

17CB-1A

VESSEL		CRUISE ID		PROJECT & LEG		STATION NO.											
Oscar Dyson	DY1704	Eco-FOCI Spring Mooring Cruise		CTD File Name:		Chumash Moor											
CONSC CAST #		LATITUDE		LONGITUDE		TIME (GMT)	DRY BULB	RH	Pressure	WIND DIRN.	WIND SPD.	BOTTOM DEPTH	STA. NAME/ID				
OO /		DEG	MIN	DEG	MIN	DAY	MO	HR	MIN	(°C)	(mb)	(deg)	CTD001				
57	43.50	N	152.17	.00	W	23	APR	17	16	035.5	S. 1	99	04	78	16	158	MAX DEPTH = 150 m
SBE 9+	0722			FLUOR SIN	FLNUUS-2057	WEATHER OBS:	Med. Swell, overcast										
PRESS SN	2376			SBE43-Oxy (prime)	1961												
PRI TEMP SN	2985			SBE43-Oxy (sec)	0904												
SEC TEMP SN	4379			Transmissometer	2057												
PRI COND SN	3127			PAR SIN	70297												
SEC COND SN				O2 Trsp Sensor No.													
Instrument Notes:																	
Recorder Initials:																	
NIS	DEPTH	Rosette Notes		Hydro Team-PWEL		Chloro		POC		Comments				No			
NO	DESIRED	SALT	Null/Bil	O2-Bil/No	Di/CalK	GFF Vol											
1	But	651		263				500 ml						1			
2														2			
3														3			
4														4			
5														5			
6														6			
7														7			
8														8			
9														9			
10														10			
11														11			
12														12			
1														-			
In-line																	

VESSEL Oscar Dyson		CRUISE ID DY1704		PROJECT & LEG Eco-FOCI Spring Mooring Cruise				CTD File Name: 16BS-26	
CONSC CAST #		LATITUDE	LONGITUDE	DAY	MO	YR	TIME (GMT)	DRY BULB	RH
DEG	MIN	DEG	MIN	HR	MIN	(°C)	(%)	Pressure (mb)	WIND DIRN. (deg)
03	57 00 . 04 N	164 05 . 06 W	27 A P R 17	01	28	3 . 3	94	1000	WIND SPD. (kts)
SBE 9+	0772	FLUOR	FLNTUS-2057						BOTTOM DEPTH (m)
PRESS SN	0772	SBE43-Oxy (prime)	1961						MAX. DEPTH = 60 m
PRI TEMP SN	2376	SBE43-Oxy (sec)	0904						
SEC TEMP SN	2985	Turbidity	2057						
PRI COND SN	4379	PAR SN	70297						
SEC COND SN	3127								
WEATHER OBS:									
REMARKS: Recovery of dragged mooring 16BS-26 Second cast & fish samples									
I forgot to push the event button so time is off the first bottle trip. Location is from previous cast, should not have moved much Recorder Initials Peter									
Instrument Notes:									
NIS	DEPTH	Rosette Notes	Hydro Team-PMEI			Chlro	GFF Vol	POC	Comments
No	DESIRED		SALT	Nut.Btl	O2-Btl/No	DIC/alk		500 ml	No
1	23			7			288		1
2	23						285		2
3	23						283		3
4	11						283		4
5	11			8			289		5
6	11						277		6
7	10						283		7
8									8
9									9
10									10
11									11
12									12
									1
								Inline	

VESSEL:		CRUISE ID		PROJECT & LEG				CTD File Name:							
Oscar Dyson		DY1704		Eco-FOCI Spring Mooring Cruise				CTD005/N12E							
CONSC CAST #		LATITUDE		LONGITUDE											
DEG	MIN	DEG	MIN	DAY	MO	YR	TIME (GMT)	DRY BULB	RH	Pressure	WIND DIRN.	WIND SPD.	BOTTOM DEPTH	STA. NAME/ID	
05	56	56	54	N	163	49.70	W	05/12	2.7	991001	128	7	71	M2E	
SBE 9+		0772		FLUOR			FLINTUS-2057							MAX. DEPTH = 65 m	
PRESS SN		0772		SBE43-Oxy (prime)			1961								
PRI TEMP SN		2376		SBE43-Oxy (set)			0904								
SEC TEMP SN		2985		Tutidly			2057								
PRI COND SN		4379		PAT S/N			70297								
SEC COND SN		3127													
WEATHER OBS:															
Seas calm, partly sunny, birds															
REMARKS:															
Instrument Notes:															
Recorder Initials:															
No	DEPTH	Rosette Notes		Hydro Team-PMEI			Chloro			POC			Comments		No
No	DESIRED	SALT	NU-BII	O2-BII	No	DIC/ALK	GFF Vol					500 ml			
1	Bat		17	285										1	
2	50		18				285							2	
3	40		19				283							3	
4	30		20				283							4	
5	20		21				289							5	
6	10		22				279							6	
7	0		23				283							7	
8														8	
9														9	
10														10	
11														11	
12														12	
-	Irline	653	4/27/2012	-	05:04									-	
<i>T = 1.7908</i>															

VESSEL CAST #	CRUISE ID	PROJECT & LEG		Eco-FOCI Spring Mooring Cruise		CTD File Name:		STATION NO.													
								LATITUDE		LONGITUDE		TIME (GMT)		DRY BULB		RH		PRESSURE		WIND DIRECTION	
DEG	MIN	DEG	MIN	DAY	MO	YR	HR	MIN	(°C)	(%)	(mb)	(deg)	(km)	(m)	(m)	(m)	(m)	(m)	(m)		
Oscar Dyson	DY1704	0656 40 . 03 N		163 52 . 26 W		27	A	P	R	17	10 46	3 . 0	98	/ 003	21 8	4	76				
SBE 9+		0772		FLUOR		FLNTUS-2057		WEATHER OBS:													
PRESS SN		0772		SBE43-Oxy (prime)		1961		Effing Cold! Rain, dark													
PRI TEMP SN		2376		SBE43-Oxy (sec)		0904															
SEC TEMP SN		2985		Turbidity		2057		REMARKS:		Deck unit alarmed @ 1/2 meters, had to											
PRI COND SN		4379		PAR S/N		70297		Abort Cast		No Surface or 10 meter bottle											
SEC COND SN		3127						accidentally triggered @ 13.8, Sample at 10 m													

VESSEL	CRUISE ID	PROJECT & LEG			CTD File Name:			STATION NO.							
Oscar Dyson	DY1704	Eco-FOCI Spring Mooring Cruise			CTD0008			M2							
CONSC CAST #	LATITUDE		LONGITUDE		TIME (GMT)		WIND DIRN.	WIND SPD.	BOTTOM DEPTH	STA. NAME/ID					
	DEG	MIN	DEG	MIN	DAY	MO	HR	MIN	(°C)	(%)	(mb)	(kts)	(deg)	(m)	
008 56 31	86	N	164 03	91	W	28	A P R	17	01 56	4	92	1009	15	4	72
SBE 9*	0772		FLUOR												MAX. DEPTH = 55 m
PRESS SN	0772		SBE43-Oxy (prime)												
FRI TEMP SN	2376		SBE43-Oxy (sec)												
SEC TEMP SN	2985		Turbidity												
FRI COND SN	4379		PAR SN												
SEC COND SN	3127														
WEATHER OBS:													Recorder Initials:		
													Nis		
No	DEPTH	Rosette Notes	Hydro Team-PMEL			Chloro			Comments		No				
No	DESIRED		SALT	Nut.Btl	O2-Btl No	DIC/AIR	GFF Vol	Phyto Pro jmetc	POC	500 ml	No				
1	55		41				283	556			1				
2	55						288	55B			2				
3	55						281	55A			3				
4	24						283	24C			4				
5	24		42				283	21B			5				
6	24						235	X	249		6				
7	11						289	11C			7				
8	11						283	11B			8				
9	11						279	11A			9				
10	X (at 1.4 m)		411 288 UAP	283			X	10-			10				
11	0		44 286 UAF								11				
12											12				
											1				

Instrument Notes:

REMARKS:
 Second CTD @ Center for Calibration Samples
 Good Cast to calculate O₂ lags

VESSEL	CRUISE ID	PROJECT & LEG	CTD File Name:										STATION NO.						
			CONSC CAST #			LATITUDE			LONGITUDE			TIME (GMT)		DRY BULB	RH	Pressure	WIND DIRN.	WIND SPD.	BOTTOM DEPTH
	Deg	Min	Deg	Min	Sec	Day	Mo	YR	HR	Min	(°C)	(%)	(mb)	(deg)	(Kts)	(m)			
Oscar Dyson	DY1704	Eco-FOCI Spring Mooring Cruise	09	56	46.11	N	164	19.77	w	28	A P R 17	442	3.2	95	1010	1015	741	MAX. DEPTH = 70 m	
SBE 9+	0772	FLUOR	WEATHER OBS: Calm seas, light wind, partial overcast; good vis.										FLINTUS-2057						
IMPRESS SN	0772	SBE43-Oxy (prime)											1961						
IPRI TEMP SN	2376	SBE43-Oxy (sec)											0904						
SEC TEMP SN	2985	Turbidity											2057						
IPRI COND SN	4379	PAR S/N											70297						
SEC COND SN	3127																		
Instrument Notes:																			

