

## DECK LOG – WEATHER OBSERVATION SHEET

NOAA Ship <b>OKEANOS EXPLORER (R-337)</b>				TIME ZONE <b>- 5</b>	DAY OF WEEK <b>FRIDAY</b>	DATE (dd mmm yyyy) <b>24 MAY 2019</b>								
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	24° 12.9'	082° 19.3'	SCT		10	070	25	1016.5	2-3	070	7-8	27.6	26.8	24.3
01	24° 15.2'	082° 14.0'	SCT		10	075	25	1016.4	2-3	070	6-7	27.5	27.0	23.6
02	24° 17.4'	082° 08.8'	SCT		10	060	22	1015.9	2-3	070	5-7	27.5	26.9	23.3
03	24° 19.7'	082° 03.5'	SCT		10	070	21	1015.4	2-3	070	5-7	27.4	26.7	22.6
04	24° 22.4'	081° 57.3'	CLR		10	080	21	1015.3	1-3	070	4-6	27.1	26.6	22.0
05	24° 24.3'	081° 53.6'	FEW		10	080	20	1015.4	1-3	070	5	27.0	26.5	21.1
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0600 INBOUND KEY WEST, FL

### DECK LOG - WEATHER OBSERVATION SHEET

NOAA Ship <b>OKEANOS EXPLORER (R-337)</b>			TIME ZONE <b>-5</b>		DAY OF WEEK <b>THURSDAY</b>		DATE (dd mmm yyyy) <b>23 MAY 2019</b>							
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	23°59.3'	083°32.7'	FEW		10	105	21	1017.11	2-3	110	3-4	27.6	27.1	23.1
01	23°58.0	083°23.9	FEW		10	100	17	1016.9	2-3	110	3-4	27.6	27.2	22.7
02	23°57.4'	083°14.2'	FEW		10	100	21	1016.5	2-3	080	3-5	27.5	27.2	23.1
03	23°57.5'	083°04.7	SCT		10	090	20	1016.3	2-3	080	4-5	27.3	27.1	22.9
04	23°55.8	082°58.6	SCT		10	085	14	1016.1	2-3	085	4-5	26.8	27.2	23.4
05	23°55.6	083°06.7	SCT		10	080	15	1015.7	2	080	3-4	27.2	27.3	23.6
06	23°55.6	<del>083°07.1</del>	SCT		10	072	13	1015.9	2-3	060	3-4	27.0	27.0	23.4
07														
08	23°55.3'	083°34.7'	SCT		10	080	14.5	1016.7	2-3	060	3-4	27.6	27.3	23.9
09	23°54.6'	083°25.2'	BKN	RA VC	10	080	17	1018.2	3	060	4-6	27.0	26.8	23.4
10	23°54.2'	083°21.2'	BKN	RA VC	<del>10</del>	115	20	1017.8	3-4	<del>060</del> 100	5-6	27.1	25.3	23.3
11	23°53.8'	083°08.7'	SCT		10	115	9	1020.1	5	090	6-7	27.4	26.1	23.9
12	23°53.9	083°01.7	SCT		10	081	17	1020.0	3-4	085	6-7	27.5	27.5	23.7
13	23°52.5	082°58.2	SCT		10	082	18	1019.8	3-4	085	6-7	27.7	28.3	23.7
14	23°52.3	083°05.4	SCT		10	078	15	1019.6	4	080	6-7	27.8	29.1	23.9
15	23°52.9'	083°14.1'	SCT		10	070	20	1017.9	2-3	070	6-7	27.6	29.1	24.0
16	23°52.0	083°10.6	FEW		10	055	20	1016.6	3	070	6	27.6	27.3	23.7
17	23°55.2	083°02.6	FEW		10	085	20	1015.9	2-3	070	6	27.7	27.5	23.7
18	24°01.5'	082°56.4'	FEW		10	080	22	1015.9	2-3	070	6	27.5	27.5	23.3
19	24°02.4	082°49.2	FEW		10	075	20	1015.5	2-3	070	5-6 <sup>ft</sup>	27.5	27.4	23.7
20	24°02.5'	082°42.2	FEW		10	070	30	1014.3	2-3	070	7-8	27.6	27.4	23.1
21	24°05.4'	082°36.2'	FEW		10	070	22	1015.0	2-3	070	7-10	27.6	27.5	23.4
22	24°07.9'	082°30.6'	FEW		10	085	20	1015.3	2-3	070	7-10	27.6	27.5	23.6
23	24°09.9'	082°24.7	FEW		10	080	20	1015.0	2-3	070	7-9	27.6	27.1	23.8

