

DECK LOG – WEATHER OBSERVATION SHEET

NOAA Ship OKEANOS EXPLORER (R-337) TIME ZONE -4 DAY OF WEEK THURSDAY DATE (dd mmm yyyy) 20 JUN 2019

TIME	POSITION		SKY CON- DITION	PRESENT WEATHER	VISI- BILITY (nm)	WIND		SEA LEVEL Press. (mb)	SEA WAVE Height (ft)	SWELL WAVES		TEMPERATURE (°C)			
	LATITUDE N	LONGITUDE W				Dir. (true)	Speed (kts)			Dir. (true)	Height (ft)	SEA WATER	DRY BULB	WET BULB	
00															
01															
02															
03															
04															
05															
06															
07															
08															
09															
10															
11															
12															
13															
14															
15	28°20.9N	080°27.8W	SCT		10	155	10	1016.0	1	130	1-2	—	27.6	25.6	
16	28°19.7N	080°12.7	SCT		10	165	14	1015.5	1	130	1-2		26.9	24.9	26.0
17	28°18.5N	080°04.1W	SCT		10	172	17	1016.2	1	130	1-2		28.5	28.9	26.5
18	28°17.5	079°54.8'	SCT		10	164	20	1017.8	1-2	180	2		29.3	29.2	26.5
19	28°16.6'	079°45.8'	SCT		10	175	20	1016.3	1-2	180	2		29.5	29.1	26.6
20	28°13.7	079°38.9	SCT		10	178	21	1015.3	1-2	175	2		29.1	28.9	26.6
21	28°13.2	079°33.9	SCT		10	177	19	1014.4	1-2	175	2		28.8	28.6	26.8
22	28°12.5	079°32.2	SCT		10	178	21	1015.5	1-2	180	2		28.7	28.6	26.5
23	28°05.6	079°35.9	SCT		10	186	23	1016.5	1-2	180	2		28.7	28.4	26.4

00 - 14 IN PORT

DECK LOG - WEATHER OBSERVATION SHEET

NOAA Ship <u>OKEANOS EXPLORER (R-337)</u>						TIME ZONE <u>-4</u>	DAY OF WEEK <u>FRIDAY</u>	DATE (dd mmm yyyy) <u>21 JUN 2019</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 N	LONGITUDE W				Dir. (true)	Speed (kts)			Dir. (true)	Height (ft)	SEA WATER	DRY BULB	WET BULB
00	28° 09.7'	079° 32.0'	SCT	LGA VC	10	200	20	1018.7	1-2	180	2-3	28.8	29.8	26.4
01	28° 15.3'	079° 26.3'	SCT	LGA VC	10	207	20	1017.2	1-2	210	3-4	28.7	28.9	26.4
02	28° 08.3'	079° 30.8'	SCT	LGA VC	10	205	19	1016.9	1-2	210	3-4	28.7	28.8	26.4
03	28° 01.6'	079° 35.1'	SCT	LGA VC	10	215	16	1016.4	1-2	210	3-4	28.7	28.7	26.2
04	28° 00.2	079° 33.9	CLR		10	219	12	1015.9	1-2	210	3	28.7	28.6	26.5
05	28° 09.4	079° 33.7	CLR		10	222	16	1016.3	1-2	220	3	28.7	28.7	25.5
06	28° 14.0	079° 35.9	CLR		10	257	12	1016.3	1-2	220	3	28.7	28.5	25.1
07	28° 14.3	079° 35.9	CLR		10	262	14	1016.5	2-3	225	2-3	28.8	28.0	25.3
08	28° 14.1	079° 35.9	CLR		10	274	14	1018.1	2-3	225	2-3	28.7	28.0	25.5
09	28° 15.2	079° 36.0	CLR		10	277	13	1019.7	2-3	275	2-3	28.8	27.9	25.7
10	28° 15.0	079° 35.9	CLR		10	268	12	1020.8	2-3	275	2-3	28.8	28.4	26.0
11	28° 14.9	079° 35.8	CLR		10	267	11	1021.0	2-3	270	2-3	28.8	28.7	25.9
12	28° 14.8	079° 35.9	CLR		10	260	9	1021.0	2-3	270	2-3	29.0	28.7	25.8
13	28° 14.8N	079° 35.9W	FEW		10	260	9	1020.4	2-3	270	2-3	29.0	28.5	26.0
14	28° 14.7	079° 35.9	FEW		10	258	7	1021.0	1-2	295	2-3	29.2	29.0	25.7
15	28° 14.7	079° 35.8	FEW		10	234	6	1018.7	1-2	075	3	29.5	28.7	25.9
16	28° 14.7	079° 35.8	FEW		10	180	9	1019.3	1	330	2-3	29.6	29.0	25.7
17	28° 15.2'	079° 36.0'	FEW		10	180	10	1019.6	1	330	2-3	29.6	29.0	26.0
18	28° 11.4'	079° 34.2'	FEW		10	165	11	1018.7	1	330	2-3	29.1	29.1	26.3
19	28° 05.3'	079° 30.7	FEW		10	165	12	1018.4	1	000	2	29.1	29.4	25.9
20	28° 13.3	079° 25.4	FEW		10	177	10	1017.8	1	350	2	29.1	29.1	25.9
21	28° 23.1	079° 23.4	FEW		10	177	12	1018.9	1	350	2	29.1	29.6	26.1
22	28° 33.2	079° 22.7	FEW		10	181	12	1018.8	1	350	2	28.9	29.3	26.3
23	28° 44.1	079° 21.9	FEW		10	191	12	1018.6	1	350	2	28.9	28.9	26.4

1500 SWELL DIR (TRUE): 025° & 03-305°

DECK LOG – WEATHER OBSERVATION SHEET

NOAA Ship **OKEANOS EXPLORER (R-337)** TIME ZONE **-4** DAY OF WEEK **SATURDAY** DATE (dd mmm yyyy) **22 JUN 2019**

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°51.8'	079°17.8'	FEW		10	200	14	1018.7	1	350	2	28.9	28.8	26.5
01	28°58.9'	079°11.5'	FEW		10	215	17	1018.2	1	350	2	28.9	28.8	26.5
02	28°53.1'	079°14.7'	FEW		10	200	20	1018.3	1	350	2	28.9	28.8	26.9
03	28°45.4'	079°20.4'	FEW		10	200	14	1018.3	1-2	350	2	28.8	28.8	27.0
04	28°52.3'	079°23.7'	FEW		10	261	17	1018.2	2-3	210	3-4	28.8	28.8	26.1
05	29°01.5'	079°25.7'	CLR		10	272	17	1017.3	2-3	235	3	28.7	29.2	25.9
06	29°06.4'	079°26.7'	FEW	HZ VC	8	298	12	1017.4	2-3	250	3-4	28.7	28.0	25.9
07	29°06.4'	079°26.5'	FEW	HZ VC	8	279	13	1019.3	2-3	280	3-4	28.7	28.2	25.8
08	29°06.5'	079°26.4'	FEW	HZ VC	8	281	13	1020.5	2-3	280	3-4	28.6	28.9	26.1
09	29°06.6'	079°26.6'	CLR		10	280	12	1021.5	2-3	270	3	28.7	29.7	26.3
10	29°06.8'	079°26.8'	BKN		10	290	11	1021.1	2-3	240/290	3-4	28.8	28.7	26.2
11	29°06.7'	079°26.7'	BKN		10	293	7	1022.0	2-3	240/290	3-4	28.8	28.8	26.2
12	29°06.7'	079°26.7'	SCT		10	276	8	1022.0	2-3	240/290	3-4	29.0	29.9	26.4
13	29°06.6'	079°26.7'	SCT		10	295	6	1021.3	1-2	290	3-4	29.2	29.4	26.2
14	29°06.6'	079°26.7'	BKN	HZ VC	8-10	246	9	1020.4	1-2	315	3-4	29.2	30.0	26.3
15	29°06.5'	079°26.8'	BKN		8-10	239	9	1020.4	1-2	VAR 315	3	29.2	29.7	26.6
16	29°06.6'	079°26.8'	BKN		10	265	10	1018.7	1-2	290	2-3	29.3	29.4	26.4
17	29°07.1'N	079°26.0'W	BKN		10	263	10	1018.3	1-2	290	2-3	29.3	29.3	26.1
18	29°07.7'	079°26.8'	BKN		10	250	9	1018.7	1-2	290	2-3	29.4	30.2	26.0
19	29°07.8'	079°27.1'	BKN		10	220	8	1018.9	1-2	290	2-3	29.2	30.5	26.0
20	29°06.0'	079°22.4'	BKN		10	235	8	1018.6	1-2	290	2	29.1	28.8	25.9
21	29°03.3'	079°12.8'	BKN		10	232	9	1018.6	1-2	290	2	28.7	28.7	25.0
22	29°09.9'	074°13.3'	BKN		10	216	10	1018.6	1-2	290	2	28.7	28.7	25.0
23	29°19.2'	079°15.2'	BKN		10	214	10	1018.8	1-2	290	2	28.6	28.8	26.0