VESSEL Oscar Dyson		CRUISE ID DY1704		PROJECT & LEG Eco-FOCI Spring Mooring Cruise				CTD File Name: 70M5						
CONSC CAST #		LATITUDE		LONGITUDE		TIME (GMT)		DRY BULB	RH	WIND DIRN.	WIND SPD.	BOTTOM DEPTH	STA. NAME/ID	
DEG	MIN	DEG	MIN	DAY	MO	YR	HR	(°C)	(%)	(deg)	(kts)	(m)		
11	5651	48	N	165	06	.94	W	28	A P R 1 7	10 31	2.	981012	965	74
SBE 9+	0772	FLUOR		FLNTUS-2057		WEATHER OBS:		MAX. DEPTH = 70 m						
PRESS SN	0772	SBE43-Oxy (prime)		1961		Calm, dark								
PRI TEMP SN	2376	SBE43-Oxy (sec)		0904										
SEC TEMP SN	2985													
PRI COND SN	4379	Turbidity		2057		REMARKS: Jelly fish - Too much joviability in the survey								
SEC COND SN	3127	PAR S/N		70297		Lab								
Instrument Notes:													Recorder Initials:	
No	DEPTH	Rosette Notes		Hydro Team-PMEI		Chloro		POC		Comments			No	
No	DESIRED	SALT		NUTRI		O2-BN No	DIC/ALK	GFF Vol					No	
1	<u>Bot</u>	<u>59</u>		<u>346</u>				<u>063</u>					1	
2	<u>50</u>	<u>60</u>						<u>285</u>					2	
3	<u>40</u>	<u>61</u>						<u>289</u>					3	
4	<u>30</u>	<u>62</u>						<u>283</u>					4	
5	<u>20</u>	<u>63</u>						<u>279</u>					5	
6	<u>10</u>	<u>64</u>						<u>283</u>					6	
7	<u>0</u>	<u>65</u>											7	
8													8	
9													9	
10													10	
11													11	
12													12	
1													-	

VESSEL		CRUISE ID		PROJECT & LEG				CTD File Name:								
Oscar Dyson		DY1704		Eco-FOCI Spring Mooring Cruise												
CONSC CAST #	LATITUDE	LONGITUDE				TIME (GMT)				DRY BULB	RH	Pressure	WIND DIRN.	WIND SPD.	BOTTOM DEPTH	STA. NAME/ID
DEG	MIN	DEG	MIN	DAY	MO	YR	HR	MIN	(°C)	(%)	(mb)	(deg)	(Kts)	(m)		
12	56 59 .61 N	165 22 .32 W	08 A P R 17	1202	2.2	99	1012	155	72							
SBE 9+		FLUOR SN	FUNTUS-2057												MAX. DEPTH = 67 m	
PRESS SN		SBE43-Oxy (prime)														
PRI TEMP SN		SBE43-Oxy (sec)														
SEC TEMP SN		Transmissometer														
PRI COND SN		PAR SN														
SEC COND SN		O2 Temp Sensor No.														
Instrument Notes:															Recorder Initials:	
NIS	DEPTH	Rosette Notes	Hydro Team-PMEL			<u>CO₂</u>	Chloro	Gann	Comments	NIS						
NO	DESIRED		SALT	Nut.Btl	O2-Btl No	DIC/AIk	GFF Vol	Phyto		NO						
1	60	656	66						500 ml	NO						
2	60	67	351	X						1						
3	50	68								2						
4	40	69	352	X						3						
5	30	70								4						
6	20	71								5						
7	10	72								6						
8	0	73								7						
9										8						
10										9						
11										10						
12										11						
										12						
										-						

Infile

REMARKS: Caging Sampling Jeanette's Samples
pycnocline at 35m.

VESSEL		CRUISE ID		PROJECT & LEG		Eco-FOCI Spring Mooring Cruise		CTD File Name:		STATION NO.	
Oscar Dyson		DY1704						Ctd014.hck		70M8	
CONSC CAST #		LATITUDE		LONGITUDE							
DEG	MIN	DEG	MIN	DAY	MO	YR	HR	MIN	'C)	(%)	(mb)
14	57 15	5 . 72 N	16 54 4 . 65 W	28	A P R	17	17	45	01 . 70 99	10 12	13 7 4
SBE 8+		FLUOR SIN		FLNTUS-2057							
PRESS SN		SBE43-Oxy (prime)									
PRI TEMP SN		SBE43-Oxy (sec)									
SEC TEMP SN		Transmissometer									
PRI COND SN		iPAR SIN									
SEC COND SN		O2 Temp Sensor No.									
REMARKS:											
WEATHER OBS: Calm											
Recorder Initials:											
Nis No	DEPTH Desired	Rosette Notes	SALT	O2-BII No	DIC/ALK	GFF Vol	Chloro		POC		Comments
1	BOT		81	355			287			500 ml	No
2	50		82				385				1
3	40		83				289				2
4	30		84				283				3
5	20		85				279				4
6	10		86				283				5
7	0		87								6
8											7
9											8
10											9
11											10
12											11
											12
											1
											1

Instrument Notes:

VESSEL Oscar Dyson	CRUISE ID DY1704	PROJECT & LEG Eco-FOCI Spring Mooring Cruise		CTD File Name: Ctd015.Wex		STATION NO. 70M9								
CONSC CAST #	LATITUDE		LONGITUDE		TIME (GMT)		DRY BULB	RH	Pressure	WIND DIRN.	WIND SPD.	BOTTOM DEPTH	STA. NAME/ID	
	DEG	MIN	DEG	MIN	DAY	MO	HR	MIN	(°C)	(%)	(mb)	(deg)	(kts)	(m)
015 57 19.27 N	166 00.77 W				19	25	01	40	0991	0121	23	6	70	MAX. DEPTH = 65 m
SBE 3+									WEATHER OBS:					
PRESS SN	<input type="checkbox"/> FLUOR SN		<input type="checkbox"/> SBE43-Oxy (prime)		<input type="checkbox"/> SBE43-Oxy (sec)		<input type="checkbox"/> Transmissionometer		<input type="checkbox"/> PAR SN					
PRI TEMP SN	<input type="checkbox"/>		<input type="checkbox"/>		<input type="checkbox"/>		<input type="checkbox"/>		<input type="checkbox"/>					
SEC TEMP SN	<input type="checkbox"/>		<input type="checkbox"/>		<input type="checkbox"/>		<input type="checkbox"/>		<input type="checkbox"/>					
PRI COND SN	<input type="checkbox"/>		<input type="checkbox"/>		<input type="checkbox"/>		<input type="checkbox"/>		<input type="checkbox"/>					
SEC COND SN	<input type="checkbox"/>		<input type="checkbox"/>		<input type="checkbox"/>		<input type="checkbox"/>		<input type="checkbox"/>					
REMARKS:														
Recorder Initials:														
Instrument Notes:														
No	DEPTH	Rosette Notes		Hydro Team-PMEI		Chloro		POC		Comments				
No	DESIRED			SALT	Nut/Bi	O2-Bi/No	DIC/Alk	GFF Vol		500 ml				
1	BOT			88				283						
2	50			89				285						
3	40			90				289						
4	30			91				283						
5	20			92				279						
6	10			93				283						
7	0			94	356									
8														
9														
10														
11														
12														
13														
14														

VESSEL	CONSC CAST #	CRUISE ID		PROJECT & LEG						CTD File Name:		STATION NO.							
		DY1704		Eco-FOCI Spring Mooring Cruise						Ctd016_hex									
LATITUDE		LONGITUDE		TIME (GMT)		DRY BULB		RH		PRESSURE		WIND DIRN.		WIND SPD.		BOTTOM DEPTH		STA. NAME/ID	
DEG	MIN	DEG	MIN	DAY	MO	YR	HR	MIN	(°C)	(%)	(mb)	(deg)	(deg)	(kts)	(m)	(m)	(m)		
Oscar Dyson		16 57 19 . 36 N	166 19 . 26 W	28	APR	17	2045	01 . 6098	1012	143	8					70			
SBE 9+		FLUOR SIN		WEATHER OBS:						WEATHER OBS:						MAX. DEPTH = 65 m			
PRESS SN	<input type="checkbox"/>	SBE43-Oxy (prime)		FLINTUS-2057						FLINTUS-2057									
PRI TEMP SN	<input type="checkbox"/>	SBE43-Oxy (sec)																	
SEC TEMP SN	<input type="checkbox"/>	Transmissometer																	
PRI COND SN	<input type="checkbox"/>	PAR SIN																	
SEC COND SN	<input type="checkbox"/>	O2 Tmp Sensor No.																	
Instrument Notes:																			
Recorder Initials:																			
Ns	DEPTH	Rosette Notes		Hydro Team-PMEL			Chloro		POC		Comments		Ns						
No	DESIRED	SALT		O2-Btl No	DIC/ALK	GFF Vol	PML		500 ml				No						
1	80			95		Phyto							1						
2	60			96	24	PMEL							2						
3	50			97		263							3						
4	40			98		285							4						
5	30			99	220	PMEL	289	X					5						
6	20			100		283							6						
7	10	leaked		101		279							7						
8	0			102		283	X						8						
9													9						
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VESSEL		CRUISE ID		PROJECT & LEG				CTD File Name:								
Oscar Dyson	DY1704	Eco-FOCI Spring Mooring Cruise														
CONSC CAST #		LATITUDE		LONGITUDE		TIME (GMT)				DRY BULB	RH	Pressure	WIND DIRN.	WIND SPD.	BOTTOM DEPTH	STA. NAME/ID
DEG	MIN	DEG	MIN	DAY	MO	YR	HR	MIN	(°C)	(%)	(mb)	(Kts)	(m)			
19	57	30	.20	N	67	20	48	w	29	A P R 1 7	04 17	2.0	95 10 08	117 12	72	
SBE 9*		0772		FLUOR											MAX. DEPTH = 67 m	
PRESS SN		0772		SBE43-Oxy (prime)												
PRI TEMP SN		2376		SBE43-Oxy (sec)												
SEC TEMP SN		2985		Turbidity												
PRI COND SN		4379		PAR SN												
SEC COND SN		3127														
REMARKS: CO ₂ Samples T-Gam Phyto max																
WEATHER OBS: Nice & Sunny																
Instrument Notes:																
Recorder Initials:																