0700 MANUEVERING

### DECK LOG - WEATHER OBSERVATION SHEET

NOAA Ship **OKEANOS EXPLORER (R-337)** TIME ZONE **-5** DAY OF WEEK **WEDNESDAY** DATE (dd mmm yyyy) **22 MAY 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	24° 16.4'	083° 03.1'	FEW		10	110	17	1011.9	1-2	150	2-3	28.4	27.7	23.2
01	24° 16.2'	082° 52.9'	FEW		10	<del>090</del> <sup>130</sup>	<del>10</del> <sup>17</sup>	<del>1011.4</del> <sup>1013.9</sup>	2-3	130	3-4	<del>28.4</del>	27.4	24.2
02	24° 16.0'	082° 42.4'	FEW		10	130	17	1013.7	2-3	130	3-4	27.4	27.5	23.9
03	24° 17.1'	082° 30.8'	SCT		10	110	15	1013.7	2-3	110	4	27.6	27.5	24.2
04	24° 18.5'	082° 18.3'	SCT		10	090	15	1013.5	2-3	090	4	27.7	27.4	24.4
05	24° 20.9'	082° 04.4'	SCT		10	090	14	1013.7	2-3	090	4	27.7	27.4	23.8
06	24° 24.3'	081° 53.1'	SCT		10	090	12	1013.9	3-4	090	3-4	27.6	27.2	24.0
07	24° 23.9'	081° 47.4'	FEW		10	100	9	1016.5	2-3	090	3-4	27.6	27.6	24.2
08	24° 19.6'	081° 48.2'	FEW		10	075	10	1017.4	2-3	090	3-4	27.7	27.6	24.2
09	24° 11.0'	081° 48.4'	FEW		10	075	10	1017.6	2-3	090	4	27.9	27.8	24.1
10	24° 01.5'	081° 48.5'	CLR		10	090	13	1018.2	2-3	090	4	28.0	27.9	24.1
11	23° 57.7'	081° 51.6'	CLR		10	090	10	1019.4	2	090	3-4	27.9	27.8	24.1
12	23° 59.8'	081° 59.8'	FEW		10	080	12	1017.3	2-3	080	3-4	—	29.0	26.0
13	24° 0.2'	082° 08.5'	FEW		10	080	12	1017.5	2-3	080	3-4	—	29.3	26.2
14	24° 00.1'	082° 16.7'	FEW		10	090	15	1017.2	—	080	3-4	—	31.5	27.5
15	24° 00.0'	082° 24.7'	SCT		10	090	13	1016.2	2-3	100	3-4	—	29.0	28.0
16	24° 00.5'	082° 26.9'	FEW		10	065	11	1015.9	3-4	085	3-4	—	29.0	26.0
17	23° 59.9'	082° 34.9'	SCT		10	075	17	1015.9	2-4	090	3-5	—	29.0	26.0
18	23° 59.8'	<del>082°</del> 028° 41.1'	SCT		10	080	19	1015.6	2-4	080	3-5	27.3	28.9	23.9
19	23° 59.7'	082° 50.9'	FEW		10	080	17	1015.1	2-3	100	3-4	27.4	28.3	24.0
20	23° 59.5'	082° 01.4'	FEW	LTCVC	10	080	18	1014.5	2-3	100	3-4	27.5	27.9	24.1
21	23° 59.3'	082° 12.8'	FEW	LTCVC	10	080	18	1014.2	2-3	100	3-4	27.5	27.8	24.3
22	23° 59.9'	082° 24.3'	FEW	LTCVC	10	095	22	<del>1014.7</del> 1014.2	2-3	100	3-4	27.5	27.4	24.3
23	24° 01.1'	083° 34.7'	FEW	LTCVC	10	090	22	<del>1015.3</del> 1014.2	2-3	115	3-4	<del>27.6</del> 27.5	<del>27.1</del> 27.7	<del>23.3</del> 24.3

\* 0100 SEA WATER = 27.7 SCS FROZEN RESTARTED AT 0100  
 1200-1700 MANUAL TEMPERATURE ENTRY/ANALOG THERMOMETER (BRIDGEWINGS)  
 2200, 2300 - SCS FROZEN AND NOT EVENT TO USER. VALUES FOR 2200 ~~INTERPOLATED~~  
 INTERPOLATED FROM 2100, 2300 VALUES

### DECK LOG - WEATHER OBSERVATION SHEET

NOAA Ship **OKEANOS EXPLORER (R-337)** TIME ZONE **-5** DAY OF WEEK **TUESDAY** DATE (dd mmm yyyy) **21 26 MAY 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	24° 06.0	082° 46.0	FEW		10	100	10	1013.7	1	000	2-3	27.8	27.0	23.7
01	24° 11.0'	082° 54.9'	FEW		10	120	9	1013.6	1	000	2	27.7	27.0	23.7
02	24° 12.7'	083° 05.2'	SCT		10	105	12	1013.4	1	000	2	27.7	27.0	23.5
03	24° 20.5'	083° 11.2'	SCT		10	110	9	1013.2	1	340	2	27.7	26.9	23.2
04	24° 29.0	083° 11.7	FEW		10	110	8	1013.1	1	345	1-2	27.6	26.8	22.9
05	24° 36.7	083° 12.1	FEW		10	105	6	1013.0	1	245	1-2	28.0	26.8	22.8
06	24° 44.0	083° 12.5	SCT		10	114	6	1012.8	1	VAR	1	27.9	26.7	23.2
07	24° 44.7	083° 12.7	SCT		10	130	6	1016.5	1	VAR	1	28.0	28.4	23.6
08	24° 44.7	083° 12.9	SCT		10	117	4	1015.3	1	VAR	1	28.0	28.3	23.2
09	24° 44.7	083° 13.1	FEW		10	116	4	1016.7	1	VAR	1	28.1	28.8	24.0
10	24° 44.9'	083° 13.4	CLR		10	110	5	1014.9	1	VAR	1	28.2	28.3	23.6
11	24° 45.05'	083° 13.67'	CLR		10	100	5	1014.2	<1	VAR	<1	28.3	28.4	23.5
12	24° 45.1	083° 14.2	FEW		10	122	7	1016.6	<1	145	<1	28.4	29.6	24.4
13	24° 44.9	083° 14.7	FEW		10	109	7	1016.1	<1	145	<1	28.5	29.5	24.0
14	24° 44.7'	083° 15.7'	FEW		10	110	10	1014.2	<1	145	1-2	28.5	29.6	24.1
15	24° 44.5	083° 16.3	SCT		10	102	6	1013.5	1	145	1-2	28.5	28.8	23.4
16	24° 44.2	083° 17.2	FEW		10	090	4	1014.0	1	150	1-2	28.6	29.1	23.6
17	24° 43.9	083° 18.3	FEW		10	080	6	1013.0	1	150	1	28.7	28.5	23.0
18	24° 43.6'	083° 19.3'	FEW		10	080	7	1012.2	1	150	1	28.6	28.2	23.0
19	24° 43.3'	083° 20.4	FEW		10	090	10	1012.2	1	150	1-2	28.5	28.2	23.2
20	24° 43.2'	083° 21.6'	FEW		10	085	10	1013.5	1	150	1-2	28.5	28.0	23.7
21	24° 35.2'	083° 18.2'	FEW		10	080	12	1014.2	1	150	1-2	28.4	27.5	24.5
22	24° 26.9'	083° 15.0'	FEW		10	090	18	1015.1	1	150	2	28.4	27.5	24.9
23	24° 18.7'	083° 11.8'	FEW		10	090	20	1015.2	1-2	150	2-3	28.5	27.5	25.2