DECK LOG - WEATHER OBSERVATION SHEET

NOAA Ship **OKEANOS EXPLORER (R-337)** TIME ZONE **-4** DAY OF WEEK **SUNDAY** DATE (dd mmm yyyy) **23 JUN 2019**

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°28.4'	079°17.3'	SCT	LTG VC	10	175	9	1017.9	1-2	290	2	29.0	28.8	26.3
01	29°37.7	079°19.2	SCT	LTG-VC	10	200	10	1018.9	1-2	290	2	29.2	29.1	26.7
02	29°46.9'	079°20.0	BKN	LTG VC	10	225	14	1018.7	1-2	290	2	29.0	29.0	26.8
03	29°55.2'	079°16.8'	OVC	TS	8-10	250	12	1018.0	2-3	CONF.	2-3	29.0	28.1	25.3
04	29°50.4 N	079°18.2 W	OVC	TS, RA+ LTG VC	10	135	03	1018.7	2-3	CONF.	2-3	28.9	28.5	21.1
05	29°49.6 N	079°29.2 W	BKN	LTG-VC	8	065	22	1018.1	2-3	280	2-3	28.8	23.5	23.0
06	29°44.7 N	079°34.1 W	OVC		10	095	16	1018.5	2-3	290	3-4	28.7	26.6	23.3
07	29°45.0 N	079°34.1 W	BKN		8	105	13	1018.2	2-3	290 120	2-3	28.7	27.8	22.8
08	29°44.9	079°33.9	BKN		10	143	8	1019.2	2-3	290 120	2-3	28.8	27.9	22.9
09	29°45.2	079°34.2	BKN		10	185	7	1018.9	2-3	290 120	2-3	28.9	27.8	23.2
10	29°45.2	079°34.2	BKN		10	247	1	1020.8	2	290 120	2	29.1	29.5	24.9
11	29°45.1	079°34.2	BKN		10	239	7	1020.5	2	270	2	29.1	29.9	24.9
12	29°45.1	079°34.3	SCT		10	284	9	1020.4	2	285 010	2-3	28.9	30.4	25.5
13	29°45.0 N	079°34.4 W	SCT		10	290	10	1019.7	2	290 010	2-3	28.9	30.9	25.7
14	29°45.0	079°34.4	SCT		10	281	9	1019.0	2	290	3	28.7	29.6	25.3
15	29°45.0	079°34.5	FEW		10	283	10	1018.8	2	295	2-3	28.8	29.5	24.9
16	29°44.9'	079°34.5'	FEW		10	280	8	1018.1	1-2	290	2-3	28.8	30.3	24.9
17	29°45.2 N	079°34.7 W	FEW		10	252	6	1017.8	1-2	290	2-3	28.9	30.3	24.9
18	29°44.3	079°30.4	FEW		10	260	5	1016.8	1-2	290	2-3	29.0	28.6	24.4
19	29°44.5'	079°19.7'	FEW		10									*
20	29°50.2	079°15.4	FEW		10	246	6	1016.3	1-2	330	1-2	29.1	28.4	24.2
21	29°49.1	079°05.2	FEW		10	276	6	1016.5	1-2	330	1-2	28.9	28.3	23.7
22	29°47.9	078°34.1	FEW		10	272	4	1016.5	1-2	330	1-2	28.9	28.3	23.8
23	29°46.7	078°43.4	FEW		10	246	4	1017.1	1-2	330	1-2	28.6	28.2	24.0

*1900 ENCLASSED IN MANEUVERS

DECK LOG – WEATHER OBSERVATION SHEET

NOAA Ship OKEANOS EXPLORER (R-337) TIME ZONE -4 DAY OF WEEK MONDAY DATE (dd mmm yyyy) 24 JUN 2019

TIME	POSITION		SKY CONDITION	PRESENT WEATHER	VISIBILITY (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°45.5'	078°32.2'	FEW		10	240	8	1017.2	1-2	330	1-2	28.5	28.0	24.4
01	29°39.2'	078°34.9'	FEW		10	235	7	1017.0	1-2	330	1-2	28.4	28.2	24.1
02	29°30.7'	078°39.8'	FEW		10	240	9	1016.5	1-2	330	1-2	28.7	28.1	25.0
03	29°35.9'	078°34.5'	FEW		10	245	9	1015.4	1-2	330	1-2	28.2	28.0	24.8
04	29°36.2'	078°32.2'	CLR		10	236	4	1015.4	1-2	330	1-2	28.2	28.0	24.5
05	29°33.8'	078°31.9'	CLR		10	220	9	1015.3	1-2	320	1-2	28.2	27.8	25.0
06	29°36.4N	078°27.2W	FEW		10	245	11	1015.9	1-2	3000	1-2	28.2	27.9	24.9
07	29°39.3N	078°26.9W	FEW		10	240	12	1017.3	1-2	250	1-2	28.2	28.1	24.5
08	29°39.3'	078°26.9'	CLR		10	260	12	1016.7	1-2	260	2	28.2	28.6	23.8
09	29°39.0'	078°27.0'	CLR		10	278	13	1017.7	1-2	280	2	28.1	28.4	24.2
10	29°39.0'	078°27.0'	CLR		10	286	14	1018.1	1-2	280	1-2	28.2	28.5	24.2
11	29°38.9'	078°27.1'	CLR		10	292	13	1017.7	1-2	285	2-3	28.2	28.4	24.5
12	29°39.0'	078°27.2'	FEW		10	291	11	1018.4	1-2	290	2	28.3	28.4	25.1
13	29°39.0'	078°27.3'	FEW		10	282	12	1018.0	1-2	285	2-3	28.5	28.5	25.1
14	29°39.0'	078°27.3'	CLR		10	282	12	1017.1	1-2	280	2-3	28.5	28.4	25.1
15	29°39.0'	078°27.4'	CLR		10	282	10	1017.4	1-2	290	2-3	28.6	28.5	25.4
16	29°39.0'	078°27.3'	FEW		10	280 290	11	1017.1	1-2	280	2-3	28.7	28.6	24.9
17	29°39.1'	078°27.6'	FEW		10	300	12	1015.8	1-2	280	2-3	28.6	28.5	24.8
18	29°45.3'	078°29.7'	FEW		10	305	11	1015.9	1-2	310	2-3	28.6	28.6	25.0
19	29°40.6'	078°36.2'	FEW		10	290	5	1016.1	1-2	310	2-3	28.8	28.8	24.6
20	29°32.3'	078°40.8'	FEW		10	300	3	1016.0	1-2	280	1-2	28.9	28.8	24.3
21	29°33.1'	078°42.6'	FEW		10	261	4	1016.2	1-2	280	1-2	28.8	28.6	24.5
22	29°41.6'	078°38.0'	FEW		10	239	6	1016.3	2-3	280	1-2	28.6	28.3	24.8
23	29°48.6'	078°34.5'	FEW		10	186	10	1016.5	2	280	1-2	28.4	28.2	24.6

DECK LOG - WEATHER OBSERVATION SHEET

NOAA Ship OKEANOS EXPLORER (R-337) TIME ZONE -4 DAY OF WEEK TUESDAY DATE (dd mmm yyyy) 25 JUN 2019

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°54.7'	078°32.3'	FEW		10	200	8	1016.2	1	280	2	28.5	28.1	25.2
01	30°01.8'	078°25.2'	FEW		10	200	9	1015.9	1	280	2	28.5	28.0	25.3
02	30°08.8'	078°19.6'	FEW		10	205	9	1015.4	1	280	2	28.5	28.0	25.2
03	30°16.0'	078°13.8'	FEW		10	215	10	1015.7	1	280	2	28.4	28.2	24.9
04	30°23.2N	078°07.9W	CLR		10	215	14	1015.9	1	280	2	28.5	28.3	25.0
05	30°31.3	078°03.2	CLR		10	217	17	1016.0	1-2	275	2	28.5	28.2	26.3
06	30°31.9	078°02.6	CLR		10	238	17	1016.1	2	250	2-3	28.5	28.2	26.5
07	30°32.3	078°02.9	CLR		10	251	14	1016.8	2	260	2-3	28.5	28.4	26.4
08	30°32.1	078°03.0	CLR		10	271	15	1017.4	2	270	2-3	28.5	28.5	26.2
09	30°32.2	078°02.8	CLR		10	293	16	1017.6	2	280	2-3	28.5	28.7	26.0
10	30°32.2	078°02.9	CLR		10	303	17	1017.6	2	290	2-3	28.5	28.4	25.8
11	30°32.2	078°03.0	CLR		10	305	17	1017.0	2	290	2-3	28.5	28.2	25.9
12	30°32.3	078°03.1	FEW		10	311	17	1017.9	2	295	3-4	28.6	28.3	25.8
13	30°32.2	078°03.1	CLR		10	319	14	1018.2	2-3	300	3-4	28.7	28.3	26.1
14														
15	30°32.6N	078°03.3W	CLR		10	328	8	1018.4	2-3	300	3-4	28.9	28.8	26.0
16	30°31.6'	078°02.8	CLR		10	295	7	1016.9	1-2	300	3-4	28.6	28.6	26.0
17	30°30.7'	078°03.6	CLR		10	286	7	1016.3	1-2	300	3-4	28.3	28.4	25.9
18	30°29.7'	078°04.5.5'	CLR		10	270	8	1016.4	1-2	300	4	28.6	28.5	25.7
19	30°28.7'	078°05.0	CLR		10	265	7	1016.5	1-2	300	4	28.8	28.8	25.1
20	30°27.7	079°10.4	CLR		10	260	3	1016.5	1-2	265	3-4	29.0	28.8	25.1
21	30°26.7	079°23.6	CLR		10	187	5	1016.5	1-2	270	2-3	29.1	28.7	24.6
22														
23	30°25.4	079°41.1		LT6VC	10	172	9	1018.2	1-2	270	2-3	29.4	29.0	25.2

#1400 OPS - ROW RECOVERY / PASSAGE PLAN MEETING
2200 M/V/C/S - HELM IN HAND / SURVEY OPS.