No	DEPTH	Rosette Notes	Hydro Team-PMEI			Chloro			Comments		
No	DESIRED		SALT	O2-Btl#	O2-Btl#No	CO2	GFF Vol	Gamm-Phyto			No
1	<u>Bat</u>		117								1
2	<u>50</u>		118	209	X						2
3	<u>46</u>		119								3
4	<u>36</u>		120					X Pyro			4
5	<u>26</u>										5
6	<u>20</u>		121	215	X						6
7	<u>10</u>		122				X O				7
8	<u>0</u>		123								8
9											9
10											10
11											11
12											12
13											13
14											14
15											15
16											16
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VESSEL	CRUISE ID		PROJECT & LEG		CTD File Name:	
Oscar Dyson	DY1704		Eco-FOCI Spring Mooring Cruise			
CONSC CAST #	LATITUDE		LONGITUDE			
	DEG	MIN	DEG	MIN	DAY	MO
20 57 30 . 26 N	167 39 . 57 W	29 A P R 17	06 21	1 . 6	96	1007
SBE 9+	0772	FLUOR	FLINTUS-2057	TIME (GMT)	DRY BULB	RH
PRESS SN	0772	SBE43-Oxy (prime)	1961	HR	MIN	(%)
PRI TEMP SN	2376	SBE43-Oxy (sec)	0904			(mb)
SEC TEMP SN	2985	Turbidity	2057			
PRI COND SN	4379	PAR SN	70297			
SEC COND SN	3127					
WEATHER OBS: Wind pickin' up, Sun down						
REMARKS: Warmer water, chi less, glayer system						
Instrument Notes:						
Recorder Initials:						
NIS DEPTH	Rosette Notes	Hydro Team-PMEL			Chloro	
No DESIRED		SALT	Nut.Bil	O2 Bil.No	CO2	GFF Vol
1	<i>Bat</i>	<i>124</i>			<i>283</i>	
2	<i>50</i>	<i>125</i>			<i>285</i>	
3	<i>40</i>	<i>126</i>			<i>289</i>	
4	<i>30</i>	<i>127</i>			<i>283</i>	
5	<i>20</i>	<i>128</i>			<i>279</i>	
6	<i>10</i>	<i>129</i>			<i>283</i>	
7	<i>0</i>	<i>130</i>	<i>161</i>		<i>283</i>	
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VESSEL Oscar Dyson		CRUISE ID DY1704		PROJECT & LEG Eco-FOCI Spring Mooring Cruise								CTD File Name: 70N17											
CONSC CAST #		LATITUDE		LONGITUDE		TIME (GMT)			DRY BULB		RH		WIND		WIND								
DEG	MIN	DEG	MIN	DAY	MO	YR	HR	MIN	(°C)	(%)	(mb)	DIRN.	SPD.	DIRN.	SPD.								
22	57	31	.24	N	16	8	17	.83	W	29	A	P	R	1	7	09 25	0.4	98	1005	12	8	18	72
SBE 9+	0772	FLUOR	FLNTUS-2057	WEATHER OBS:												MAX. DEPTH = 68 m							
PRESS SN	0772	SBE43-Dry (prime)	1961																				
PRI TEMP SN	2376	SBE43-Dry (sec)	0904																				
SEC TEMP SN	2985	Turbidity	2057																				
PRI COND SN	4379	PAR SN	70297																				
SEC COND SN	3127																						
REMARKS: bi-modal Chl ⁻ + O ₂ , Chl ⁻ in Surface layer																		Recorder Initials:					
More wind, dark																							
Instrument Notes:																							
No	DEPTH	Rosette Notes		Hydro Team: PMEL			Chloro			Comments		NS											
No	DESIRED			SALT	NUTRI	O2-Btl No	CO2	GFF Vol	Gann-Phyto			No											
1	<i>Bef</i>	<i>659</i>		<i>138</i>								1											
2	<i>50</i>	<i>139</i>						<i>283</i>				2											
3	<i>40</i>	<i>140</i>						<i>285</i>				3											
4	<i>30</i>	<i>141</i>						<i>288</i>				4											
5	<i>20</i>	<i>142</i>						<i>283</i>				5											
6	<i>10</i>	<i>143</i>						<i>279</i>				6											
7	<i>0</i>	<i>144</i>		<i>x172</i>				<i>283</i>				7											
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VESSEL Oscar Dyson		CRUISE ID DY1704		PROJECT & LEG Eco-FOCI Spring Mooring Cruise		CTD File Name: 70M118		STATION NO. 70M118			
CONSC CAST #		LATITUDE	LONGITUDE	TIME (GMT)	DRY BULB	RH	WIND DIRN.	WIND SPD.	BOTTOM DEPTH (m)	STA. NAME/ID	
DEG	MIN	DEG	MIN	DAY	MO	YR	(deg)	(kts)			
23	57	31	45	N	168	36.72	W	29 A P R 17	1.51 991004 10918	72	
SBE 9*		0772	FLUOR	FLINTUS-2057						MAX. DEPTH = 68 m	
PRESS SN		0772	SBE43-Dry (prime)		1961						
PRI TEMP SN		2376	SBE43-Dry (sec)		0904						
SEC TEMP SN		2985	Turbidity		2057						
PRI COND SN		4379	PAR SIN		70297						
SEC COND SN		3127									
WEATHER OBS:											
REMARKS: STARS! OK one Star. T. Gann phyto Samples, CO ₂											
Recorder Initials:											
No	DEPTH	Rosette Notes	Hydro Team-PIMEI			Chloro			Comments		
No	DESIRED		SALT	Nut/Bu	O2-Bu/No	CO2	GFF Vol	Gann Phyto			
1	Bottom		145	175							
2	18		146	175			283				
3	50		147				283				
4	40		148	037	X		285				
5	30		149				289				
6	20		150				283	x pyc			
7	10		151	100	X		279				
8	0		152				283	x D			
9											
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11											
12											
1	Inline	4/29/2017 10:07	Chla	83 mg	TSG = 1.1742	Chloro counts	915	Chloro counts	915	10.79	

Instrument Notes:

VESSEL	CRUISE ID	PROJECT & LEG	CTD File Name:	STATION NO.
Oscar Dyson	DY1704	Eco-FOCI Spring Mooring Cruise	Ctd 024.hex	70 min 45 M4 S
CONSC CAST #	LATITUDE	LONGITUDE		
	DEG	MIN	DEG	MIN
21	57	39	05	N
			16	901.32
			W	29 A P R 17
				/ 243 1.4
				98 1002 032
				69
SBE 9+	0772	FLUOR	FLNTUS-2057	WEATHER OBS:
PRESS SN	0772	SBE3-Oxy (prime)	1961	
PRI TEMP SN	2376	SBE3-Oxy (sec)	0904	
SEC TEMP SN	2985	Turbidity	2057	REMARKS:
PRI COND SN	4379	PAR SIN	70297	
SEC COND SN	3127			

Instrument Notes:

VESSEL	CRUISE ID		PROJECT & LEG		CTD File Name:		STATION NO.						
Oscar Dyson	DY1704		Eco-FOCI Spring Mooring Cruise		Ctd026.hex		70M21/M4						
CONSC CAST #	LATITUDE		LONGITUDE		TIME (GMT)		DRY BULB	RH	Pressure	WIND DIRN.	WIND SPD.	BOTTOM DEPTH	STA. NAME/ID
	DEG	MIN	DEG	MIN	DAY	MO	HR	MIN	(°C)	(%)	(mb)	(m/s)	
26 57 54.26 N	168 51.21 W	29 A P R 17	19 00 00 1.3094	100010620	71								
SBE 9+	0772		FLUOR	FLINTUS-2057									MAX. DEPTH = 65 m
PRESS SN	0772		SBE43-Oxy (prime)				1961						
FRI TEMP SN	2376		SBE43-Oxy (sec)				0904						
SEC TEMP SN	2985		Turbidity				2057						
FRI COND SN	4379		PAR S/N				70297						
SEC COND SN	3127												
WEATHER OBS: little bit rolley													
REMARKS:													