## DECK LOG – WEATHER OBSERVATION SHEET

NOAA Ship OKEANOS EXPLORER (R-337)      TIME ZONE -5      DAY OF WEEK MONDAY      DATE (dd mmm yyyy) 20 MAY 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 <sup>N</sup>	LONGITUDE <sup>W</sup>				Dir. (true)	Speed (kts)			Dir. (true)	Height (ft)	SEA WATER	DRY BULB	WET BULB
00	24° 27.8'	083° 36.9'	FEW		10	090	13	1015.7	1-2	100	2	27.7	27.0	24.1
01	24° 24.3'	083° 27.4'	FEW		10	095	13	1015.4	1-2	100	2	27.8	26.9	23.8
02	24° 20.8'	083° 17.9'	FEW		10	105	10	1014.8	1	090	2	27.5	26.8	23.9
03	24° 17.2'	083° 08.2'	FEW		10	095	10	1014.7	1	090	2	27.2	26.9	23.8
04	24° 17.4'	082° 56.9'	CLR		10	110	8	1014.8	1	090	2	27.2	27.0	23.7
05	24° 18.1'	082° 45.0'	CLR		10	090	7	1015.0	1	090	2	27.4	27.0	24.0
06	24° 18.8'	082° 32.2'	SCT		10	037	6	1016.1	1	060	1-2	27.6	27.1	23.2
07	24° 21.7'	082° 18.7'	SCT		10	040	5	1017.1	1	065	1-2	27.6	27.1	23.3
08	24° 22.2'	082° 17.4'	FEW		10	050	4	1017.2	1	100	1-2	27.4	28.2	23.7
09	24° 22.4'	082° 16.1'	FEW		10	045	2.5	1017.7	1	125	1-2	27.5	28.1	23.8
10	24° 22.7'	082° 14.3'	FEW		10	045	2.5	1017.4	1	125	1-2	27.5	28.1	23.9
11	24° 21.7'	082° 17.1'	FEW		10	035	4	1016.7	1	125	1-1.5	27.8	27.6	23.6
12	24° 17.8'	082° 25.1'	FEW		10	058	8	1018.7	1	110	1-2	27.9	28.4	24.0
13	24° 12.6'	082° 35.3'	FEW		10	054	10	1017.6	1	095	1-2	28.0	28.9	24.3
14	24° 06.8'	082° 36.1'	FEW		10	070	8	1017.0	1	095	1-2	28.1	28.7	23.8
15	24° 03.7'	082° 43.1'	FEW		10	075	8	1017.7	1	090	1-2	28.2	28.8	23.9
16	24° 03.6'	082° 52.5'	FEW		10	080	8	1014.5	1	030	1-2	28.0	30.3	24.4
17	24° 03.4'	083° 00.9'	CLR		10	075	7	1013.8	1			27.9	28.8	23.9
18	24° 03.3'	083° 12.1'	FEW		10	075	9	1015.6	1	060	1-2	27.9	29.4	24.2
19	24° 01.2'	083° 21.4'	FEW		10									
20	24° 01.1'	083° 11.5'	FEW		10	050	15	1014.5	1	060	2-3	27.6	27.3	23.6
21	24° 01.3'	083° 00.4'	FEW	LTCVC	10	070	12	1015.0	1	060	2-3	27.9	27.3	23.7
22	24° 01.5'	082° 48.6'	FEW	LTCVC	10	075	12	1015.2	1	060	2-3	27.8	27.4	22.9
23	24° 02.4'	082° 37.9'	FEW		10	100	12	1016.5	1	060	2-3	27.9	27.4	22.8