DECK LOG – WEATHER OBSERVATION SHEET

NOAA Ship OKEANOS EXPLORER (R-337) TIME ZONE -4 DAY OF WEEK WEDNESDAY DATE (dd mmm yyyy) 26 JUN 2019

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	30° 24.5'	079° 52.4'	FEW		10	195	12	1018.8	1-2	270 +2	3	29.6	29.2	25.2
01	30° 23.7'	080° 03.1'	FEW		10	215	15	1018.1	1-2	270	3	29.8	28.5	26.0
02	30° 22.8'	080° 14.3'	FEW		10	230	13	1018.1	1-2	270	3	28.4	28.5	24.8
03	30° 22.1'	080° 23.0'	FEW		10	235	14	1017.6	1-2	270	3	28.6	27.9	24.8
04	30° 21.4	080° 31.3	FEW		10	229	12	1017.6	1-2	270	1-2	28.0	27.5	25.2
05	30° 20.9N	080° 41.9N	FEW		10	255	10	1017.8	1-2	240	1-2	27.1	27.5	24.6
06	30° 20.0	080° 51.9	FEW		10	277	9	1017.4	1-2	200	1-2	27.5	27.0	25.0
07	30° 22.2N	081° 04.3W			10	020	9	1019.9	1	220	1	26.9	27.8	26.9
08	30° 23.7	081° 15.0	FEW		10	017	11	1020.5	1	310	1-2	27.9	28.2	25.1
09	30° 24.0	081° 20.2	CLR		10	358	10	1021.5	1	355	1-2	28.1	28.6	25.4
10	30° 23.8	081° 12.6	CLR		10	357	9	1020.8	1	030	1-2	28.2	28.4	25.3
11	30° 20.7	081° 08.2	CLR		10	005	10	1020.6	1-2	355 020	1-2	27.6	28.0	24.9
12	30° 19.1	080° 57.3	CLR		10	180	11	1021.1	1-2	030	1-2	27.0	27.8	24.9
13	30° 18.4N	080° 47.5N	FEW		10	355	12	1020.9	1-2	010	1-2	27.6	28.1	24.2
14	30° 19.4	080° 36.9	FEW		10	344	12	1021.0	1-2	045	1-2	27.0	27.8	24.7
15	30° 19.5	080° 26.6	FEW		10	339	11	1021.1	1-2	350	1-2	28.7	28.5	24.3
16	30° 20.1'	080° 15.3'	FEW		10	345	11	1019.7	1-2	340	2	28.3	28.4	24.1
17	30° 20.7'	080° 04.0'	FEW		10	335	10	1019.9	1-2	350	2-3	29.9	29.4	23.7
18	30° 24.0	079° 54.7'	FEW		10	330	11	1018.9	2	350	2-3	29.8	29.1	23.9
19	30° 25.2	079° 52.7'	FEW		10	350	8	1019.3	2	350	2-3	29.8	29.8	24.5
20	30° 18.2	079° 55.8	FEW		10	002	8	1018.9	2	340	2-3	29.7	29.4	23.7
21	30° 15.1	079° 55.6	FEW		10	343	10	1019.2	2	345	2-3	29.8	28.9	23.4
22	30° 24.4	079° 51.1	FEW		10	341	6	1019.6	2	345	2-3	29.7	28.9	23.8
23	30° 26.4	079° 48.6	FEW		10	040	6	1019.5	2	345	2-3	29.7	28.6	23.4

DECK LOG – WEATHER OBSERVATION SHEET

NOAA Ship OKEANOS EXPLORER (R-337) TIME ZONE -4 DAY OF WEEK THURSDAY DATE (dd mmm yyyy) 27 JUN 2019

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	30° 20.8'	079° 51.6'	FEW		10	037	7	1020.1	2	345	2-3	29.7	28.8	23.3
01	30° 15.4'	079° 52.4'	FEW		10	017	10	1020.0	2	345	2-3	29.7	28.8	23.2
02	30° 20.8'	079° 42.8'	FEW		10	012	9	1019.9	2	345	2-3	29.7	28.7	23.2
03	30° 26.3'	079° 35.2'	FEW		10	030	10	1019.4	2	345	2-3	29.6	28.4	24.3
04	30° 29.9 N	079° 35.3 W	FEW		10	034	10	1019.4	1-2	345	2-3	29.5	28.4	23.7
05	30° 26.9	079° 35.1	FEW		10	030	11	1019.3	1-2	050	2	29.7	28.3	24.4
06	30° 20.8 N	079° 35.1 W	SCT		10	353	7	1019.4	1-2	040	2	29.5	28.5	24.6
07	30° 25.8 N	079° 34.9 W	SCT		10	050	7	1019.6	1-2	040	2-3	29.6	28.2	24.7
08	30° 25.8	079° 34.8	SCT		10	060	10	1020.8	1-2	045	2-3	29.6	28.6	24.1
09	30° 25.7	079° 35.0	FEW		10	055	12	1020.6	2	050	2-3	29.6	28.7	24.7
10	30° 26.1	079° 34.7	SCT		10	055	10	1021.5	2	055	2-3	29.7	29.0	24.4
11	30° 26.1	079° 34.8	SCT		10	044	12	1022.1	2	055	2-3	29.7	29.3	24.5
12	30° 26.1	079° 34.9	FEW		10	062	11	1021.7	2	050	2-3	29.8	28.9	24.0
13	30° 26.0 W	079° 35.0 W	SCT		10	058	13	1021.4	2	050	2-3	29.8	28.7	24.3
14	30° 26.0	079° 35.1	FEW		10	062	13	1021.1	2	055	2-3	29.8	28.9	23.8
15	30° 25.0 W	079° 35.1	SCT		10	077	12	1020.4	2	060	2-3	29.8	28.7	24.1
16	30° 26.0	079° 35.1'	SCT		10	070	12	1020.4	2	060	3	29.9	28.7	24.5
17	30° 25.9 N	079° 35.1 W	SCT		10	070	9	1020.7	2	060	2-3	29.9	29.0	24.6
18	—	—	SCT		10	070	11	1019.8	2	070	3	29.8	28.6	23.8
19	30° 28.0 N	079° 34.7 W	SCT		10	099	14	1017.8	2	075	3	29.8	28.6	23.6
20	30° 28.9	079° 32.8	SCT		10	068	14	1019.7	2	090	3	28.4 29.8	28.4	23.8
21	30° 28.1	079° 27.0	SCT		10	104	14	1019.2	2	085	2-3	29.6	28.4	24.2
22	30° 36.0	079° 25.4	SCT		10	106	14	1019.5	2	085	2-3	29.6	28.2	24.7
23	30° 44.7	079° 21.8	SCT		10	108	13	1019.8	2	085	2-3	29.4	28.1	24.2

*1800 ROV OPS.

DECK LOG - WEATHER OBSERVATION SHEET

NOAA Ship **OKEANOS EXPLORER (R-337)** TIME ZONE **-4** DAY OF WEEK **FREDDAY** DATE (dd mmm yyyy) **28 JUN 2019**

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	30°51.6'	079°22.0	SCT		10	110	9	1020.5	2	085	2-3	29.5	28.0	23.9
01	30°59.0	079°21.7'	SCT		10	125	9	1021.0	2	085	2-3	29.5	28.0	23.8
02	31°07.9'	079°17.9	FEW		10	130	10	1020.6	2	085	2-3	29.5	28.0	23.5
03	31°15.6'	079°16.8'	SCT	LTG-VC	10	095	10	—	2	085	2-3	—	—	—
04	31°22.9	079°12.4	SCT	LTG-VC	10	090	11	1020.1	1-2	085	2	—	—	—
05	31°31.0N	079°06.1W	SCT	LTG-VC	10	090	8	1020.3	1-2	085	2	—	27.9	27.9
06	31°35.5	079°06.4	SCT		10	085	9	1021.0	1-2	100	2	—	28.0	—
07	31°35.6	079°06.2	SCT		10	125	5	1021.2	1-2	095	2	—	28.0	26.0
08	31°35.0	079°07.4	SCT		10	125	8	1022.0	1-2	095	2	—	28.0	26.0
09	31°35.5	079°06.3	SCT		10	098	10	1022.9	1-2	095	2	—	28.9	26.0
10	31°35.6'	079°06.3'	SCT		10	105	15	1022.1	1-2	100	2-3	—	29.0	26.5
11	31°35.6	079°06.2	SCT		10	110	11	1022.1	1-2	095	2-3	—	29.5	26.0
12	31°35.6	079°06.2	SCT		10	115	7	1022.6	2	100	2-3	—	30.0	27.0
13	31°35.6N	079°06.2W	SCT		10	101	10	1022.1	2	110	2-3	—	30.0	25.5
14	31°35.6N	079°06.2W	SCT		10	107	9	1022.3	2	110	2-3	—	30.0	26.0
15	31°35.6N	079°06.3W	SCT		10	110	10	1021.1	2	110	2-3	—	29.0	26.5
16	31°35.7'	079°06.2	SCT		10	115	6	1021.0	2	110	2-3	—	29.0	26.0
17	31°36.4N	079°05.0W	SCT		10	090	10	1020.5	2	100	2-3	—	—	—
18	31°37.4'	079°02.9	SCT		10	113	11	1020.8	1-2	110	2	29.8	28.1	23.5
19	31°30.2'	078°59.1	SCT		10	115	12	1020.4	1	100	2	29.8	28.1	23.5
20	31°22.4	078°51.8	SCT		10	095	9	1020.9	1-2	100	2	29.4	28.1	23.8
21	31°14.5	078°43.8	SCT		10	139	8	1020.9	1-2	100	1-2	29.1	28.0	23.8
22	31°06.5	078°35.6	SCT		10	129	8	1020.9	1-2	100	1-2	28.5	27.9	23.6
23	30°58.9	078°28.4	SCT		10	122	9	1019.4	1-2	110	2-3	28.7	28.0	24.4
												27.8		

0300 - 1800 SEAS WEATHER LOG SECURED.