VESSEL		CRUISE ID		PROJECT & LEG				CTD File Name:				STATION NO.			
Oscar Dyson		DY1704		Eco-FOCI Spring Mooring Cruise				ctd028_hex				70M22/M4W			
CONSC CAST #	LATITUDE		LONGITUDE		TIME (GMT)		DRY BULB	RH	WIND DDIRN.		WIND SPD.	BOTTOM DEPTH (m)		STA. NAME/ID	
	DEG	MIN	DEG	MIN	DAY	MO	HR	MIN	(°C)	(%)	(mb)	(deg)	(kts)		
SBE 9+	028	57 55	.89	N	16 91	9.	55	w	29	A P R	17	23 54	00 .70 95	09227	67
PRESS SN		0772												MAX. DEPTH = 60 m	
PRI TEMP SN		0772													
SEC TEMP SN		2376													
PRI COND SN		2985													
SEC COND SN		4379													
		3127													
WEATHER OBS: ~6ft seas															
REMARKS: Ship rolling															
FLINTUS-2057															
SBE43-Ory (prime) 1961															
SBE43-Ory (sec) 0904															
Turbidity 2057															
PAR S/N 70297															
FLUOR															
SBE43-Ory (prime) 1961															
SBE43-Ory (sec) 0904															
Turbidity 2057															
PAR S/N 70297															
Instrument Notes:															
Recorder Initials:															
NIS	DEPTH	Rosette Notes		Hydro Team-PMEI			Chloro			Comments			NIS		
No.	DESIRED	SALT	NUTRI	O2-SI	SI No	CO2	GFF Vol	Gann-Phyto					No.		
1	bot												1		
2	50												2		
3	40												3		
4	30												4		
5	20												5		
6	10												6		
7	0												7		
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VESSEL Oscar Dyson		CRUISE ID DY1704		PROJECT & LEG Eco-FOCI Spring Mooring Cruise				CTD File Name: Ctd029.hex				STATION NO. 70M23	
CONSC CAST #	LATITUDE		LONGITUDE		TIME (GMT)		DRY BULB	RH	Pressure	WIND DIRN. (deg)	WIND SPD. (kts)	BOTTOM DEPTH	STA. NAME/ID
	DEG	MIN	DEG	MIN	DAY	MO	YR	HR	MIN	(%)	(mb)	(m)	
0295754.74	N	16930.37	W	30	APR	17	0124	00.7	0960	9950	427	68	MAX. DEPTH = 60 m
SBE 9*		FLUOR SN		FLNTUS-2057									
PRESS SN		SBE43-Oxy (prime)											
PRI TEMP SN		SBE43-Oxy(sec)											
SEC TEMP SN		Transmissometer											
PRI COND SN		PAR SN											
SEC COND SN		O2 Time Sensor No.											
Instrument Notes:													
REMARKS: Why are there so many spaces for bottom depth on this sheet?													
Recorder Initials:													

VESSEL		CRUISE ID		PROJECT & LEG						CTD File Name:						
Oscar Dyson	DY1704	Eco-FOCI Spring Mooring Cruise						Ctd030.hex		STATION NO. 70M24						
CONSC CAST #		LATITUDE		LONGITUDE				TIME (GMT)		DRY BULB	RH	Pressure	WIND DIRN.	WIND SPD.	BOTTOM DEPTH	STA. NAME/ID
		DEG	MIN	DEG	MIN	DAY	MO	YR	HR	(°C)	(%)	(mb)	(deg)	(kts)	(m)	
030	5802.86	N	16940.50	W	30	A	P	R	17	0250	0.5	97	995106	22	71	MAX. DEPTH = 61 m
SBE 9+																
PRESS SN																
PRI TEMP SN																
SEC TEMP SN																
PRI COND SN																
SEC COND SN																
WEATHER OBS:																
FLNTUS-2057																
SBE43-Oxy (prime) _____																
SBE43-Oxy (sec) _____																
Transmissometer _____																
PAR SN _____																
O2 Temp Sensor No. _____																
REMARKS: Rough wave, low winds, cover CTD, stopped operations.																
Instrument Notes:																
Recorder Initials:																
Ns	DEPTH	Rosette Notes		Hydro Team-PMEL			Chloro		POC		Comments		Ns			
No	DESIRED	SALT	Nut.Btl	O2-Btl No	DIG/AIR	GFF Vol	Phyto		500 ml				No			
1	BOT		196										1			
2	50		197	365	X	283							2			
3	40		198			285							3			
4	30		199			289							4			
5	20		200			283	X						5			
6	10		201	365	X	279							6			
7	0		202	X		283	X						7			
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VESSEL	CRUISE ID	PROJECT & LEG										CTD File Name:	STATION NO.							
		Eco-FOCI Spring Mooring Cruise																		
Oscar Dyson	DY1704	LATITUDE					LONGITUDE					TIME (GMT)	DRY BULB	RH	Pressure	WIND DIRN.	WIND SPD.	BOTTOM DEPTH	STA. NAME/ID	
		DEG	MIN	DEG	MIN	DAY	MO	YR	HR	MIN	(°C)	(%)	(mb)	(deg)	(kts)	(m)				
32	55 22 . 24 N	16 8 11 . 74	W	01 M A Y 17	13 0 4	2.5	92	995	6	3							MAX. DEPTH = 572 m			
SBE 9+	0772	FLUOR										FLNTUS-2057					WEATHER OBS:			
PRES SN	0772	SBE 3-Oxy (prime)										1961								
PRI TEMP SN	2376	SBE 3-Oxy (sec)										0904								
SEC TEMP SN	2985	Turbidity										2057								
PRI COND SN	4379	PAR SN										70297								
SEC COND SN	3127																			
Instrument Notes:													REMARKS: Bottom depth did not work on Event log, Bottles with no fine.							
													Bottles eventually fired at surface after manually firing bottles NO H2O SAMPLES COLLECTED							
													CTD WORKED / COLLECTED							
													Recorder Initials:							
Nis	DEPTH	Rosette Notes		Hydro Team+EMEL			Chloro			Comments			Nis							
No	DESIRED			SALT	NuBII	O2-BII No	CO2	GFF Vol	Garn-Phyto				No							
1	<i>Bott</i>			213									1							
2	350			214									2							
3	800			215									3							
4	100			216									4							
5	75			217									5							
6	50			218									6							
7	410			219									7							
8	30			220									8							
9	20			221									9							
10	10			222									10							
11	0			223									11							
12													12							
1	Inline	Sal = 36.1		TSG = 5.8138									1							

Chl = UW2 Chl = 6.99 Chl long/1/cont = 8.47

VESSEL		CRUISE ID		PROJECT & LEG								CTD File Name:				
Oscar Dyson	DY1704	Eco-FOCI Spring Mooring Cruise								Ctd033.hex						
CONSC CAST #	LATITUDE		LONGITUDE		TIME (GMT)			DRY BULB		RH		WIND DIRN.		BOTTOM DEPTH		STA. NAME/ID
	DEG	MIN	DEG	MIN	DAY	MO	YR	HR	MIN	(°C)	(%)	(mb)	(deg)	(kts)	(m)	
30 53 07.05 N	168 29.12 W	01 MAY 17	151 502.9	09	09	53	45	05	1700							
SBE 9*	0772	FLUOR	FLNTUS-2057	WEATHER OBS:												
PRESS SN	0772	SBE43-Oxy (prime)	1961													
PRI TEMP SN	2376	SBE43-Oxy (sec)	0904													
SEC TEMP SN	2985	Turbidity	2057													
PRI COND SN	4379	PAR SN	70297													
SEC COND SN	3127															
REMARKS: Lost communication w/ CTD @ 320m on the way down																
Instrument Notes:																
Recorder Initials:																

VESSEL	CRUISE ID		PROJECT & LEG		CTD File Name:	
Oscar Dyson	DY1704		Eco-FOCI Spring Mooring Cruise		Ctd034.hex	
CONSC CAST #	LATITUDE		LONGITUDE			
	DEG	MIN	DEG	MIN	DAY	MO
034 55 06 . 77 N	168	29 . 93 W	02	55	02 . 4	09 2
SBE 9+	0772		FLUOR			
PRESS SN	0772		SBE43-Oxy (prime)		1961	
PRI TEMP SN	2376		SBE43-Oxy (sec)		0904	
SEC TEMP SN	2985		Turbidity		2057	
PRI COND SN	4379		PAR SN		70297	
SEC COND SN	3127					
WEATHER OBS:						
REMARKS: O ₂ Flakes, replaced cable						
Instrument Notes:						
Recorder Initials:						
Ns	DEPTH	Rosette Notes	Hydro Team-PMEL			Comments
No	DESIRED		SALT	O2-Btl No	CO2	GFF Vol
1	BOT		213			Gann-Phyto
2	1000		214			
3	500		215			
4	100		216			
5	75		217			
6	50		218			
7	40		219			
8	30		220			
9	20		221			
10	10		222			
11	0		223			
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VESSEL Oscar Dyson	CRUISE ID DY1704	PROJECT & LEG EcoFOCI Spring Mooring Cruise	CTD FileName: <i>L_L4</i>											
CONSC CAST #	LATITUDE		LONGITUDE		TIME (GMT)			DRY BULB	RH	Pressure	WIND DIRN.	WIND SPD.	BOTTOM DEPTH	STA. NAME/ID
	DEG	MIN	DEG	MIN	DAY	MO	YR	HR	MIN	(°C)	(%)	(mb)	(m)	
35 54 50 . 46 N	168 45 . 18 w	03 M A Y 1 7	02 19	2 . 8	87	10 10	33 326							MAX. DEPTH = 1520 m
WEATHER OBS: <i>Bumpy</i>														
SBE 9+	0772	FLUOR	FLNTUS-2057											
PRESS SN	0772	SBE43-Oxy (prime)	1961											
PRI TEMP SN	2376	SBE43-Oxy (sec.)	0904											
SEC TEMP SN	2985	Turbidity	2057											
PRI COND SN	4379	PAR SN	7097											
SEC COND SN	3127													
REMARKS: <i>OK 80 fm - surface</i> <i>0200 0100 200</i> <i>0 - 200 30 m/min 200 - 1520 @ 60 m/min</i>														