Atb

### DECK LOG – WEATHER OBSERVATION SHEET

NOAA Ship OKEANOS EXPLORER (R-337)										TIME ZONE -5		DAY OF WEEK SUNDAY		DATE (dd mmm yyyy) 19 MAY 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	LONGITUDE				Dir. (true)	Speed (kts)			Dir. (true)	Height (ft)	SEA WATER	DRY BULB	WET BULB		
00	24° 23.7'	084° 00.7'	FEW		10	110	15	1014.5	1-2	060	2-3	27.2	26.7	24.0		
01	24 27.2'	084° 06.7'	FEW		10	130	17	1014.4	1-2	060	2-3	27.1	26.7	24.0		
02	24° 31.2'	084° 00.4'	FEW		10	120	16	1014.7	1-2	060	2-3	27.1	26.8	23.9		
03	24° 31.2'	083° 51.0'	FEW		10	135	12	1014.5	1-2	060	2-3	27.4	26.8	23.7		
04	24° 31.2'	083° 41.9'	FEW		10	110	12	1014.5	1-2	060	2	27.5	26.9	23.6		
05	24° 31.2'	083° 34.7'	CLR		10	115	10	1014.5	1	065	2	27.4	26.8	23.5		
06	24° 31.2'	083° 27.6'	SCT		10	123	10	1014.3	1-2	125	2	27.6	26.6	23.7		
07	24° 31.1'	083° 26.8'	FEW		10	108	9	1016.4	1-2	130	2	27.5	27.0	24.1		
08	24° 31.2'	083° 27.2'	FEW		10	109	10	1017.2	1-2	125	2	27.7	27.2	24.0		
09	24° 31.9'	083° 28.1'	FEW		10	111	11	1015.6	1-2	130	2	27.6	27.1	24.1		
10	24° 32.9'	083° 29.1'	SCT		10	105	11	1016.7	1-2	130	1-2	27.6	27.3	24.0		
11	24° 33.6'	083° 30.0'	FEW		10	105	9	1018.5	1	130	2	27.7	27.5	24.0		
12	24° 34.4'	083° 30.9'	FEW		10	102	9	1016.7	1-2	90/130	1-2	27.8	27.6	24.1		
13	24° 35.0'	083° 31.7'	FEW		10	098	6	1018.1	1-2	070	2	27.9	27.6	24.2		
14	24° 35.6'	083° 32.6'	FEW		10	092	7	1018.1	1-2	075	2	28.0	27.7	24.2		
15	24° 35.8'	083° 33.7'	FEW		10	079	9	1016.7	1-2	080	1-2	28.0	27.8	24.0		
16	24° 36.5'	083° 34.9'	FEW		10	080	11	1013.8	1-2	080	1-2	28.1	27.6	24.4		
17	24° 36.9'	083° 35.4'	CLR		10	090	10	1013.8	1-2	080	1-2	28.1	27.7	24.3		
18	27 24° 37.4'	083° 36.1'	FEW		10	100	9	1013.7	1-2	080	1-2	28.0	27.7	23.9		
19	24° 37.9'	083° 36.6'	FEW		10	070	7	1013.6	1-2	080	1-2	27.9	27.5	23.3		
20	24° 31.6'	083° 34.4'	FEW		10	075	12	1012.6 <del>1015.4</del>	1-2	100	2	27.8	27.4	23.6		
21	24° 22.2'	083° 30.4'	FEW		10	080	12	1013.2	1-2	100	2	27.9	27.3	22.3		
22	24° 22.3'	083° 32.8'	CLR		10	085	10	1013.4	1-2	100	2	27.8	27.2	23.2		
23	24° 27.1'	083° 39.0'	FEW		10	090	10	1013.6	1-2	100	2	27.8	27.0	24.1		

### DECK LOG – WEATHER OBSERVATION SHEET

NOAA Ship <i>OKEANOS EXPLORER (R-337)</i>								TIME ZONE <i>-5</i>	DAY OF WEEK <i> SATURDAY</i>	DATE (dd mmm yyyy) <i>18 MAY 2019</i>				
TIME	POSITION		SKY CON-DITION	PRESENT WEATHER	VISI-BILITY (nm)	WIND		SEA LEVEL Press. (mb)	SEA WAVE Height (ft)	SWELL WAVES		TEMPERATURE (°C)		
	LATITUDE	LONGITUDE				Dir. (true)	Speed (kts)			Dir. (true)	Height (ft)	SEA WATER	DRY BULB	WET BULB
00	24°16.8'	083°06.1'	FEW		10	090	15	1014.5	1-2	090	2-4	27.3	27.5	24.0
01	24°16.7'	082°56.2'	FEW		10	090	14	1014.5	1-2	100	2-4	27.3	27.5	24.0
02	24°16.4'	082°45.4'	FEW		10	100	14	1014.6	1-2	100	2-4	27.7	27.1	23.4
03	24°15.6'	082°34.2'	SCT		10	090	14	1014.4	1-2	100	2-4	27.9	27.2	24.0
04	24°16.3'	082°20.8'	FEW		10	085	14	1014.3	1-2	090	2-4	28.0	27.1	23.8
05	24°17.7'	082°10.8'	FEW		10	080	14	1014.3	1-2	090	2-4	27.9	27.0	23.6
06	24°18.9'	082°02.9'	SCT		10	085	11	1014.9	1-2	075	2-3	27.9	27.1	23.4
07	24°20.4'	081°53.9'	SCT		10	085	11	1016.1	1-2	075	2-3	27.9	27.3	23.6
08	24°27.0'	081°49.2'	SCT		10									
09	24°27.0'	081°49.2'	SCT		10	069	12	1016.4	1	060	1	28.9	27.9	24.1
10	24°21.7'	081°50.4'	FEW		10	055	12	1017.0	1-2	060	1-2	27.9	27.9	24.4
11	24°14.5'	081°54.6'	SCT		10	075	11	1017.5	1-2	060	2	28.0	27.9	23.8
12	24°10.9'	081°59.7'	SCT		10	088	8	1017.1	1-2	060	2	28.1	30.0	25.1
13	24°11.6'	082°07.0'	FEW		10	089	9	1016.8	1-2	050	2	28.1	30.0	24.5
14	24°12.5'	082°06.2'	SCT		10	089	9	1015.6	1-2	065	2-3	28.1	31.0	24.5
15	24°13.1'	082°22.9'	SCT		10	072	9	1014.8	1-2	070	2-3	28.0	29.9	25.1
16	24°13.9'	082°32.6'	SCT		10	085	10	1014.8	1-2	070	2-3	27.7	30.4	25.2
17	24°14.7'	082°40.7'	FEW		10	080	10	1013.7	1-2	070	2-3	27.6	29.1	24.6
18	24°15.7'	082°52.4'	SCT		10	085	12	1014.4	1-2	060	2-3	27.7	30.4	25.2
19	24°16.7'	083°03.5'	SCT		10	100	12	1013.7	1-2	060	2-3	27.8	28.4	24.5
20	24°18.0'	083°15.4'	SCT		10	090	12	1015.0	1-2	060	2-3	27.8	28.0	25.0
21	24°19.5'	083°27.0'	BKN		10	110	12	1015.0	1-2	060	2-3	27.7	27.5	26.0
22	24°20.9'	083°37.8'	SCT		10	110	12	1015.4	1-2	060	2-3	27.5	27.0	25.2
23	24°22.3'	083°49.4'	FEW		10	110	15	1115.7	1-2	060	2-3	27.5	26.5	25.0