0600: WET BULBS DRY

2300 - LIGHTENING IN DISTANCE.

DECK LOG - WEATHER OBSERVATION SHEET

NOAA Ship OKEANOS EXPLORER (R-337) TIME ZONE -4 DAY OF WEEK SATURDAY DATE (dd mmm yyyy) 29 JUN 2019

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	31°06.5'	078°22.7'	SCT		10	138	8	1021.2	1-2	110	2-3	28.8	27.8	23.8
01	30°59.3'	078°26.3'	SCT		10	135	8	1021.0	1-2	110	2-3	28.7	27.7	23.7
02	31°02.7'	078°21.5'	SCT		10	123	8	1021.0	1-2	110	2-3	28.7	27.7	23.6
03	30°59.8'	078°21.7'	SCT		10	130	7	1020.5	1-2	110	2-3	28.7	27.5	23.7
04	30°58.5'	078°20.4'	SCT	LTGVC	10	136	7	1020.4	1	VAR	1-2	28.7	27.6	23.5
05	31°00.8'	078°14.0'	SCT	LTGVC	10	137	6	1020.2	1	060	1-2	28.8	27.4	23.8
06	30°56.2'N	078°09.1'W	SCT		10	095	6	1020.2	1	090	1-2	28.6	27.4	23.6
07	30°54.9'N	078°05.7'W	SCT		10	087	5	1021.6	1-2	100	2-3	28.7	27.6	23.9
08	30°54.9'	078°05.7'	SCT		10	150	5	1023.2	1-2	090	1-2	28.6	28.0	24.2
09	30°55.1'	078°04.9'	SCT		10	145	5	1023.1	1-2	080	1-2	28.7	28.0	24.0
10	30°55.2'	078°05.1'	SCT		10	100	3	1023.7	1-2	090	1-2	28.8	29.2	24.7
11	30°55.3'	078°05.2'	SCT		10	102	3	1023.5	1-2	095	1-2	28.8	29.4	24.4
12	30°55.4'	078°05.3'	BKN		10	080	2	1022.1	1-2	095	1-2	28.8	29.3	24.5
13	30°55.5'	078°05.3'	BKN		10	080	7	1021.5	1	100	1-2	28.9	28.6	24.0
14	30°55.5'N	078°05.4'W	BKN		10	113	10	1021.4	1	100	1-2	28.8	29.1	24.3
15	30°55.5'	078°05.4'	OVC		10	130	6	1021.0	1	095	1-2	28.9	28.3	24.0
16	30°55.5'	078°05.2'	OVC		10									*
17	30°55.2'	078°05.1'	OVC		10	133	5	1020.4	0-1	100/200	1-2	28.9	27.9	24.1
18	31°01.2'	077°58.3'	OVC	RA+VC	8-10	190	12	1019.1	1	110	1-2	28.8	26.7	24.3
19	30°56.4'	077°51.3'	OVC	RA+VC	9-10	210	12	1020.4	1-2	160	1-2	28.7	26.9	24.3
20	30°54.6'	077°43.0'	OVC		10	200	12	1020.6	1-2	155	1-2	29.0	26.5	24.1
21	31°02.8'	077°35.7'	OVC		10	239	9	1020.9	1-2	155	1-2	29.1	26.5	24.1
22	31°10.6'	077°30.3'	OVC		10	249	6	1020.9	1-2	155	1-2	29.0	26.9	24.4
23	31°17.8'	077°25.0'	OVC		10	244	7	1021.3	1-2	160	1-2	29.1	27.3	24.7

* 1600 RON RECOVERY SETUP

DECK LOG - WEATHER OBSERVATION SHEET

NOAA Ship

OKEANOS EXPLORER (R-337)

TIME ZONE

-4

DAY OF WEEK

SUNDAY

DATE (dd mmm yyyy)

20 JUN 2019

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	31° 25.8'	077° 19.4'	BKN		10	245	9	1021.4	1-2	160	1-2	29.2	27.5	24.5
01	31° 33.7'	077° 14.5'	OVC		10	220	9	1021.3	1-2	160	2	29.2	27.6	25.0
02	31° 41.7'	077° 09.4'	OVC		10	240	9	1020.7	1-2	160	2	29.1	27.6	24.7
03	31° 40.0'	077° 07.5'	BKN		10	245	10	1019.7	1-2	160	2	29.1	27.6	24.6
04	31° 32.0'	077° 12.5'	OVC	LTG VC	10	275	10	1019.5	1-2	VAR	2	29.2	27.5	24.7
05	31° 31.4'	077° 09.3'	OVC	LTG VC	10	250	8	1019.2	1-2	VAR	1-2	29.1	27.5	24.6
06	31° 31.2'N	077° 09.7'W	BKN		10	250	6	1020.1	1-2	230	2-3	29.1	27.8	23.8
07	31° 31.7'N	077° 09.0'W	BKN OVC		10	235	7	1019.7	1-2	230 100	2-3	29.1	27.5	23.7
08	31° 31.5'	077° 08.9'	BKN	RA VC	10	240	9	1020.3	2	230	2	28.9	27.5	23.7
09	31° 31.6'	077° 09.6'	BKN	RA VC	10	273	10	1020.2	2	245	2	28.9	27.5	23.5
10	31° 31.5'	077° 09.7'	BKN		10	308	4	1019.8	2	240	2	28.9	27.4	23.9
11	31° 31.5'	077° 09.7'	BKN		10	286	4	1019.1	2	240	2	28.9	27.2	23.8
12	31° 31.6'	077° 09.9'	BKN		10	248	9	1019.2	2	135 230	3-4	29.1	27.6	23.6
13	31° 31.6'	077° 09.9'	BKN		10	257	8	1018.2	2	180 225	3-4	29.1	27.7	23.7
14	31° 31.5'	077° 09.9'	SCT		10	247	7	1018.8	2	185 220	3	29.1	28.0	23.6
15	31° 31.4'	077° 10.0'	SCT		10	276	8	1018.1	2	265 205	2-3	29.1	27.9	24.0
16	31° 31.5'	077° 10.1'	BKN		10	280	10	1017.2	1-2	260 205	2-3	29.2	27.5	23.7
17	31° 31.5'	077° 10.1'	SCT		10	245	10	1016.8	1-2	260 220	3	29.2	27.6	23.7
18	31° 31.6'	077° 10.0'	SCT		10	250	8	1016.3	1-2	260 220	2-3	29.2	27.8	23.3
19	31° 31.3'	077° 11.0'	SCT		10	260	9	1015.3	1-2	260 220	2-3	29.1	27.5	23.5
20	31° 31.7'	077° 13.6'	SCT		10	239	14	1014.9	1-2	260 220	2-3	29.1	27.4	23.8
21	31° 49.7'	077° 18.6'	SCT		10	230	15	1014.7	1-2	280	2-3	29.5	27.3	23.9
22	31° 59.8'	077° 23.8'	SCT		10	233	16	1015.6	1-2	280	2-3	29.1	27.9	23.8
23	32° 09.1'	077° 28.4'	SCT		10	235	20	1016.1	1-2	280	2-3	29.6 23.7	28.1	23.8

BP

KT

DECK LOG – WEATHER OBSERVATION SHEET

NOAA Ship OKEANOS EXPLORER (R-337) TIME ZONE -4 DAY OF WEEK MONDAY DATE (dd mmm yyyy) 01 JUL 2019

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	32° 17.9'	077° 26.4'	FEW		10	233	19	1015.8	1-2	280	3	29.8	28.3	23.7
01	32° 22.2'	077° 25.7'	FEW		10	230	21	1015.7	2	280	3-4	29.9	28.4	23.7
02	32° 19.1'	077° 28.1'	FEW		10	235	18	1015.4	2	280	3-4	29.8	28.4	24.8
03	32° 21.4'	077° 28.3'	FEW		10	300	20	1014.8	2-3	280	4-5	29.8	28.6	24.9
04	32° 15.6	077° 32.0	FEW		10	268	24	1014.3	2-3	VAR	3-4	29.3	28.8	25.0
05	32° 09.1	077° 35.7	FEW		10	279	22	1014.5	2-3	260	3-5	29.7	28.7	25.5
06	32° 05.7	077° 39.9	SCT		10	290	21	1014.3	3	270	3-5	29.6	28.7	25.8
07	32° 05.6	077° 40.6	SCT		10	275	19	1014.8	2-3	270	3-5	29.6	28.8	25.7
08	32° 05.6	077° 40.6	FEW		10	275	18	1014.8	2-3	270	3-5	29.6	28.6	26.0
09	32° 05.7	077° 39.9	FEW		10	280	20	1015.3	2-3	295	3	29.6	28.8	26.2
10	32° 05.6	077° 40.0	FEW		10	288	16	1015.5	2-3	270	3	29.6	29.2	25.6
11	32° 05.6	077° 40.1	FEW		10	290	16.5	1015.8	2-3	270	3-4	29.6	29.2	26.0
12	32° 05.5	077° 40.1	SCT		10	295	14	1016.2	2-3	280	3-4	29.7	29.1	25.5
13	32° 05.5 N	077° 40.2 W	SCT		10	295	13	1016.0	2-3	280	3-4	29.7	29.0	25.5
14	32° 05.5 N	077° 40.2 W	BKN		10	295	13	1015.9	2-3	280	3-4	29.8	29.0	25.8
15	32° 05.4	077° 40.2	SCT		10	304	12	1015.4	2-3	275	3-4	30.0	28.9	25.5
16	32° 05.3	077° 40.3	BKN		10	290	12	1019.9	2	270	3-4	30.0	29.1	25.5
17	32° 05.9	077° 39.8	BKN		10	280	14	1014.5	2	270	3-4	29.9	29.0	25.7
18	32° 11.4	077° 31.8	SCT		10	315	14	1013.4	1-2	290	3	30.0	28.6	25.4
19	32° 10.8	077° 34.9	SCT		10	310	11	1013.4	1-2	250	2-3	29.8	28.2	25.1
20	32° 19.6	077° 31.8	FEW		10	293	7	1013.7	1-2	295	1-2	29.8	28.2	25.2
21	32° 20.4	077° 32.5	FEW		10	339	5	1014.2	1-2	295	1-2	29.7	28.1	25.1
22	32° 13.5	077° 35.4	FEW		10	330	8	1014.8	1-2	295	1-2	29.6	28.2	25.3
23	32° 17.4	077° 35.3	FEW		10	283	6	1015.0	1-2	295	1-2	29.6	28.2	24.8