Instrument Notes:

VESSEL Oscar Dyson		CRUISE ID DY1704		PROJECT & LEG Eco-FOCI Spring Mooring Cruise				CTD File Name:				STATION NO. LL7			
CONSC CAST #	54 39.9828	LATITUDE 169 12.0009		LONGITUDE DEG MIN		DAY	MO	YR	TIME (GMT) DRY BULB	RH	Pressure (mb)	WIND DIRN. (deg)	WIND SPD. (kts)	BOTTOM DEPTH (m)	STA. NAME/ID
36 54 39 66 N	0772	0772		0772	03	W	03	MA Y 17	05 38	3.3	85 10 12	328 25	1720		
SBE 9+ PRESS SN		SBE-9-Oxy (prime)		FLUOR		FLNTUS-2057		WEATHER OBS:						MAX. DEPTH = 1570 m	
PRI TEMP SN	2376	SBE-3-Oxy (sec)		0904											
SEC TEMP SN	2985	Turbidity		2057											
PRI COND SN	4379	PAR/SIN		70297											
SEC COND SN	3127														
REMARKS: We'll mixed to ~40 m. 0 - 200 m 30 m/min 200 - 1500 m ~60 m/min 1000 m															
Instrument Notes:														Recorder Initials:	
Ns No	DEPTH Desired	Rosette Notes		Hydro Team-PMEI		CHIRO		Comments		Ns No					
1	Bottom	SALT		O2-Btl No	CO2	GFF Vol	Gann-Phylo			1					
2	1000	235								2					
3	500	236								3					
4	100	237		220						4					
5	75	238								5					
6	50	239								6					
7	40	240								7					
8	30	241								8					
9	20	242								9					
10	10	243								10					
11	0	244								11					
12		245								12					
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VESSEL Oscar Dyson	CRUISE ID DY1704	PROJECT & LEG				CTD File Name:				STATION NO. DL6/LL9							
		Eco-FOCI Spring Mooring Cruise				Ctd038.het											
CONSC CAST #	54.02,3765		169 33.5353		TIME (GMT)				DRY BULB	RH	Pressure	WIND DIRN.	WIND SPD.	BOTTOM DEPTH	STA. NAME/ID		
LATITUDE	DEG	MIN	DEG	MIN	DAY	MO	YR	HR	MIN	(°C)	(%)	(mb)	(deg)	(kts)	(m)		
38	S	402.12	N	169 34.21	W	03	MA	Y	17	309	2.7	84	10 15	332	14	1800	
SBE 9+	0772	FLUOR		WEATHER OBS:												MAX. DEPTH = 1502 m	
PRESS SN	0772	SBE43-Oxy (prime)		FLNTUS-2057													
PRI TEMP SN	2376	SBE43-Oxy (sec)		1961													
SEC TEMP SN	2985	Turbidity		0904													
PRI COND SN	4379	PAR SN		2057													
SEC COND SN	3127			70297													
REMARKS: pygocnophine @ 50m																	
Instrument Notes:																	
Recorder Initials:																	

VESSEL		CRUISE ID		PROJECT & LEG				CTD File Name:		STATION NO.									
Oscar Dyson	DY1704	Eco-FOCI Spring Mooring Cruise								UBN/C									
CONSC CAST #	LATITUDE		LONGITUDE		TIME (GMT)		DRY BULB	RH	Pressure	WIND DIRN.	WIND SPD.	STA. NAME/ID							
	DEG	MIN	DEG	MIN	DAY	MO	HR	MIN	(°C)	(%)	(mb)		(deg)	(kts)	(m)				
4/1	55	03	.16	N	165	06.	34	w	05	M A Y	17	07	42	4.3	72	1005	120	19	112
SBE 9+	0772	FLUOR	FLNTUS-2057	WEATHER OBS:										MAX. DEPTH = 101 m					
PRESS SN	0772	SBE43-Oxy (prime)		1961															
PRI TEMP SN	2376	SBE43-Oxy (sec)		0904															
SEC TEMP SN	2985	Turbidity		2057															
PRI COND SN	4379	PAR S/N		70297															
SEC COND SN	3127																		
REMARKS:																			
Instrument Notes:														Recorder Initials:					
No	DEPTH	Rosette Notes		Hydro Team-PMEI			Chloro			Comments			No						
No	DESIRED	SALT	NUT_BII	O2_BII No	CO2	GFF Vol	Gann Phyto					No							
1	Bottom	290	351	CO ₂								1							
2	75	291										2							
3	50	292										3							
4	40	293										4							
5	30	294										5							
6	20	295										6							
7	10	296										7							
8	0	297										8							
9												9							
10												10							
11												11							
12												12							
1												1							
Initials:																			

VESSEL	CRUISE ID	PROJECT & LEG	CTD FILENAME:	STATION NO.						
Oscar Dyson	DY1704	Eco-FOCI Spring Mooring Cruise		UBE 1						
CONSC CAST #	LATITUDE	LONGITUDE	TIME (GMT)	DRY BULB	RH	PRESSURE	WIND DIRN.	WIND SPD.	BOTTOM DEPTH	STA. NAME/ID
DEG	MIN	DEG	MIN	DAY	MO	YR	(deg)	(mb)	(m)	
42 59 56.	40 N	164 59.	63 W	05 MAY 17	0911	3.8	80	1002	2526	93
MAX. DEPTH = 88 m										
SBE 9+	0772	FLUOR	FLNTUS-2057	WEATHER OBS:						
PRESS SN	0772	SBE43-Oxy (prime)	1961							
PRITEMP SN	2376	SBE43-Oxy (sec)	0904							
SEC TEMP SN	2985	Turbidity	2057							
PRI COND SN	4379	PAR SN	70297							
SEC COND SN	3127									
REMARKS: Another boring - CTD! Somehow the 30m bottle was not tripped but I did not realize that until after sampling and processing - thought it was the surface bottle. So some samples are labeled incorrectly										
Instrument Notes:										

VESSEL Oscar Dyson		CRUISE ID DY1704		PROJECT & LEG Eco-FOCI Spring Mooring Cruise				CTD File Name: UIBE2		STATION NO.				
CONSC CAST #		LATITUDE		LONGITUDE				TIME (GMT)	DRY BULB (°C)	RH (%)	WIND DIRN. (deg)	WIND SPD. (Kts)	BOTTOM DEPTH (m)	STA. NAME/ID
DEG	MIN	DEG	MIN	DAY	MO	YR	HR	MIN	(mb)	(deg)	(deg)	(m)		
43	5449.96	53.58	W	05 MAY 17	10	31	4.1	83	999	189	26	76		
SBE 9+	0772	FLUOR		FLNTUS-2057									MAX. DEPTH = 70 m	
PRESS SN	0772	SBE43-Oxy (prime)		1961										
PRI TEMP SN	2376	SBE43-Oxy (sec)		0904										
SEC TEMP SN	2985	Turbidity		2057										
PRI COND SN	4379	PAR/SIN		70297										
SEC COND SN	3127													
WEATHER OBS:														
WDN increasing														
REMARKS: Mixed, surface to bottom O ₂ bottom														
Recorder Initials:														
Nis	DEPTH	Rosette Notes	Hydro Team-PMEI				Chloro				Comments			
No	DESIRED		SALT	Nut.Btl	O2-Btl.No	CO2	GFF Vol	Gann-Phyto						
1	30T		306	353			283							
2	50		307				285							
3	40		308				289							
4	30		309				283							
5	20		310				279							
6	10		311				283							
7	0		312											
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Instrument Notes:

VESSEL Oscar Dyson	CRUISE ID DY1704		PROJECT & LEG Eco-FOCI Spring Mooring Cruise				CTD File Name: C + d 046_hex				STATION NO. UBSA		
CONSC CAST #	LATITUDE		LONGITUDE		TIME (GMT)		DRY BULB	RH	Pressure	WIND DIRN.	WIND SPD.	BOTTOM DEPTH	STA. NAME/ID
	DEG	MIN	DEG	MIN	DAY	MO	HR	MIN	(°C)	(%)	(mb)	(mts)	(m)
04 654 25 . 25 N	165	08 . 53 W	05	MA Y	17	212	05.	05	0.0	089	099	214217	136
SBE 9+	0772	FLUOR	WEATHER OBS:										MAX. DEPTH = 130 m
PRESS SN	0772	SBE43-Oxy (ppme)	FLNTUS-2057										1961
PRI TEMP SN	2376	SBE43-Oxy (sec)											0904
SEC TEMP SN	2985	Turbidity											2057
PRI COND SN	4379	PAR SN											70297
SEC COND SN	3127												
REMARKS: water column mixed, Gann-Phyto 10m and 0m													
Instrument Notes:													
Recorder Initials:													

VESSEL	CRUISE ID		PROJECT & LEG		CTD File Name:										
	DY1704		Eco-FOCI Spring Mooring Cruise		Ctd048.hex										
Oscar Dyson	CONSC CAST #		LATITUDE		LONGITUDE		TIME (GMT)		DRY BULB	RH	Pressure	WIND DDIRN.	WIND SPD.	BOTTOM DEPTH	STA. NAME/ID
	DEG	MIN	DEG	MIN	DAY	MO	YR	HR	MIN	(%)	(mb)	(deg)	(kts)	(m)	
04 85420 . 37 N	16525 . 60 W	05 M A Y 1 7	234505 . 10910990	11 81 4										152	
SBE 9+	0772	FLUOR	FLINTUS-2057	WEATHER OBS:										MAX DEPTH = 145 m	
PRESS SN	0772	SBE43-Oxy (prime)	1961												
PRI TEMP SN	2376	SBE43-Oxy (sec)	0904												
SEC TEMP SN	2985	Turbidity	2057												
PRI COND SN	4379	PAR SN	70297												
SEC COND SN	3127														
Instrument Notes:															
Recorder Initiates:															
No	DEPTH	Rosette Notes	Hydro Team-PMEL			Chloro			Comments						
No	DESIRED		SALT	Nut.Btl	O2.Btl.No	CO2	GFF Vol	Gann Phyto							
1	BOT		341												
2	100		342												
3	75		343												
4	50		344												
5	40		345												
6	30		346												
7	20		347												
8	10		348												
9	0		349	x 169											
10															
11															
12															
-															
Inline															

VESSEL		CRUISE ID		PROJECT & LEG				CTD File Name:				STATION NO.						
Oscar Dyson	DY1704	Eco-FOCI Spring Mooring Cruise												UBW1				
CONSC CAST #	LATITUDE	LONGITUDE						TIME (GMT)		DRY BULB	RH	WIND		WIND DIRN. SPD.		STA. NAME/ID		
	DEG	MIN	DEG	MIN	DAY	MO	YR	HR	MIN	(°C)	(%)	(mb)	(deg)	(kts)	(m)			
49	54	21	57	N	165	55	.97	W	06	MAY	17	02	19	5.2	91	987	14728	1467
SBE 9+		0772	FLUOR				FLNTUS-2057				WEATHER OBS:				MAX. DEPTH = 4160 m			
PRESS SN		0772	SBE43-Oxy (prime)				1961				Gray :-							
PRI TEMP SN		2376	SBE43-Oxy (sec)				0804											
SEC TEMP SN		2985					2057				REMARKS: mixed down to 60m to very little fluorescence							
PRI COND SN		4379	Turbidity				70297				0 - 300 m @ 30m/min 000 - bot @ 60m/min							
SEC COND SN		3127	PAR SIN															
Instrument Notes: Orca Dol's porpoise Albatross on my!!																		
No	DEPTH	Rosette Notes		Hydro Team-PMEL				Chloro				Comments				NIS		
No	DESIRED	SALT	NUT BII	O2-BII No	CO2	GFF Vol	Gann-Phyto								No			
1	Bat	667	350												1			
2	300		351												2			
3	200		352												3			
4	100		353												4			
5	75		354	175 CO ₂											5			
6	50		355												6			
7	40		356												7			
8	30		357												8			
9	20		358												9			
10	10		359	172 CO ₂											10			
11	0		360												11			
12															12			
1															1			
Inline																		

VESSEL Oscar Dyson		CRUISE ID DY1704		PROJECT & LEG Eco-FOCI Spring Mooring Cruise				CTD File Name: UBL02				STATION NO. UBL02	
CONSC CAST #	LATITUDE MIN	LONGITUDE		TIME (GMT)	DRY BULB °C	RH %	Pressure (mb)	WIND DIRN. (deg)	WIND SPD. (kts)	BOTTOM DEPTH (m)	STA. NAME/ID		
DEG	MIN	DEG	MIN	DAY	MO	HR							
50 54	28.32 N	166 02	44 07										
SBE 9+		0772	FLUOR	FLINTUS:2057									
PRESS SN		0772	SBE43-Dry (prime)		1961								
PRI TEMP SN		2376	SBE43-Dry (sec)		0904								
SEC TEMP SN		2985	Turbidity		2057								
PRI COND SN		4379	PAR SN		70297								
SEC COND SN		3127											
REMARKS: Mixed to 40m, 0-200m @ 30m/min 200-530 @ 60m/min more fit -													
WEATHER OBS: Sun breaks :-													
Instrument Notes:													
Recorder Initials:													
NIS	DEPTH	Rosette Notes	Hydro Team-PMEL			Chloro			Comments			NIS	
No	DESIRED		SALT	O2-Btl No	CO2	GFF Vol	Gann-Phylo				No		
1	BOT		361	181							1		
2	300		362								2		
3	200		363								3		
4	100		364								4		
5	75		365								5		
6	50		366			283					6		
7	40		367			285					7		
8	30		368			289					8		
9	20		369			283					9		
10	10		370			279					10		
11	0		371			283					11		
12											12		
InLine													

VESSEL Oscar Dyson	CRUISE ID DY1704	PROJECT & LEG Eco-FOCI Spring Mooring Cruise						CTD File Name: <i>(LBW)3</i>			STATION NO.		
		CONSC CAST #		LATITUDE		LONGITUDE		TIME (GMT)	DRY BULB °C	RH %	Pressure mb	WIND DIRN (deg)	WIND SPD. m/s
51	54	35	33 N	146	07.33 W	33 W	06 M A Y 1 7	66 56	5.2	96 98 F	145 23	406	MAX DEPTH = 401 m
SBE 4+		0772	FLUOR	WEATHER OBS: <i>Partly cloudy, getting dark</i>									
PRESS SN		0772	SBE43-Oxy (prime)	REMARKS: <i>0-200m @ 30 min, 200-400 @ 60 min</i>									
PRI TEMP SN		2376	SBE43-Oxy (sec)										
SEC TEMP SN		2985	Turbidity										
PRI COND SN		4379	PAR S/N										
SEC COND SN		3127											
Instrument Notes:													
CTD ONLY													
Recorder Initials:													
No	DEPTH	Rosette Notes		Hydro Team-PMEL			Chloro			Comments			No
No	DESIRED	SALT	Nut.Btl	O2-Btl.No	CO2	GFF Vol	Gann Phyto						No
1	<i>Beef</i>		<i>372</i>										1
2	300		373										2
3	200		374										3
4	100		375										4
5	75		576										5
6	50		377										6
7	40		378										7
8	30		379										8
9	20		380										9
10	10		381	194									10
11	0		382										11
12													12
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VESSEL	CRUISE ID		PROJECT & LEG		CTD FileName:		STATION NO.									
Oscar Dyson	DY1704		Eco-FOCI Spring Mooring Cruise				10341									
CONSC CAST #	LATITUDE		LONGITUDE		TIME (GMT)		DRY BULB	RH	PRESSURE		WIND DIRN.	WIND SPD.	BOTTOM DEPTH		STA. NAME/ID	
	DEG	MIN	DEG	MIN	DAY	MO	HR	MIN	(°C)	(%)	(mb)	(deg)	(kts)	(m)		
53 54 45 . 09 N	166 02 . 73 W	06 MAY 17	/ 0 10	S . 1	89	9871	32	25							MAX. DEPTH = 218 m	
SBE 9*	0772		FLUOR	FLNTUS-2057												
PRESS SN	0772		SBE43-Oxy (prime)		1961											
PRI TEMP SN	2376		SBE43-Oxy (sec)		0904											
SEC TEMP SN	2985		Turbidity		2057											
PRI COND SN	4379		PAR SN		70297											
SEC COND SN	3127															
WEATHER OBS:																
<i>It was a Dark and Stormy night :)</i>																
REMARKS:															<i>Mixed to 75m</i>	
Instrument Notes:																

VESSEL Oscar Dyson	CRUISE ID DY1704	PROJECT & LEG Eco-FOCI Spring Mooring Cruise				CTD File Name: Ctd065.hex				STATION NO. UBN3					
CONSC CAST #	LATITUDE		LONGITUDE		TIME (GMT)		DRY BULB	RH	Pressure	WIND DIRN.	WIND SPD.	BOTTOM DEPTH	STA. NAME/ID		
	DEG	MIN	DEG	MIN	DAY	MO	YR	HR	MIN	(°C)	(%)	(mb)	(m)		
55	54	52.02	N	165	40	17	w	06	M A Y	17	338	4.7	093 0989	145 22	144
SBE 9+			0772	FLUOR		FLNTUS-2057		WEATHER OBS:				MAX. DEPTH = 139 m			
PRESS SN	SBE43-Oxy (prime)		SBE43-Oxy (sec)		Turbidity		PAR SIN								
PRI TEMP SN	2376		2985		PAR SIN										
SEC TEMP SN															
PRI COND SN	4379														
SEC COND SN	3127														