0800 ENGAGED IN SMALL BOAT OPS

### DECK LOG – WEATHER OBSERVATION SHEET

NOAA Ship <b>OKEANOS EXPLORER (R-337)</b>				TIME ZONE <b>- 5</b>		DAY OF WEEK <b>FREDDAY</b>		DATE (dd mmm yyyy) <b>17 MAY 2019</b>						
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	25°22.2	084°15.6	FEW		10	115	14	1015.9	1	100	2-3	27.6	26.8	23.6
01	25°13.1	084°09.8	FEW		10	110	12	1015.1	1	100	2-3	26.3	26.5	23.4
02	25°05.2	084°04.7	FEW		10	115	10	1014.8	1	100	2-3	26.3	26.4	23.8
03	24°57.4	083°59.8	FEW		10	125	10	1014.8	1	100	2-3	26.2	26.6	23.7
04	24°50.2	083°55.2	FEW		10	120	11	1015.1	1	100	2-3	27.4	26.8	23.6
05	24°43.1	083°50.7	FEW		10	090	9	1015.2	1	100	2-3	27.0	26.8	23.4
06	24°36.0	083°46.2	SCT		10	082	14	1015.4	1	095	2-3	27.3	26.7	24.2
07	24°30.1	083°42.4	SCT		10	065	15	1016.2	1	095	2-3	27.3	26.7	24.1
08	24°29.4	083°40.0	SCT		10	075	16	1017.1	1-2	085	2-3	27.0	26.9	23.8
09	24°30.1	083°42.2	SCT		10	077	15	1017.6	1-2	080	2-3	27.1	27.0	23.5
10	24°27.4	083°39.4	SCT		10	075	16	1017.1	1-2	090	2-3	27.2	27.0	23.5
11	24°22.9	083°33.5	SCT		10	080	15	1017.3	2	110	3	27.4	27.2	23.5
12	24°20.1	083°29.8	SCT		10	096	13	1017.7	1	095	3	27.6	28.3	24.5
13	24°24.1	083°35.2	SCT		10	092	13	1017.0	1-2	090	2-3	27.5	29.4	24.2
14	24°28.6	083°41.0	SCT		10	086	12	1016.6	1-2	080	2-3	27.4	29.1	24.6
15	24°26.4	083°38.9	SCT		10	070	18	1016.0	1-2	080	2-3	27.4	29.2	24.4
16	24°22.9	083°33.5	FEW		10	060	16	1014.8	1-2	080	2-3	27.6	27.4	23.7
17	24°21.6	083°31.9	FEW		10	070	11	1015.1	1-2	080	2-3	27.4	27.7	23.7
18	24°24.8	083°36.0	FEW		10	080	13	1014.8	1-2	080	2-3	27.6	27.5	24.0
19	24°29.1	083°41.7	FEW		10									
20	24°26.4	083°38.1	FEW		10	075	20	1014.5	1-2	090	2-3	27.3	27.3	24.5
21	24°22.1	083°32.5	FEW		10	090	18	1015.0	1-2	100	2-3	27.3	27.5	27.0
22	24°19.5	083°25.7	FEW		10	090	18	1015.5	1-2	100	2-4	27.3	27.5	27.2
23	24°18.2	083°15.6	FEW		10	100	17	1015.7	1-2	100	2-4	27.3	27.7	27.4

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### DECK LOG - WEATHER OBSERVATION SHEET

NOAA Ship <i>OKEANOS EXPLORER (R-337)</i>										TIME ZONE <i>-5</i>	DAY OF WEEK <i>THURSDAY</i>	DATE (dd mmm yyyy) <i>16 MAY 2019</i>		
TIME	POSITION		SKY CON-DITION	PRESENT WEATHER	VISI-BILITY (nm)	WIND		SEA LEVEL Press. (mb)	SEA WAVE Height (ft)	SWELL WAVES		TEMPERATURE (°C)		
	LATITUDE <i>N</i>	LONGITUDE <i>W</i>				Dir. (true)	Speed (kts)			Dir. (true)	Height (ft)	SEA WATER	DRY BULB	WET BULB
00	26° 46.7'	085° 16.7'	SCT		10	030	11	1016.0	1	010	2-3	27.0	25.2	20.9
01	26° 39.2'	085° 10.9'	FEW		10	040	11	1015.7	1	010	2-3	26.8	25.1	20.8
02	26° 31.1'	085° 04.8'	SCT		10	050	14	1015.4	1	010	2-3	26.9	25.0	20.8
03	26° 23.0'	084° 58.7'	SCT		10	045	11	1015.4	1	010	2-3	27.0	25.1	21.2
04	26° 13.9'	084° 51.9'	FEW		10	030	10	1015.4	1	010	2	27.4	25.2	21.0
05	26° 06.4'	084° 46.2'	FEW		10	040	10	1015.7	1	010	2	27.6	25.3	21.1
06	25° 59.2'	084° 40.7'	CLR		10	030	12	1015.6	1	015	2	27.7	25.2	21.9
07	25° 58.7'	084° 40.7'	CLR		10	030	12	1016.0	1	015	2	27.7	25.3	21.7
08	25° 58.9'	084° 41.1'	CLR		10	035	13	1016.9	1	015	2	27.6	25.5	21.4
09	25° 58.9'	084° 40.6'	CLR		10	035	12	1017.7	1	025	1-2	27.6	25.7	21.1
10	25° 58.9'	084° 40.6'	CLR		10	045	12	1018.0	1	025	2	27.7	25.9	21.5
11	25° 58.7'	084° 40.5'	CLR		10	045	12	1018.6	1	025	2	27.8	25.8	21.2
12	25° 59.0'	084° 40.5'	FEW		10	050	12	1017.0	1	030	2-3	27.9	28.2	27.8
13	25° 59.0'	084° 40.4'	FEW		10	070	8	1016.8	1	030	2-3	27.9	29.5	29.2
14	25° 59.0'	084° 40.4'	FEW		10	066	5	1016.3	1	045	1-2	28.0	26.1	21.7
15														
16	25° 58.9'	084° 40.4'	FEW		10	050	4	1015.1	1	050	1-2	-	26.0	21.7
17														
18	25° 59.0'	084° 40.3'	FEW		10	040	7	1014.7	1	040	2	-	26.6	23.2
19	25° 59.0'	084° 40.4'	FEW		10	050	7	1014.8	1	050	2	-	26.6	23.7
20	25° 59.5'	084° 39.7'	FEW		10	040	8	1015.3	1	050	2	-	26.4	23.8
21	25° 50.2'	084° 33.5'	FEW		10	100	10	1015.5	1	080	2	-	26.2	23.9
22	25° 41.3'	084° 27.9'	FEW		10	080	12	1015.7	1	100	2-3	27.8	28.5	24.0
23	25° 31.7'	084° 21.7'	FEW		10	075	15	1016.0	1	100	2-3	27.8	26.9	24.5