DECK LOG – WEATHER OBSERVATION SHEET

NOAA Ship OKEANOS EXPLORER (R-337) TIME ZONE -4 DAY OF WEEK TUESDAY DATE (dd mmm yyyy) 02 JUL 2019

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	32°23.9'	077°34.1'	FEW		10	345	5	1015.1	1-2	295	1-2	29.5	28.0	24.9
01	32°16.7'	077°37.0'	FEW		10	350	3	1014.8	1-2	295	1-2	29.5	27.9	25.4
02	32°15.0'	077°38.9'	FEW		10	010	6	1014.8	1-2	295	1-2	29.5	28.1	25.2
03	32°21.1'	077°36.5'	FEW		10	035	5	1014.5	1	295	1-2	29.4	27.8	25.2
04	32°23.8	077°31.5	CLR		10	020	5	1014.5	1	—	1	29.4	28.0	25.6
05	32°20.8	077°29.9	FEW		10	073	5	1014.8	1	065	1	29.4	28.2	25.4
06	32°17.8 N	077°27.4 W	FEW		10	087	3	1014.8	1	040	1-2	29.5	28.2	25.5
07	32°17.6 N	077°27.6 W	SCT		10	094	2	1016.1	1	040	1-2	29.5	28.4	25.5
08	32°19.9'	077°35.5'	FEW		10	130	6.5	1016.5	1	040	1-2	29.6	29.2	25.8
09	32°21.5	077°38.0	FEW		10	108	6	1015.7	1	340	1-2	29.6	28.6	25.6
10	32°24.2	077°48.0	FEW		10	151	8	1016.2	1-2	345	1-2	29.5	28.6	25.5
11	32°33.7'	077°45.2	FEW		10	160	8	1016.4	1-2	070 040	1-2	29.7	28.9	25.6
12	32°44.4 N	077°33.9 W	SCT		10	165	7	1016.2	1-2	070	1-2	29.6	28.6	25.5
13	32°52.2 N	077°25.0 W	FEW		10	155	5	1017.1	1-2	070 040	1-2	28.8	28.6	25.5
14	32°59.1	077°17.5	FEW		10	168	8	1016.9	1-2	105	1-2	28.4	28.6	25.1
15	33°07.1	077°08.7	FEW		10	175	10	1015.7	1	165	1-2	28.4	28.7	24.7
16	33°15.1'	076°59.9'	FEW		10	185	10	1015.0	1	175	1-2	28.7	28.7	25.0
17	33°22.2'	076°52.2'	FEW		10	190	10	1014.4	1	160	1-2	28.6	28.5	24.5
18	33°29.1'	076°44.6'	FEW		10	205	10	1014.8	1-2	170	1-2	28.7	29.0	24.8
19	33°36.3	076°36.6	FEW		10	200	14	1014.3	1-2	170	2-3	28.9	29.6	25.0
20	33°43.4	076°28.6	FEW		10	209	11	1013.4	1-2	170	1-2	28.8	28.6	24.6
21	33°50.8	076°20.6	FEW		10	200	12	1013.2	1-2	170	1-2	28.5	28.0	24.2
22	33°59.0	076°13.5	FEW		10	198	13	1013.7	1-2	170	1-2	28.7	28.0	24.0
23	34°07.6	076°04.2	FEW		10	209	13	1014.3	1-2	170	1-2	29.8	28.1	24.3

DECK LOG - WEATHER OBSERVATION SHEET

NOAA Ship OKEANOS EXPLORER (R-337) TIME ZONE -4 DAY OF WEEK WEDNESDAY DATE (dd mmm yyyy) 03 JUL 2019

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	34° 16.4'	075° 54.7'	FEW		10	215	16	1014.6	1-2	170	1-2	29.9	28.2	24.3
01	34° 26.0'	075° 44.3'	FEW		10	215	16	1014.7	2	170	2-3	29.9	28.3	24.3
02	34° 35.5'	075° 33.9'	FEW		10	215	17	1014.8	2	170	2-3	29.8	28.4	24.0
03	34° 45.3'	075° 23.3'	FEW		10	225	18	1014.3	2	170	3	29.8	28.6	24.1
04	34° 54.5'	075° 13.1'	CLR		10	227	18	1014.1	2	180	2-3	29.5	28.6	24.4
05	35° 03.8'	075° 02.9'	CLR		10	226	17	1013.9	2	200	2-3	29.2	28.7	24.2
06	35° 09.2N	074° 59.4W	FEW		10	220	16	1013.5	2-3	220 200	2-3	28.8	28.3	24.8
07	35° 09.4N	075° 01.2W	FEW		10	215	19	1013.9	2-3	220	2-3	29.4	28.6	25.5
08	35° 20.3'	074° 54.3'	FEW		10	226	19	1014.6	2-3	220	2-3	29.2	28.8	25.6
09	35° 33.2'	074° 49.3'	FEW		10	226	14	1013.7	2-3	208	2-3	27.6	27.4	25.9
10	35° 37.0'	074° 47.5'	FEW		10	224	15	1013.7	2-3	205	2-3	27.6	27.5	25.6
11	35° 37.0'	074° 47.5'	FEW		10	220	15	1014.3	1-2	205	1-2	27.6	27.7	26.0
12	35° 37.4W	074° 45.2W	SCT		10	225	13	1015.9	1-2	205	1-2	27.7	28.3	26.7
13	35° 37.5'	074° 44.8'	FEW		10	234	17	1014.2	2	195	2-3	27.8	28.0	26.3
14	35° 37.4'	074° 44.9'	SCT		10	227	16	1014.2	2	180	2-3	27.8	28.1	26.3
15	35° 37.4N	074° 44.9W	SCT		10	230	16	1013.5	2	190	2-3	27.6	28.2	26.3
16	35° 37.4'	074° 44.9'	BKN	RA VC	8-10	235	17	1013.3	2	190	2-3	27.5	28.2	26.4
17	35° 37.4'	074° 44.9'	BKN	RA VC	8-10	220	20	1012.6	2-4	190	3-4	27.4	26.3	23.3
18	35° 37.2'	074° 45.1'	OVC	LTC VC	8-10									
19	35° 36.7'	074° 45.5'	OVC		9-10	120	10		1-2	180	3-4			
20	35° 36.6'	074° 45.2'	OVC		9-10	155	13	1014.3	1-2	150	2-4	27.4	25.2	23.3
21														
22	35° 31.3'	074° 47.1'			10	165	12	1016.1	1-2	150	1-2	28.1	26.3	22.8
23	35° 24.9'	074° 45.5'			10	200	14	1016.0	1-2	150	1-2	29.6	26.6	23.3

* (1700) LIGHTNING VC
* 2100 MANEUVERING OPERATIONS

DECK LOG – WEATHER OBSERVATION SHEET

NOAA Ship <u>OKEANOS EXPLORER (R-337)</u>						TIME ZONE <u>-4</u>	DAY OF WEEK <u>THURSDAY</u>	DATE (dd mmm yyyy) <u>04 JUL 2019</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	35° 18.4'	074° 44.9'	BKN	LTG VC	10	190	15	1016.5	1-2	150	1-2	29.5	26.7	23.3
01	35° 11.4'	074° 44.2'	BKN		10	190	18	1017.0	1-2	150	2	29.5	27.3	23.1
02	35° 03.5'	074° 43.4'	OVC		10	190	15	1016.6	1-2	150	2	29.2	27.2	24.4
03	34° 55.0'	074° 42.6'	OVC		10	200	17	1017.1	2	150	2-3	28.9	27.5	24.9
04	34° 46.6'	074° 41.8'	BKN		10	200	16	1016.8	2	—	23	28.7	27.4	24.5
05	34° 39.2'	074° 41.1'	BKN	LTG VC	10	183	13	1016.8	2-3	205	3	28.8	27.2	25.0
06	34° 34.6'N	074° 41.0'W	BKN	LTG-VC	10	210	14	1016.5	1-2	190	2-3	28.8	26.7	24.0
07	34° 34.8'	074° 40.9'	BKN		10	186	9	1017.1	1-2	215	2-3	28.9	26.7	24.0
08	34° 34.8'	074° 40.8'	BKN		10	204	13	1018.3	1-2	200	2-3	29.0	27.8	23.4
09	34° 34.6'	074° 40.6'	BKN		10	189	13	1018.5	1-2	190	2-3	29.3	27.8	24.2
10	34° 34.6'	074° 40.7'	BKN		10	189	14	1018.1	1-2	190	2-3	29.4	27.8	24.7
11	34° 34.7'	074° 40.7'	BKN		10	185	9	1019.8	2	200	3-4	29.5	28.5	23.2
12	34° 34.4'	074° 41.0'	BKN		10	185	9	1020.1	2	210	3	29.6	28.7	22.5
13	34° 34.4'	074° 41.0'	SCT		10	190	10	1019.8	2	210	2-3	29.7	28.5	24.0
14	34° 34.4'N	074° 41.0'W	SCT		10	190	10	1019.7	1-2	210	2-3	29.7	28.9	23.1
15	34° 34.4'	074° 41.0'	SCT		10	177	8	1019.8	2	220	2-3	29.8	29.6	24.6
16	34° 34.4'	074° 41.0'	SCT		10	170	9	1019.1	1-2	225	2-3	29.8	28.7	24.4
17	34° 34.1'N	074° 40.5'W	SCT		10	153	7	1018.7	1-2	220	2-3	29.6	29.8	25.1
18	34° 39.5'	074° 41.1'	SCT		10	175	14	1018.2	1-2	220	2-3	29.6	30.1	24.6
19	34° 47.8'	074° 48.1'	BKN		10	163	12	1018.2	1-2	220	2-3	29.7	28.5	24.6
20	34° 57.3'	074° 47.5'	BKN		10	196	15	1018.6	1-2	230 230	1-2	29.7	28.5	24.6
21	35° 09.2'	074° 48.1'	BKN		10	192	13	1018.3	1-2	230	1-2	29.7	28.4	24.6
22	35° 22.5'	074° 49.1'	BKN	LTG	10	190	12	1019.3 1017.6	1-2	DK	2-3	29.7	28.6	24.5
23	35° 32.9'	074° 49.8'	BKN	LTG	10	145	14	1019.4	1-2	DK	2-3	27.0	26.5	24.3