Instrument Notes:

NIS No	DEPTH Rosette Notes	Hydro Team-PMEI				Chloro		Comments		NIS No
		SAIT	O2-Btl No	CO2	GFF Vol	Gann-Phyto				
1	85T ✓	415	360							1
2	100✓	416								2
3	75✓	417								3
4	50✓	418			283					4
5	40✓	419			285					5
6	30✓	420			280					6
7	20✓	421			283					7
8	10✓	422			279					8
9	0✓	423			283					9
10										10
11										11
12										12
										1

Recorder Initials: H-T

CTD

Infile

VESSEL		CRUISE ID		PROJECT & LEG				CTD File Name:				STATION NO.	
Oscar Dyson		DY1704		Eco-FOCI Spring Mooring Cruise								DL1/LL15	
CONSC CAST #	LATITUDE		LONGITUDE		TIME (GMT)		DRY BULB	RH	Pressure	WIND DIRN.	WIND SPD.	BOTTOM DEPTH	STA. NAME/ID
	DEG	MIN	DEG	MIN	DAY	MO	HR	MIN	(mb)	(deg)	(Kts)	(m)	
585322.21	N	168 41.2	W	07 M A Y 17	08 03	4.8	093	0993	02413			375	MAX. DEPTH = 376 m
SBE 9+	0772		FLUOR		FLNTUS-2057								NOT LOGGED
PRESS SN	0772		SBE3-Oxy (prime)		1961								
PRI TEMP SN	2376		SBE3-Oxy (sec)		0904								
SEC TEMP SN	2985		Turbidity		2057								
PRI OOND SN	4379		PAR SIN		70297								
SEC OOND SN	3127												
WEATHER OBS:													
light winds, increasing													
REMARKS:													
Altimeter: Depth 071 - 504													
Recorder Initials:													
Instrument Notes:													
NIS	DEPTH	Rosette Notes		Hydro Team-PMEL		Chlro		Comments		NIS			
No	DESIRED	SALT	NUT BTL	O2-BTL No	CO2	GFF Vol	Garn-Phyto			No			
1	85'	671	441							1			
2	300'	442								2			
3	200'	443								3			
4	100'	444	363							4			
5	75'	445								5			
6	50'	446								6			
7	40'	447								7			
8	30'	448								8			
9	20'	449								9			
10	10'	450								10			
11	6'	451								11			
12										12			
										13			
										14			
										15			
										16			

VESSEL Oscar Dyson		CRUISE ID DY1704		PROJECT & LEG EcoFOCI Spring Mooring Cruise				CTD FileName:				STATION NO. DL21LL13		
CONSC CAST #	53 25.2624	LATITUDE LONGITUDE				TIME (GMT)	DRY BULB	RH	Pressure	WIND DRN.	WIND SPD.	BOTTOM DEPTH		STA. NAME/ID
DEG	MIN	DEG	MIN	DAY	MO	YR	HR	MIN	(mb)	(deg)	(m/s)	(m)		
59	53 25.22 N	168 49.44 W	07	MA	Y	17	04	37	094	0994	003	15	1230	
SBE 9*	0772	FLUOR		FLNTUS-2057				WEATHER OBS:				MAX. DEPTH = 1234 m		
PRESS SN	0772	SBE43-Oxy (prime)		1961								COLLECT		
PRI TEMP SN	2376	SBE43-Oxy (sec)		0904										
SEC TEMP SN	2985	Turbidity		2057										
PRI COND SN	4379	PAR SN		70297										
SEC COND SN	3127													
<p>REMARKS: Moved CTD while NE to avoid Submerso boat next to original site</p> <p>Altitude reading was 5m above bottom + bottom depth readings EK60 a bit ambiguous.</p> <p>Instrument Notes: None</p>														
NIS DEPTH	Rosette Notes	Hydro Team PMEL			Chloro			Comments			NIS			
No DESIRED		SALT	Nut. BN	O2-BN No	CO2	GFF Vol	Garn-Phyto						No	
1	BOT	462											1	
2	750'	453	364										2	
3	500'	454											3	
4	100'	455											4	
5	75'	456											5	
6	50'	457											6	
7	40'	458											7	
8	30'	459											8	
9	20'	460											9	
10	10'	461											10	
11	0'	462											11	
12													12	
													13	

Recorder Initials: HT/PP

Intline

VESSEL	CRUISE ID	PROJECT & LEG	CTD File Name:		
Oscar Dyson	DY1704	Eco-FOCI Spring Mooring Cruise	ctd062.hex		
CONSC CAST #	LATITUDE	LONGITUDE			
DEG	MIN	DEG	MIN		
0625347.05	N	16916.80	W 07 MAY 17		
SBE 9+	0772	FLUOR	WEATHER OBS:		
PRESS SN	0772	SBE43-Oxy (prime)	1961		
PRI TEMP SN	2376	SBE43-Oxy (sec)	0904		
SEC TEMP SN	2985	Turbidity	2057		
PRI COND SN	4379	PAR SN	70297		
SEC COND SN	3127				
Instrument Notes:					
Recorder Initials:					
Nis	DEPTH	Rosette Notes	Hydro Team-PMEI	Chloro	Comments
No	DESIRED	SALT	Nut.Bil	O2-Bil/No	GFF Vol
1	1500	677	485		Genn-Phyto
2	1000	486			
3	500	487			
4	100	488			
5	75	489			
6	50	490			
7	40	491			
8	30	492			
9	20	493			
10	10	494			
11	0	495	367	283	
12					
					Inline

VESSEL Oscar Dyson		CRUISE ID DY1704		PROJECT & LEG Eco-FOCI Spring Mooring Cruise				CTD File Name: \CTDData5.hex				STATION NO. #W3	
CONSC CAST #	LATITUDE	LONGITUDE		TIME (GMT)	DRY BULB	RH	Pressure	WIND DIRN.	WIND SPD. (deg) (kts)	BOTTOM DEPTH (m)	STA. NAME/ID		
		DEG	MIN									DEG	MIN
05	54 12.16 N	164 2.74 W	08 M A Y 17	045 204.1	096 099.6	325 20				1373			
SBE 9+	0772	FLUOR		FLNTUS-2057				WEATHER OBS:					
PRESS SN	0772	SBE-13-Oxy (prime)		1961				Cloudy/grey, windy					
PRI TEMP SN	2376	SBE-13-Oxy (sec)		0904									
SEC TEMP SN	2985	Turbidity		2057									
PRI COND SN	4379	PAR SIN		70297				Lots of cargo ships					
SEC COND SN	3127												
Instrument Notes:													
												HAT	
												Recorder Initials:	
No	DEPTH	Rosette Notes	Hydro Team-PMEI			Chloro			Comments			No	
No	DESIRED		SALT	Nut.Btl	O2-Btl No	CO2	GFF Vol	Gamm-Phyto				No	
1	BOTT	674	518	370	N/A		N/A					1	
2	1000		519									2	
3	500		520									3	
4	100		521									4	
5	75		522									5	
6	50		523									6	
7	40		524									7	
8	30		525									8	
9	20		526									9	
10	10		527									10	
11	0		528									11	
12												12	
												1	
In-line												Chl w/w 673 TSG = 5.48641 Chl w/w 1 out 1.29	
Chl w/w 5 Chloro Count = 55												8 May 17 04:34 GWT	
												st 69 H1	

VESSEL		CRUISE ID		PROJECT & LEG						CTD FileName:		STATION NO.			
Oscar Dyson		DY1704		Eco-FOCI Spring Mooring Cruise								Flu 2			
CONSC CAST #	LATITUDE		LONGITUDE		TIME (GMT)		DRY BULB		RH		Pressure (mb)	WIND DIRN. (deg)	WIND SPD. (kts)	BOTTOM DEPTH (m)	STA. NAME/ID
	DEG	MN	DEG	MN	DAY	MO	YR	HR	MIN	(%)					
66	54 08.69	N	166 39.73	W	08	May	17	0752	4.3096	999	34416		1095		
SBE 9+	0772		FLUOR		FLNTUS-2057						WEATHER OBS:			MAX. DEPTH = 1083 m	
PRESS SN	0772		SBE13-Oxy (prime)		1961						gray, gray, gray. " dark.				
PRI TEMP SN	2376		SBE13-Oxy (sec)		0904						REMARKS: On initial deployment there was a large mismatch with O ₂ + Salinity, brought back on board and flushed.				
SEC TEMP SN	2985		Turbidity		2057						OK Casting				
PRI COND SN	4379		PAR/SIN		70297						Salinities just a bit off.				
SEC COND SN	3127														
Instrument Notes:															Recorder Initials: PJP
NIS	DEPTH	Rosette Notes		Hydro Team PMEL		Chloro						Comments		NIS	
No	DESIRED			SALT	O2-Btl No	CO2	GFF Vol	Gann-Phyto						No	
1	Bott	675		529										1	
2	720'	520												2	
3	575'	521												3	
4	106'	532		371										4	
5	75'	533												5	
6	50'	534						283						6	
7	40'	535						285						7	
8	30'	536						289						8	
9	20'	537						283						9	
10	10'	538						279						10	
11	0'	539						283						11	
12														12	
														13	