0700 ENGAGED IN OPERATIONS, VALUES INTERPOLATED.  
1500-1700 RAW OBS

### DECK LOG – WEATHER OBSERVATION SHEET

NOAA Ship <i>OKEANOS EXPLORER (R-337)</i>				TIME ZONE - 5	DAY OF WEEK WEDNESDAY	DATE (dd mmm yyyy) 15 MAY 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° 08.4'	086° 33.3'	OVC		10	010	12	1016.5	1	060	2-3	26.1	24.3	17.8
01	28° 01.6'	086° 25.0	OVC		10	340	10	1016.4	1	060	2-3	25.7	24.3	17.7
02	27° 55.2'	086° 17.4	OVC		10	355	11	1016.2	1	060	2-3	26.2	24.4	18.6
03	27° 49.7'	086° 10.7'	OVC		10	000	12	1015.9	1	060	2-3	26.6	24.5	18.0
04	27° 44.4	086° 04.3	OVC		10	020	10	1015.7	<1	060	1-3	26.6	24.7	18.5
05	27° 39.9	085° 58.9	OVC		10	020	14	1016.1	<1		1-2	26.3	24.7	17.2
06	27° 35.8	085° 54.0	OVC		10	025	14	1015.7	1	010	1-2	26.3	24.5	18.6
07	27° 35.7	085° 54.0	OVC		10	050	14	1016.5	1	035	1-2	26.3	24.7	19.4
08	27° 35.7	085° 54.0	BKN		10	015 <sup>069</sup>	11	1017.6	1	020	1-2	26.3	24.7	19.5
09	27° 35.8	085° 54.0	BKN		10	062	10	1018.1	1	020	1-2	26.4	24.9	19.3
10	27° 35.9	085° 54.0	FEW		10	025	9	1018.2	1	020	1-2	26.4	25.2	18.9
11	27° 35.9'	085° 53.9'	FEW		10	025	9	1017.9	1	020	1-2	26.5	25.2	19.6
12	27° 35.9	085° 53.9'	FEW		10	025	7	1018.2	1	020	1-2	26.6	25.3	19.6
13	27° 35.9	085° 53.9'	FEW		10	023	6	1017.5	1	020	1-2	26.7	25.6	20.4
14	27° 35.9	085° 54.0	FEW		10	040	8	1017.2	1	015	1-2	26.8	25.3	19.6
15	27° 35.9	085° 54.0	FEW		10	084	7	1017.4	1	010	1-2	26.9	25.5	19.9
16	27° 35.8	085° 53.4	FEW		10	050	6	1016.4	1	020	1-2	27.1	25.3	19.9
17	27° 36.6	085° 53.6	FEW		10	075	4	1015.8	1	020	1-2	27.0	25.5	20.1
18	27° 31.6'	085° 50.8	FEW		10	060	6	1015.4	1	020	1-2	26.6	25.2	19.9
19	27° 23.9'	085° 45.0	FEW		10	050	6	1015.9	<1	020	2	27.1	25.2	20.0
20	27° 17.2'	085° 39.8'	FEW		10	040	4	1015.9	<1	020	1-2	26.4	25.6	21.5
21	27° 09.1'	085° 33.6'	FEW		10	040	5	1016.0	<1	010	2	26.9	25.2	21.5
22	27° 01.7'	085° 28.0'	FEW		10	030	8	1016.1	<1	010	2	26.4	24.8	22.0
23	26° 54.4'	085° 22.5'	FEW		10	040	10	1016.2	<1	010	2	26.5	24.9	21.8