2200 - HEAVY LIGHTENING, FIREWORKS ON CAPE MATTERAS VISIBLE,

DECK LOG – WEATHER OBSERVATION SHEET

NOAA Ship OKEANOS EXPLORER (R-337) TIME ZONE -4 DAY OF WEEK FRIDAY DATE (dd mmm yyyy) 05 JUL 2019 RP

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	35°42.1'	074°49.3'	SCT		10	165	12	1019.9	1-2	150	2-3	26.8	27.0	24.5
01	35°46.2'	074°51.2'	SCT		10	177	12	1020.6	1-2	150	2-3	26.7	27.1	24.9
02	35°51.9'	074°51.6'	SCT		10	176	11	1020.8	1-2	OK	2-3	26.5	26.9	24.7
03	35°57.0'	074°49.4'	SCT		10	200	13	1019.9	1-2	DK	2-3	26.2	26.0	24.2
04	36°01.9	074°48.0	SCT		10	210	11	1019.9	1-2	150	2-3	26.4	26.2	24.5
05	35°57.1	074°47.6	BKN		10	200	12	1019.7	1-2	170	2-3	26.3	26.0	23.5
06	35°55.5 N	074°45.1 W	BKN		10	165	9	1020.2	1-2	180	2-3	26.1	23.7	23.6
07	35°55.6 N	074°46.1 W	BKN		10	190	5	1022.1	1-2	180	2-3	26.2	27.0	24.7
08	35°55.5	074°46.1	BKN		10	204	6	1021.5	1-2	180	2-3	26.1	26.5	24.9
09	35°55.3	074°45.9	BKN		10	203	5	1021.5	1-2	180	2-3	26.1	26.5	24.7
10	35°55.3	074°45.8	BKN		10	210	6	1022.0	1-2	180	2-3	26.2	27.0	24.8
11	35°55.4	074°45.8	BKN		10	210	5	1022.6	1-2	180	2-3	26.3	27.2	24.9
12	35°55.5	074°45.8	SCT		10	185	5	1020.9	1-2	155	2	26.6	27.2	24.8
13	35°55.5 N	074°45.8 W	SCT		10	170	6	1021.7	1-2	150	2	26.5	27.4	24.6
14	35°55.6'	074°45.9'	SCT		10	140	16	1021.6	1-2	170 15	2-3	27.2	26.6	23.6
15	35°55.6 N	074°45.9 W			10	190	17	1021.4	1-2	170	2-3	27.0	26.7	23.8
16	35°55.6'	074°46.0'	BKN		10	185	16	1021.0	2-3	140 210	3-4	26.8	25.9	23.6
17	35°55.2'	074°45.9'	BKN		10	212	10	1021.1	2	175	2-3	26.8	26.2	23.9
18	35°56.6'	074°46.3'	BKN											*
19	36°02.3	074°44.8	SCT		10	184	11	1019.7	1-2	180	2	27.1	27.1	24.2
20	35°57.1	074°46.9	SCT		10	182	10	1019.7	1-2	190	2	26.8	26.9	24.9
21	35°59.5	074°46.9	SCT		10	217	11	1019.7	1-2	190	2	26.9	26.7	25.0
22	35°59.6	074°47.5	SCT		10	201	8	1020.3	1-2	190	2	26.9	26.9	24.5
23	35°57.7	074°48.4	SCT		10	193	7	1020.2	1-2	190	2	26.8	26.8	24.6

* MANEUVERING

DECK LOG – WEATHER OBSERVATION SHEET

NOAA Ship OKEANOS EXPLORER (R-337) TIME ZONE -4 DAY OF WEEK SATURDAY DATE (dd mmm yyyy) 06 JUL 2019

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°01.0'	074°47.9'	FEW		10	207	9	1020.3	1-2	190	2	26.8	26.7	24.3
01	35°57.9'	074°49.0'	FEW		10	210	10	1020.4	1-2	180	2-3	27.0	26.7	24.2
02	35°59.1'	074°49.0'	FEW		10	200	12	1019.6	1-2	190	2-3	26.9	26.5	24.4
03	36°01.7'	074°48.5'	FEW		10	200	12	1019.3	1-2	190	2-3	26.7	26.4	24.4
04	35°54.8	074°50.8	FEW		10	217	13	1019.3	1-2	190	2-3	26.8	26.9	24.4
05	35°45.7	074°49.6	SCT		10	234	12	1019.6	2	160	2-3	26.2	26.7	24.5
06	35°44.1	074°48.8	SCT		10	214	8	1019.5	1-2	165	2-3	26.6	26.8	24.8
07	35°44.0	074°48.8	SCT		10	224	9	1020.4	1-2	185	2-3	26.7	26.8	25.0
08	35°44.0	074°48.8	SCT		10	220	9	1020.4	1-2	185	2-3	26.9	27.0	25.0
09	35°44.0	074°48.7	SCT		10	228	11	1020.5	1-2	180	2-3	27.0	27.2	25.0
10	35°43.9	074°48.7	BKN		10	225	18	1018.7	1-2	230	2-3	26.9	26.5	23.9
11	35°43.9	074°48.8	BKN		10	229	16	1019.3	1-2	230	2-3	26.9	26.5	24.2
12	35°44.0	074°48.9	SCT		10	224	18	1020.0	2	220	3	27.0	26.9	24.6
13	35°44.0	074°48.9	SCT		10	225	19	1019.9	2-3	215	3	27.0	27.4	24.6
14	35°44.0	074°49.0	BKN		10	216	20	1019.1	2-3	215	3	27.1	27.6	25.1
15	35°44.1	074°49.1	RA	RA	7	236	16	1018.7	3	210	3-4	27.2	25.9	24.3
16	35°44.1'	074°49.2'	SCT		8-9	205	20	1017.5	2-3	190	3-4	27.2	27.0	24.6
17	35°44.0'	074°49.1'	BKN		10	210	20	1016.6	2-3	210	3-4	27.2	27.5	24.8
18	35°44.1'	074°49.1'	SCT		10	210	22	1015.7	2-3	210	4	27.1	28.1	25.0
19	ROV	OFS												
20	35°47.1	074°52.5	SCT		10	204	23	1014.2	2-3	217	3-4	27.1	27.6	25.5
21	35°53.4	074°51.4	SCT		10	218	17	1014.0	2-3	217	3	27.0	27.5	25.3
22	36°00.5	074°49.3	SCT		10	222	18	1014.8	1-2	217	2-3	27.0	27.4	25.3
23	36°08.5	074°46.6	SCT		10	219	18	1014.5	1-2	217	2-3	26.4	27.0	25.4

