy) 23 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	21° 12.3	067° 03.1	FEW		10	055	14	1016.0	1-2	090	2-3	28.5	27.6	24.5
01	21° 01.5	067° 00.3	FEW		10	070	13	1015.5	1-2	080	2-3	28.4	26.9	24.2
02	20° 51.7	066° 55.4	FEW		10	060	16	1014.6	1-2	090	2-4	28.5	27.5	24.1
03	20° 43.4	066° 53.1	SCT		10	070	14	1014.1	1-2	090	2-3	28.5	27.5	24.0
04	20° 33.8 N	066° 53.4 W	SCT		10	080	15	1013.7	1-2	090	2-3	28.5	27.4	24.1
05	20° 23.5 N	066° 53.8 W	SCT		10	070	13	1013.7	1-2	090	2-3	28.5	27.3	23.9
06	20° 13.3 N	066° 53.0 W	SCT		10	065	14	1013.7	1-2	090	2-3	28.5	27.3	23.6
07	20° 05.5 N	066° 48.0 W	SCT		10	070	13	1013.9	1-2	070	2-3	28.5	27.4	23.7
08	19° 56.7'	066° 42.4'	FEW		10	060	13	1014.8	1-2	100	2-3	28.5	27.8	25.0
09	19° 49.4'	066° 37.7'	SCT		10	060	14	1015.4	1-2	100	2-3	28.4	28.3	25.3
10	19° 41.8'	066° 32.9'	SCT		10	060	13	1015.8	1-2	100	2-3	28.4	27.9	24.1
11	19° 34.3'	066° 28.1'	SCT		10	070	10	1015.4	1-2	100	2-3	28.3	28.2	24.6
12	19° 27.6'	066° 23.8'	SCT		10	065	13	1014.7	1-2	080	2-3	28.4	27.9	24.4
13	19° 19.4'	066° 18.6'	SCT		10	066	12	1014.1	1-2	080	2-3	28.4	28.1	24.6
14	19° 10.4'	066° 13.3'	SCT		10	067	12	1013.4	1-2	090	2-3	28.7	28.1	24.6
15	19° 02.0'	066° 09.5'	SCT		10	052	15	1013.1	1-2	090	2-3	28.7	28.0	24.5
16	18° 53.7'	066° 04.4'	SCT		10	055	15	1012.7	1-2	090	2-3	28.7	28.0	24.7
17	18° 45.7'	065° 59.5'	FEW		10	065	14	1012.8	1-2	090	2-3	28.6	28.2	24.3
18	18° 37.4'	065° 54.5'	SCT		10	065	11	1012.9	1-2	090	2-3	28.6	27.8	24.4
19	18° 35.4'	065° 53.3'	SCT		10	065	11.5	1013.1	1-2	090	2-3	28.6	27.8	24.6
20	18° 34.5'	065° 50.8'	SCT		10	090	10	1013.7	1-2	080	2-3	28.6	27.9	24.8
21	18° 30.4'	065° 50.0'	SCT		10	100	12	1014.2	1-2	080	2-3	28.6	27.7	23.6
22	18° 33.0'	065° 51.1'	SCT		10	090	10	1014.4	1-2	080	2-3	28.5	27.8	24.6
23	18° 32.4'	065° 51.7'	SCT		10	090	9	1014.6	1-2	080	2-3	28.5	27.6	24.4

50

DECK LOG - WEATHER OBSERVATION SHEET

NOAA Ship OKEANOS EXPLORER (R-337) TIME ZONE -4 DAY OF WEEK WEDNESDAY DATE (dd mmm yyyy) 24 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 ^N	LONGITUDE ^W				Dir. (true)	Speed (kts)			Dir. (true)	Height (ft)	SEA WATER	DRY BULB	WET BULB
00	18° 31.9	065° 51.3	SCT		10	070	10	1014.3	1	070	1-3	28.5	27.7	24.6
01	18° 31.4	065° 52.1	SCT		10	070	10	1013.8	1	070	1-3	28.6	27.6	24.6
02	18° 31.1	065° 50.6	SCT		10	075	8	1013.4	1	070	1-3	28.6	27.6	24.4
03	18° 30.9	065° 57.2	SCT		10	070	10	1012.9	1	070	1-3	28.6	27.1	22.9
04	18° 30.7N	066° 02.2W	SCT		10	060	6	1012.9	1	070	1-3	28.8	26.9	23.8
05	18° 31.3N	066° 06.0W	SCT		10	150	6	1013.1	1	070	1-3	28.7	26.9	24.3
06	18° 30.5N	066° 06.1W	FEW		10	170	3	1013.7	1	070	1-3	28.8	26.3	24.1
07	18° 31.2'	066° 06.8'	FEW		10	205	4	1013.7	1	070	2-4	29.7	26.0	24.1
08	18° 27.5N	066° 07.2W												
09	MOORED													
10														
11														
12														
13														
14														
15														
16														
17														
18														
19														
20														
21														
22														
23														

0800 INBOUND TRANSIT
 0900 MOORED AT THIS TIME 18° 27.6N, 066° 06.9 W, USCG BASE SAN JUAN, PIER ECHO.