### DECK LOG – WEATHER OBSERVATION SHEET

NOAA Ship <i>OKEANOS EXPLORER (R-337)</i>								TIME ZONE <i>-5</i>	DAY OF WEEK <i>TUESDAY</i>	DATE (dd mmm yyyy) <i>14 MAY 2019</i>				
TIME	POSITION		SKY CON-DITION	PRESENT WEATHER	VISI-BILITY (nm)	WIND		SEA LEVEL Press. (mb)	SEA WAVE Height (ft)	SWELL WAVES		TEMPERATURE (°C)		
	LATITUDE N	LONGITUDE W				Dir. (true)	Speed (kts)			Dir. (true)	Height (ft)	SEA WATER	DRY BULB	WET BULB
00	<i>28° 40.8'</i>	<i>087° 28.1'</i>	<i>FEW</i>		<i>10</i>	<i>000</i>	<i>8</i>	<i>1014.2</i>	<i>&lt;1</i>	<i>010</i>	<i>3-4</i>	<i>24.4</i>	<i>24.1</i>	<i>21.2</i>
01	<i>28° 34.9'</i>	<i>087° 23.3'</i>	<i>FEW</i>		<i>10</i>	<i>020</i>	<i>8</i>	<i>1014.0</i>	<i>&lt;1</i>	<i>010</i>	<i>4</i>	<i>25.4</i>	<i>24.1</i>	<i>20.7</i>
02	<i>28° 29.0'</i>	<i>087° 18.6'</i>	<i>FEW</i>		<i>10</i>	<i>010</i>	<i>11</i>	<i>1013.9</i>	<i>&lt;1</i>	<i>010</i>	<i>4</i>	<i>25.4</i>	<i>24.2</i>	<i>20.5</i>
03	<i>28° 26.1'</i>	<i>087° 16.3'</i>	<i>FEW</i>		<i>10</i>	<i>040</i>	<i>14</i>	<i>1014.0</i>	<i>&lt;1</i>	<i>010</i>	<i>4</i>	<i>25.6</i>	<i>24.4</i>	<i>20.5</i>
04	<i>28° 21.4</i>	<i>087° 20.5</i>	<i>CLR</i>		<i>10</i>	<i>020</i>	<i>14</i>	<i>1014.1</i>	<i>&lt;1</i>	<i>020</i>	<i>2-3</i>	<i>25.3</i>	<i>24.4</i>	<i>20.2</i>
05	<i>28° 38.6</i>	<i>087° 26.3</i>	<i>CLR</i>		<i>10</i>	<i>045</i>	<i>17</i>	<i>1013.7</i>	<i>1-2</i>	<i>030</i>	<i>3</i>	<i>25.2</i>	<i>24.2</i>	<i>20.0</i>
06	<i>28° 41.6</i>	<i>087° 25.3</i>	<i>FEW</i>		<i>10</i>	<i>022</i>	<i>21</i>	<i>1013.7</i>	<i>1-2</i>	<i>040</i>	<i>2-3</i>	<i>24.9</i>	<i>23.9</i>	<i>19.4</i>
07	<i>28° 40.6</i>	<i>087° 15.5</i>	<i>FEW</i>		<i>10</i>	<i>035</i>	<i>19</i>	<i>1015.1</i>	<i>1-2</i>	<i>040</i>	<i>2-3</i>	<i>24.8</i>	<i>24.0</i>	<i>19.0</i>
08	<i>28° 40.1</i>	<i>087° 12.6</i>	<i>SCT</i>		<i>10</i>	<i>046</i>	<i>18</i>	<i>1016.5</i>	<i>2</i>	<i>040</i>	<i>3</i>	<i>25.1</i>	<i>24.0</i>	<i>18.5</i>
09	<i>28° 39.9</i>	<i>087° 12.7</i>	<i>SCT</i>		<i>10</i>	<i>047</i>	<i>20</i>	<i>1017.0</i>	<i>1-2</i>	<i>040</i>	<i>3</i>	<i>25.1</i>	<i>24.0</i>	<i>19.1</i>
10	<i>28° 40.3</i>	<i>087° 12.7</i>	<i>SCT</i>		<i>10</i>	<i>025</i>	<i>21</i>	<i>1017.0</i>	<i>1-2</i>	<i>050</i>	<i>3</i>	<i>25.1</i>	<i>23.9</i>	<i>18.5</i>
11	<del><i>28° 39.8</i></del>	<del><i>087° 13.4</i></del>												
12	<i>28° 39.8</i>	<i>087° 13.4</i>	<i>BKN</i>		<i>10</i>	<i>031</i>	<i>17</i>	<i>1016.6</i>	<i>1-2</i>	<i>035</i>	<i>3</i>	<i>25.2</i>	<i>23.7</i>	<i>18.0</i>
13	<i>28° 39.9</i>	<i>087° 13.4</i>	<i>ovc</i>		<i>10</i>	<i>025</i>	<i>15</i>	<i>1017.7</i>	<i>1-2</i>	<i>035</i>	<i>3</i>	<i>25.3</i>	<i>23.6</i>	<i>17.1</i>
14	<i>28° 40.1</i>	<i>087° 13.4</i>	<i>BKN</i>		<i>10</i>	<i>050</i>	<i>12</i>	<i>1017.0</i>	<i>1-2</i>	<i>035</i>	<i>3-4</i>	<i>25.3</i>	<i>24.5</i>	<i>18.9</i>
15	<i>28° 40.1</i>	<i>087° 13.4</i>	<i>BKN</i>		<i>10</i>	<i>050</i>	<i>10</i>	<i>1016.8</i>	<i>&lt;1</i>	<i>035</i>	<i>3-4</i>	<i>25.2</i>	<i>24.2</i>	<i>17.2</i>
16	<i>28° 40.1</i>	<i>087° 13.4</i>	<i>BKN</i>		<i>10</i>	<i>030</i>	<i>10</i>	<i>1015.9</i>	<i>1</i>	<i>035</i>	<i>3</i>	<i>25.2</i>	<i>23.4</i>	<i>16.7</i>
17	<i>28° 40.1</i>	<i>087° 13.4</i>	<i>BKN</i>		<i>10</i>	<i>060</i>	<i>8</i>	<i>1015.5</i>	<i>1</i>	<i>035</i>	<i>3</i>	<i>25.2</i>	<i>23.5</i>	<i>16.2</i>
18	<i>28° 40.1</i>	<i>087° 13.3</i>	<i>BKN</i>		<i>10</i>	<i>045</i>	<i>5</i>	<i>1015.4</i>	<i>1</i>	<i>045</i>	<i>2-3</i>	<i>25.2</i>	<i>23.4</i>	<del><i>25.6</i></del> <i>16.6</i>
19	<i>28° 40.6</i>	<i>087° 12.8</i>	<i>BKN</i>		<i>10</i>	<i>036</i>	<i>6</i>	<i>1015.1</i>	<i>1</i>	<i>040</i>	<i>2-3</i>	<i>25.2</i>	<i>23.4</i>	<i>16.5</i>
20	<i>28° 35.9</i>	<i>087° 06.6</i>	<i>BKN</i>		<i>10</i>	<i>045</i>	<i>5</i>	<i>1015.0</i>	<i>1</i>	<i>040</i>	<i>2-3</i>	<i>25.2</i>	<i>23.2</i>	<i>17.2</i>
21	<i>28° 29.1</i>	<i>087° 01.0</i>	<i>BKN</i>		<i>10</i>	<i>360</i>	<i>10</i>	<i>1016.2</i>	<i>1</i>	<i>060</i>	<i>2-3</i>	<i>25.3</i>	<i>23.0</i>	<i>17.0</i>
22	<i>28° 22.4</i>	<i>086° 50.2</i>	<i>BKN</i>		<i>10</i>	<i>015</i>	<i>10</i>	<i>1016.3</i>	<i>1</i>	<i>060</i>	<i>2-3</i>	<i>25.3</i>	<i>23.5</i>	<i>18.5</i>
23	<i>28° 15.9</i>	<i>086° 42.3</i>	<i>BKN</i>		<i>10</i>	<i>350</i>	<i>10</i>	<i>1016.2</i>	<i>1</i>	<i>060</i>	<i>2-3</i>	<i>25.6</i>	<i>23.3</i>	<i>19.5</i>