1500: SKY CONDITION: BKN

MB

DECK LOG - WEATHER OBSERVATION SHEET

NOAA Ship		OKEANOS EXPLORER (R-337)		TIME ZONE	DAY OF WEEK	DATE (dd mmm yyyy)								
				-4	SUNDAY	07 JUL 2019								
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° 16.1'	074° 44.1'	SCT		10	220	20	1014.0	1-2	217	2-3	26.3	26.9	25.5
01	36° 20.2'	074° 43.8'	SCT	LTG VC	10	225	16	1013.7	1-2	220	2-3	25.7	26.9	25.2
02	36° 24.2'	074° 43.5'	BKN	LTG, RA	10 ⁶⁻⁸	237	14	1013.3	2-3	220	3-4	25.9	26.5	23.7
03	36° 27.6'	074° 42.6'	OVC	LTG, RA	5-7	175	7	1013.1	2-3	180	3-4	25.6	25.7	23.8
04	36° 23.6'	074° 42.6'	OVC	LTG, RA	3-5	214	16	1012.7	2-3	190	3-4	25.8	26.5	24.7
05	36° 19.9'	074° 42.1'	OVC	LTG, RA	5-7	247	21	1013.1	2-3	200	3-4	25.9	26.6	25.0
06	36° 21.1'N	074° 37.4'W	OVC		8	270	20	1013.3	2-3 ⁵⁻⁵	200 ²⁶⁰	3-4 ⁴⁻⁵	25.4	26.4	25.0
07	36° 21.1'N	074° 37.4'W	OVC		8-10	300	10	1013.6	2-3	180 ¹⁸⁰ / ₂₄₀	5	25.4	26.0	24.3
08	36° 21.0'	074° 37.4'	OVC		8-10	220	10	1014.1	3	200	4-5	25.4	26.1	24.9
09	36° 20.9'	074° 37.3'	OVC		10	236	10	1014.6	1-2	230	3-4	25.4	26.0	24.9
10	36° 21.2'	074° 37.8'	OVC		10	248	13	1014.6	1-2	225	3	25.6	26.1	24.8
11	36° 21.0'	074° 37.5'	OVC		10	230	16	1014.6	2	170 ¹⁷⁰ / ₂₁₀	3-4	25.6	26.1	24.8
12	36° 21.2'N	074° 37.5'W	BKN		10	240	16	1015.1	2-3	220 ²²⁰ / ₁₇₀	3-4	25.6	26.3	24.9
13	36° 21.2'	074° 37.5'	BKN		10	243	13	1014.4	2-3	195	3-4	25.8	26.6	25.1
14	36° 21.3'	074° 37.5'	BKN		8-10	233	15	1014.3	2-3	190	3-4	25.8	26.7	25.2
15	36° 21.3'	074° 37.6'	BKN		10	235	15	1013.3	2-3	200	3-4	25.8	26.3	24.1
16	36° 21.3'	074° 37.6'	SCT		10	217	15	1013.3	1-2	200	3-4	25.9	27.0	25.1
17	36° 20.8'N	074° 37.6'W	SCT		10	215	15	1012.2	1-2	200	3-4	25.9	26.7	25.4
18	36° 19.1'	074° 41.8'	BKN		10	220	15	1012.2	1-2	200	3-4	26.4	27.2	25.4
19	36° 16.2'	074° 42.3'	OVC		10	210	10	1011.6	1-2	200	3-4	26.3	27.0	25.4
20	36° 20.3'	074° 42.0'	OVC		10	225	15	1012.0	1-2	220	2-3	26.2	27.1	25.3
21	36° 25.5'	074° 41.7'	OVC	LTG VC	10	253	11	1012.1	1-2	220	2-3	26.0	26.7	25.4
22	36° 33.4'	074° 44.8'	OVC	LTG VC	10	254 ⁰⁵⁴	7	1013.4	1-2	220	2-3	26.7	25.4	24.3
23	36° 41.5'	074° 41.6'	OVC	LTG VC	10	062	4	1013.7	1-2	220	2-3	25.6	25.6	23.9

AK

BP

KT

0600 SEA WAVE HEIGHT 2-3 FT, SWELL WAVES 4-5 FT. - BP

DECK LOG - WEATHER OBSERVATION SHEET

NOAA Ship OKEANOS EXPLORER (R-337) TIME ZONE -4 DAY OF WEEK MONDAY DATE (dd mmm yyyy) 08 JUL 2019

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°51.1'	074°39.7'	BKN		10	085	5	1013.9	1-2	220	2-3	26.2	25.3	23.7
01	37°00.6'	074°38.0	BKN		10	120	4	1013.3	1-2	220	2-3	25.8	25.1	23.4
02	37°09.5'	074°33.8	BKN		10	155	6	1012.8	1-2	220	2-3	26.4	25.2	23.2
03	37°18.0	074°30.5'	SCT		10	155	6	1012.7	1-2	220	2-3	26.1	25.0	23.4
04	37°23.9	074°26.6	BKN		10	178	6	1012.5	1-2	UNK	2-3	26.0	25.1	23.4
05	37°23.2	074°29.8	BKN		10	185	5	1012.3	1-2	190	2-3	25.8	25.1	23.1
06	37°24.3N	074°24.1W	OVC	DZ	8-10	145	6	1012.3	1-2	370 020/190	2-3	25.9	25.1	23.5
07	37°24.3N	074°25.2W	OVC	DZ RA	8-10	180	8	1011.3	1-2	020 190	4-5	25.9	24.6	23.5
08	37°24.6	074°24.7	OVC	DZ	8-10	178	7	1011.4	1-2	190	2-3	25.9	24.3	23.1
09	37°24.2	074°24.8	OVC	DZ	8-10	118	6	1011.1	1-2	190	2-3	25.9	24.3	23.0
10	37°24.3	074°24.7	OVC	DZ	8-10	144	5	1011.5	1-2	170	1-2	25.9	24.6	23.0
11	37°24.4'	074°24.6'	OVC		10	065	10	1013.7	1-2	170	2	26.0	24.9	23.3
12	37°24.5	074°24.6	OVC		8-10	084	8-10	1013.3	2-3	060 195	3-4	26.0	25.0	23.4
13	37°24.5	074°24.5	OVC	RA VC	6-8	098	14	1013.1	2-3	060 190	3-4	26.0	25.2	23.5
14	37°24.6N	074°24.5W	OVC	RA SQ	6-8	070	17	1012.2	2-3	060 190	4-5	26.1	24.2	23.3
15	37°24.6N	074°24.4W	OVC	RA SQ	6-8	075	27	1012.4	2	060	6	25.9	23.2	21.5
16	37°24.9'	074°23.8'	OVC	RA SQ	6-8	065	21	1012.7	3-5	060	6-8	25.8	23.8	21.5
17	37°23.9N	074°23.8W	OVC	RA	6-8	066	24	1011.9	3-5	080	6-8	25.8	23.4	21.9
18	37°22.6'	074°19.7'	OVC		5-8	065	19	1013.7	3-4	080	6-8	25.2	24.2	21.5
19	37°24.5'	074°26.1'	OVC		10	055	17	1014.4	2-3	060	5-6	25.6	24.7	21.6
20	37°27.7	074°29.9	BKN OVC		8-10	057	22	1012.6	2-3	070	4-5	25.3	24.3	21.0
21	37°33.6	074°25.7	BKN		10	052	20	1013.7	2-3	070	4-5	25.0	24.0	20.6
22	37°39.1	074°19.0			10	053	24	1014.2	2-3	070	4-5	24.7	23.7	19.4
23	37°45.3	074°11.5			10	054	18	1014.4	2-3	070	4-5	24.4	23.6	19.9

*0600 SWELL WAVES: 020°/190°T - BDP
 *1200 WIND SPEED: 12 KTS - MBO
 *1500 WIND GUSTS TO 40 KTS IN PAST 30 MIN,

DECK LOG – WEATHER OBSERVATION SHEET

NOAA Ship OKEANOS EXPLORER (R-337) TIME ZONE -4 DAY OF WEEK TUESDAY DATE (dd mmm yyyy) 09 JUL 2019

TIME	POSITION		SKY CON-DITION	PRESENT WEATHER	VISI-BILITY (nm)	WIND		SEA LEVEL Press. (mb)	SEA WAVE Height (ft)	SWELL WAVES		TEMPERATURE (°C)		
	LATITUDE N	LONGITUDE W				Dir. (true)	Speed (kts)			Dir. (true)	Height (ft)	SEA WATER	DRY BULB	WET BULB
00	37° 51.8'	074° 03.7'	SCT		10	050	20	1014.7	2-3	070	4-5	23.3	23.3	19.0
01	37° 56.1'	073° 58.3'	FEW		10	050	17	1015.1	2-3	070	4-5	23.9	23.1	18.6
02	38° 01.9'	073° 50.1'	FEW		10	050	17	1015.3	1-2	070	3-4	24.1	23.0	18.8
03	38° 08.0'	073° 41.4'	FEW		10	055	13	1015.0	1-2	070	3-4	23.9	22.8	18.4
04	38° 13.4	073° 33.7	FEW		10	047	14	1014.9	2	070	3	24.7	22.9	18.1
05	38° 17.1	073° 28.4	FEW		10	036	12	1015.4	2-3	070	3	24.3	22.7	18.6
06	38° 19.0 W	073° 25.6 W	FEW		10	030	11	1016.8	1-2	050	3-4	24.4	22.8	18.5
07	38° 18.9 N	073° 26.2 W	FEW		10	018	12	1018.5	2	050 070	3	24.3	23.4	18.7
08	38° 18.9	073° 26.1	FEW		10	020	14	1018.6	2	060	3	24.3 23.1	23.1	19.2
09	38° 19.0	073° 25.7	FEW		10	051	11	1019.5	2	070	2-3	24.4	23.1	19.2
10	38° 19.1	073° 25.6	FEW		10	055	9	1019.8	2	050 075	2-3	24.6	23.1	19.0
11	38° 19.1	073° 25.5	FEW		10	039	7	1020.1	2	080	2-3	24.7	23.1	19.0
12	38° 19.3	073° 25.6	FEW		10	054	7	1020.4	1-2	075	2-3	24.7	23.4	18.9
13	38° 19.3 N	073° 25.6	FEW		10	057	5	1020.6	1-2	085	2-3	24.8	23.6	18.6
14	38° 19.3	073° 25.6	FEW		10	058	4	1020.3	1-2	080	2-3	25.1	23.7	18.7
15	38° 19.3 N	073° 25.6	FEW	HZ -	10	074	2	1019.7	1-2	074 095	2-3	25.0	23.9	18.5
16	38° 19.3'	073° 25.6'	FEW		10	VAR	LT	1018.7	0-1	080	2-3	24.9	24.2	18.7
17	38° 19.6'	073° 25.1'	FEW	HZ -	10	VAR	LT	1018.7	0-1	075	2-3	25.2	24.6	19.1
18	38° 19.9'	073° 27.6'	FEW	HZ -	10	VAR	LT	1018.6	0-1	110	2-3	24.5	23.6	19.2
19	38° 08.3'	073° 21.8'	FEW	HZ -	10	VAR	LT	1018.2	0-1	070	2-3	23.6	23.4	19.5
20	38° 05.0	073° 26.0	FEW		10	201	3	1018.5	1	070	1-2	24.9	23.3 23.3	19.6
21	38° 07.3	073° 29.6			10	159	2	1018.9	1-2	070	1-2	25.1	23.3	19.5
22	38° 01.5	073° 29.1			10	163	2	1014.3	1-2	070	1-2	24.7	23.1	19.4
23	37° 58.8	073° 31.2			8-10	165	3	1019.2	1-2	310	1-2	24.7	23.2	19.3