### DECK LOG - WEATHER OBSERVATION SHEET

NOAA Ship		OKEANOS EXPLORER (R-337)		TIME ZONE	-5		DAY OF WEEK	MONDAY		DATE (dd mmm yyyy)	13 MAY 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°58.6'	088°01.7'	BKN	LTG	10	200	16	1011.5	1-2	210	3-4	24.7	24.3	22.4
01	29°02.4'	087°57.4'	OVC	LTG	10	210	14	1011.0	1-2	210	3-4	24.7	23.9	22.1
02	28°58.4'	087°56.5'	OVC	LTG, RA	8	175	12	1011.0	2	220	4	24.8	23.4	21.0
03	29°02.2'	088°02.0'	OVC	LTG, RA	8-10	245	14	1010.6	2	220	4	24.7	22.1	21.8
04	28°58.4'	088°02.4'	OVC	LTG, VC	8	205	6	1011.6	1-2	270	3-4	24.7	24.0	21.8
05	28°57.9'	088°01.0'	OVC	LTG, VC	8	090	6	1011.0	1-2	270	3-4	24.7	24.0	22.1
06	28°55.9'	087°56.4'	OVC	TR, LTG	3	017	25	<del>1008.0</del>	1-2	155	2-3	24.6	20.2	20.0
07	28°50.1'	087°48.1'	OVC	LTG, RA	1-2	312	12	1012.1	2	<del>170</del> 245	3-4	24.9	21.4	21.2
08	28°45.6'	087°40.1'	BKN	LTG, VC	10	321	14	1012.6	2	180	3-4	25.2	22.4	21.4
09	28°45.6'	087°39.8'	OVC		10	351	8	1014.1	1-2	180	3-4	25.2	23.8	22.0
10	28°45.7'	087°39.7'	OVC		10	016	12	1012.9	2	180	3-4	25.5	24.0	22.3
11	28°45.7'	087°39.6'	OVC		10	005	15	1012.8	2-3	180	3-4	25.5	24.1	22.3
12	28°45.5'	087°37.9'	BKN		10	035	2	1012.8	1-2	170	3-4	25.4	25.1	22.5
13														
14														
15	28°42.9'	087°30.2'	BKN		10	040	10	1012.3	1-2	340	3-4	25.0	20.8	24.0
16	28°43.2'	087°30.2'	FEW		10	005	10	1012.2	1-2	350	3-4	25.2	24.3	22.2
17	28°44.1'	087°30.2'	FEW		10	005	9	1013.3	1-2	350	3-4	25.4	25.1	22.4
18	28°37.9'	087°25.7'	FEW		10	000	8	1013.8	1	000	3-4	25.7	25.3	22.6
19	28°33.1'	087°21.8'	FEW		10	350	9	1012.9	1	000	3-4	25.7	24.6	22.6
20	28°28.1'	087°18.9'	FEW		10	030	10	1013.1	<1	020	3-4	25.4	27.0	24.5
21	28°26.0'	087°16.2'	FEW		10	015	10	1013.5	<1	010	3-4	25.7	24.5	23.2
22	28°31.8'	087°20.9'	FEW		10	020	12	1014.0	<1	010	3-4	25.6	24.3	22.5
23	28°37.9'	087°25.8'	FEW		10	020	12	1014.1	<1	010	3-4	25.6	24.3	21.7

1300 DRILLS  
1400 DRILLS

### DECK LOG – WEATHER OBSERVATION SHEET

NOAA Ship OKEANOS EXPLORER (R-337) TIME ZONE -5 DAY OF WEEK SUNDAY DATE (dd mmm yyyy) 12 MAY 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 <u>N</u>	LONGITUDE <u>W</u>				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	30°18.8	088°32.4	OVC		10	256	8	1010	—	—	—		25	24
14														
15	30°03.1	088°27.1	BKN		10	250	22	1009.8	1-2	190	3-4		24	22
16	29°54.0	088°17.0	FEW		10	230	16	1009.0	2	220	3-4	25.6	24.4	21.6
17	29°49.2	088°12.1	FEW		10	230	17	1007.0	2	222	3-4	25.4	24.1	22.1
18	29°40.9'	088°03.2'	SCT		10	250	13	1009.0	2	195	3-4	25.1	24.4	22.0
19	29°33.2'	087°55.1'	BKN		10	190	12	1009.5	2	190	3-4	25.5	24.1	21.5
20	29°24.7'	087°50.3'	BKN		10	210	10	1010.0	1-2	200	3-4	24.9	24.5	21.5
21	29°14.6'	087°51.5'	BKN		10	210	10	1011.0	1-2	210	3-4	24.9	25.0	22.3
22	29°04.1'	087°57.7'	BKN	LTC	10	160	8	1011.5	1-2	210	3-4	24.8	25.1	23.9
23	29°01.1'	088°01.7'	BKN	LTC	10	180	8	1011.0	1-2	210	3-4	24.7	25.2	23.2

0000-1418 SHIP IN PORT