KT

NO

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DECK LOG - WEATHER OBSERVATION SHEET

NOAA Ship OKEANOS EXPLORER (R-337) TIME ZONE -4 DAY OF WEEK WEDNESDAY DATE (dd mmm yyyy) 10 JUL 2019

TIME	POSITION		SKY CON-DITION	PRESENT WEATHER	VISI-BILITY (nm)	WIND		SEA LEVEL Press. (mb)	SEA WAVE Height (ft)	SWELL WAVES		TEMPERATURE (°C)		
	LATITUDE N	LONGITUDE W				Dir. (true)	Speed (kts)			Dir. (true)	Height (ft)	SEA WATER	DRY BULB	WET BULB
00	38° 01.7'	073° 40.6'	CLR		10	170	4	1019.1	0-1	070	1-2	25.2	23.1	19.3
01	38° 03.9'	073° 45.9'	CLR		10	200	3	1018.9	0-1	070	1-2	24.2	22.9	19.4
02	38° 07.3'	073° 50.5'	CLR		10	200	4	1018.6	0-1	070	1-2	24.3	22.9	19.5
03	38° 11.6'	073° 51.7'	CLR		10	255	3	1018.5	0-1	070	1-2	24.6	23.0	19.4
04	38° 07.8	073° 50.5	FEW		10	240	3	1018.3	<1	-	1-2	24.4	22.8	19.6
05	38° 06.5	073° 49.7	FEW	HZ-	8-10	215	4	1018.3	<1	100	2	24.2	22.7	19.5
06	38° 07.3	073° 50.8	FEW		10	227	3	1018.8	<1	120	2-3	24.3	22.6	19.6
07	38° 07.7	073° 50.9	FEW		10	191	3	1020.3	<1	120	1-2	24.4	23.3	19.8
08	38° 07.7	073° 50.9	CLR		10	183	4	1020.5	1	120	1-2	24.5	23.2	19.7
09	38° 07.5	073° 50.7	CLR		10	195	4	1021.1	<1	120	1	24.6	23.4	20.2
10	38° 07.4	073° 50.7	CLR		10	217	2	1021.1	<1	125	1	24.7	24.6	20.3
11	38° 07.3	073° 50.8	CLR		10	207	2	1021.4	<1	110	1	24.8	24.6	19.8
12	38° 07.4	073° 50.8	CLR		10	189	6	1020.0	<1	100	1	24.7	24.1	20.1
13	38° 07.3	073° 50.9	CLR		10	182	7	1019.4	<1	110	1-2	24.9	24.1	19.6
14	38° 07.3	073° 50.9	FEW		10	190	6	1020.0	<1	115	1-2	25.0	24.7	19.7
15	38° 07.2	073° 50.9	FEW		10	204	5	1020.7	<1	115	1-2	25.1	25.5	19.6
16	38° 07.2'	073° 50.9'	FEW		10	193	3	1019.1	<1	120	1-2	25.3	25.1	19.5
17	38° 07.1'	073° 50.6'												
18	38° 01.4'	073° 52.7'	FEW		10	180	4	1017.7	<1	120	1-2	24.3	24.8	18.5
19	37° 56.8'	073° 58.3'	FEW		10	195	8	1018.2	<1	120	1-2	24.9	24.8	19.3
20	37° 52.5	074° 02.1	FEW		10	139	9	1017.5	<1	120	1-2	24.8	24.8	19.9
21	37° 43.2	074° 06.9	FEW		10	125	7	1017.1	<1	120	1-2	24.3	24.7	21.4
22	37° 32.5	074° 11.8	FEW		10	114	12	1017.5	1-2	120	1-2	24.5	25.0	22.1
23	37° 22.8	074° 16.1	CLR		10	114	13	1017.1	1-2	120	1-2	24.8	24.9	22.9

1700 : MVLCS DEPARTING STATION, REVERTING TO MANUAL CTRL

DECK LOG – WEATHER OBSERVATION SHEET

NOAA Ship **OKEANOS EXPLORER (R-337)** TIME ZONE **-4** DAY OF WEEK **THURSDAY** DATE (dd mmm yyyy) **11 JUL 2019**

TIME	POSITION		SKY CON-DITION	PRESENT WEATHER	VISI-BILITY (nm)	WIND		SEA LEVEL Press. (mb)	SEA WAVE Height (ft)	SWELL WAVES		TEMPERATURE (°C)		
	LATITUDE N	LONGITUDE W				Dir. (true)	Speed (kts)			Dir. (true)	Height (ft)	SEA WATER	DRY BULB	WET BULB
00	37° 13.6'	074° 20.3'	FEW		10	123	11	1017.1	<1	135	1-2	25.4	25.2	23.3
01	37° 04.1'	074° 24.5	FEW		10	125	11	1017.1	<1	135	1-2	25.3	25.4	23.5
02	36° 54.6'	074° 28.8'	FEW		10	130	10	1017.1	<1	135	1-2	25.5	25.5	24.2
03	36° 51.3'	074° 28.2'	FEW		10	170	5	1017.1	<1	135	1-2	25.3	25.6	24.5
04	36° 51.7 N	074° 28.0 W	FEW		10	170	6	1016.9	<1	135	1-2	25.3	25.5	24.5
05	36° 52.1	074° 29.1	FEW		10	140	7	1016.5	1	140	1-2	25.3	25.4	24.6
06	36° 51.9 N	074° 29.2 W	FEW		10	175	7	1016.8	1	¹⁶⁵ 120	1-2	25.3	25.5	24.6
07	36° 52.1	074° 29.3	FEW		10	188	8	1016.0	1	130	1-2	25.3	25.9	24.8
08	36° 52.1	074° 29.3	FEW		10	190	6	1016.6	<1	130	1-2	25.4	25.9	25.0
09	36° 51.8	074° 29.0	FEW		10	201	6	1017.1	<1	120	1-2	25.4	25.9	24.9
10	36° 51.8	074° 29.1	FEW		10	204	5	1017.5	<1	130	1-2	25.4	26.3	25.2
11	36° 51.8	074° 29.1	SCT		10	204 204	6	1017.1	<1	130	1-2	26.6	26.3	25.2
12	36° 51.9	074° 29.1	FEW		10	214	8	1017.1	1	¹³⁰ 165	1-2	25.6	26.9	25.4
13	36° 51.9 N	074° 29.1 W	SCT		10	204	7	1015.4	1	¹³⁰ 160	1-2	26.0	26.4	25.3
14	36° 52.0	074° 29.0	FEW		10	184	9	1014.9	1-2	180	1-2	26.0	26.4	25.2
15	36° 52.1	074° 29.0	FEW		10	185	10	1014.4	1-2	185	1-2	26.2	26.5	25.3
16	36° 52.0'	074° 28.9'	FEW		10	175	13	1013.3	1-2	185	2-3	26.3	26.6	25.3
17	36° 51.7'	074° 28.6	FEW		10	165	13	1013.1	1-2	175	2-3	26.3	26.7	25.3
18	36° 52.7'	074° 29.0	FEW		10	180	15	1012.8	1-2	185	2-3	26.2	27.4	25.2
19	36° 58.8'	074° 29.0	FEW		10	190	14	1012.7	2	185	2-3	25.6	27.9	25.2
20	37° 02.5	074° 30.4	FEW		10	173	17	1010.8	1-2	220	2-3	25.6	26.5	24.9
21	37° 02.2	074° 36.3	FEW	LTG VC	10	177 177	21	1010.7	1-2	220	2-3	25.4	26.5	25.1
22	37° 05.5	074° 41.4	SCT	LTG VC	10	185	22	1010.9	1-2	220	2-3	25.5	26.7	25.2
23	37° 05.2	074° 49.2	OC	SH	8-10	313	22	1011.3	2-3	220	3-5	25.5	24.0	22.8

DECK LOG – WEATHER OBSERVATION SHEET

NOAA Ship OKEANOS EXPLORER (R-337) TIME ZONE -4 DAY OF WEEK FRIDAY DATE (dd mmm yyyy) 12 JUL 2019

TIME	POSITION		SKY CON-DITION	PRESENT WEATHER	VISI-BILITY (nm)	WIND		SEA LEVEL Press. (mb)	SEA WAVE Height (ft)	SWELL WAVES		TEMPERATURE (°C)		
	LATITUDE N	LONGITUDE W				Dir. (true)	Speed (kts)			Dir. (true)	Height (ft)	SEA WATER	DRY BULB	WET BULB
00	37°04.0	075°00.3'	OVC	RA-	8-10	243	15	1011.9	2-3	220	3-5	25.7	24.1	22.7
01	37°02.7	075°11.3'	OVC	RA-	10	240	14	1011.0	2-3	220	3-5	26.4	24.0	22.6
02	37°01.4'	075°21.8'	OVC		10	230	11	1010.4	2-3	220	3-4	26.4	24.4	22.5
03	37°00.2'	075°31.9'	OVC		10	210	18	1010.6	1-2	230	3-4	26.3	24.8	23.3
04	36°59.2	075°40.4	BKN		10	210	14	1010.1	1-2	230	1-2	26.3	24.0	22.8
05	36°58.4	075°46.9	OVC		10	235	13	1012.5	1-2	170	1-2	25.3	24.0	22.8
06	36°57.8	075°51.4	OVC		10	255	13	1010.7	2	165	2	26.3	24.1	22.9
07	/													
08	/													
09	/													
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0700 1/3 TRANSIT, ALONGSIDE MOC-A