ACROBAT LOG

Cruise: DY17-04 Ship: Dyson
Deployment #: 3 Date: 28 April 2017
Name: Graff Loran

PREDEPLOYMENT CHECKS:

Deck box and computers connected? Yes
Connectors tight? Yes Tow cable secured? Yes
Remove CTD plug? Yes Remove Triplet cover? Yes

DEPLOYMENT:

Latitude: _____ Longitude: _____
UTC Time: _____ Local Time: _____
Power on when in water? Yes
CTD sampling? Yes ECOpuck sampling? Yes
Start flight software? Yes Flight software logging? Yes
AcrobatGUI started? Yes AcrobatGUI logging? Yes
Cable payout: 125m Payout set on software? Yes
Winch dogged? Yes

RECOVERY:

Winch brake released? Yes
Power off on deck box? Yes AcrobatGUI closed? Yes
Latitude: _____ Longitude: _____
UTC Time: _____ Local Time: _____

NOTES:

Forgot to save data file name
so saved as in previous data folder to save.
Noticed only GPS data coming in after awhile so
restarted data log in folder 2015106

ACROBAT LOG

Cruise: DY1704 Ship: Dyson
Deployment #: _____ Date: 4/27
Name: H.Tabisola

PREDEPLOYMENT CHECKS:

Deck box and computers connected? Yes
Connectors tight? Yes Tow cable secured? Yes
Remove CTD plug? Yes Remove Triplet cover? Yes

DEPLOYMENT:

Latitude: 56 46.2 Longitude: 164 20.28
UTC Time: _____ Local Time: 9:30 pm
Power on when in water? Yes
CTD sampling? Yes ECOpuck sampling? Yes
Start flight software? Yes Flight software logging? Yes
AcrobatGUI started? Yes AcrobatGUI logging? Yes
Cable payout: 175 Payout set on software? Yes
Winch dogged? Yes

RECOVERY:

Winch brake released? Yes
Power off on deck box? Yes AcrobatGUI closed? Yes
Latitude: 56 54.07 Longitude: 164 418.36
UTC Time: _____ Local Time: Start e 00:04 12:08

NOTES:

1st deployment - running for archileon deck in preparation.

7.05 8knots
wing up ^5
dwn i8

upper
~8m
lower
~60m

max depth ~
Appx.
11 hr 10m

10:48LT
@70m3

DY1704 - 70m 7

ACROBAT LOG

Cruise: DY1704 Ship: Dyson
Deployment #: II Date: 4/28/17
Name: H.Tabisola

PREDEPLOYMENT CHECKS:

Deck box and computers connected? Yes
Connectors tight? Yes Tow cable secured? Yes
Remove CTD plug? Yes Remove Triplet cover? Yes

DEPLOYMENT:

Latitude: 57 00.02 Longitude: 105 23.78
UTC Time: _____ Local Time: 4:40 am
Power on when in water? Yes
CTD sampling? Yes ECOpuck sampling? Yes
Start flight software? Yes Flight software logging? Yes
AcrobatGUI started? Yes AcrobatGUI logging? Yes
Cable payout: 175 Payout set on software?
Winch dogged? Yes



RECOVERY:

Winch brake released? Yes
Power off on deck box? Yes AcrobatGUI closed? Yes
Latitude: _____ Longitude: _____
UTC Time: _____ Local Time: _____

NOTES:

- 4:49 - lost all ^{visual} control of Acrobat, began long / <100m lines
as soon in auto pilot, w/ loss of control

- data worked just fine
- dyson to a complete stop for retrieval

* data file stopped at ~~4:54~~ 4:54 tK
* Acrobat @ 4:56

→ sprayed end w/ DI H₂O, 1 metal pin broken, 1 metal pin corrosive ←

* recovered and data connection cable was unplugged, it had pulled from the red secure cap. Connection was double checked before launch.

Cruise #: **DY17041**

Oxygen Sample Logsheet
Page 2 of 2 for 4/30-5/1 2017

Date: **5/1/17**
Standard #: **A17-1**
Thio Temp: **21.2**

R1	R2
Standards:	869.14
	870.64
	869.83

Blanks:	89.83	80.33
	85.57	80.83
	85.57	81.08

Sample Date	Cast/Date	Niskin/Time	Bottle #	Vol. Reg.	End Point	Comments
1 4/28/17	012	4	352	2	1216.29	
2 4/28/17	013	7	353	2	1617.52	
3 4/28/17	014	1	355	2	1230.60	
4 4/28/17	15	7	356	2	1607.17	
5 4/29/17	24	1	360	2	1283.84	
6 4/29/17	26	2	361	2	1295.99	
7 4/29/17	26	9	362	2	1722.30	
8 4/29/17	25	7	363	2	1719.82	
9 4/30/17	30	2	364	2	1214.68	
10 4/30/17	30	6	365	2	—	Did not titrate - analyzer failure
11 4/30/17	29	1	366	2	1246.10	
12 4/30/17	28	7	367	2	1740.75	
13						
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21						
22						
23						
24						
25						

Oxygen Sample Logsheet

Cruise #:

DY1704

Date:	5/3/2017
Standard #:	8117-1
Thio Temp:	22.0

Standards:	869.86	R1
	869.21	
	271.07	
	868.80	

Sample Date	Cast/Date	Niskin/Time	Bottle #	Vol. Reg.	End Point	Comments
1 5/1/2017	031	1	037	2	807.32	
2 5/3/2017	035	11	100	2	1255.19	
3 5/3/2017	035	10	107	2	1225.63	
4 5/3/2017	035	9	150	2	1137.68	
5		8	161	2	1060.25	
6		7	168	2	1025.31	
7		6	172	2	1000.10	
8		5	175	2	984.01	
9		4	181	2	925.55	
10		3	197	2	152.06	
11		2	209	2	63.42	
12		1	215	2	14.07	
13 5/3/2017	036	3	230	2	117.98	
14 5/3/2017	037	2	241	2	1079.96	
15 5/3/2017	038	1	263	2	112.98	
16 5/3/2017	039	11	265	2	1172.02	
17						
18						
19						
20						
21						
22						
23						
24						
25						

Cruise #: DY1704Oxygen Sample Logsheet
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Date: 5/8/2017
 Standard #: A17-1
 Thio Temp: 22
21.7

Standards: 869.83
869.00
874.33

R1	R2

Sample Date	Cast/Date	Niskin/Time	Bottle #	Vol. Reg.	End Point	Comments
1 <u>5/4/2017</u>	<u>40</u>	<u>11</u>	<u>263</u>	<u>2</u>	<u>1466.99</u>	
2 <u>May 4/2017</u>	<u>10</u>	<u>10</u>	<u>265</u>	<u>2</u>	<u>1473.54</u>	
3		<u>9</u>	<u>277</u>	<u>2</u>	<u>1454.67</u>	
4		<u>8</u>	<u>285</u>	<u>2</u>	<u>1428.76</u>	
5		<u>7</u>	<u>286</u>	<u>2</u>	<u>1487.69</u>	
6		<u>6</u>	<u>288</u>	<u>2</u>	<u>1491.60</u>	
7		<u>5</u>	<u>289</u>	<u>2</u>	<u>1366.72</u>	
8		<u>4</u>	<u>291</u>	<u>2</u>	<u>1202.34</u>	
9		<u>3</u>	<u>292</u>	<u>2</u>	<u>1191.08</u>	
10		<u>2</u>	<u>293</u>	<u>2</u>	<u>1142.56</u>	
11		<u>1</u>	<u>346</u>	<u>2</u>	<u>1176.35</u>	
12 <u>May 5/2017</u>	<u>41</u>	<u>1</u>	<u>351</u>	<u>2</u>	<u>1067.31</u>	
13 <u>5/may/2017</u>	<u>42</u>	<u>7</u>	<u>352</u>	<u>2</u>	<u>1288.76</u>	<u>10 m sample</u>
14 <u>5/may/2017</u>	<u>43</u>	<u>1</u>	<u>353</u>	<u>2</u>	<u>1216.98</u>	
15 <u>5/may/2017</u>	<u>44</u>	<u>1</u>	<u>356</u>	<u>2</u>	<u>1267.59</u>	<u>CO₂</u>
16 <u>5/may/2017</u>	<u>44</u>	<u>3</u>	<u>355</u>	<u>2</u>	<u>1202.11</u>	<u>CO₂</u>
17 <u>5/may/2017</u>	<u>45</u>	<u>5</u>	<u>032</u>	<u>2</u>	<u>1270.89</u>	
18 <u>5/may/2017</u>	<u>46</u>	<u>2</u>	<u>100</u>	<u>2</u>	<u>1231.56</u>	<u>CO₂</u>
19 <u>5/may/2017</u>	<u>46</u>	<u>8</u>	<u>107</u>	<u>2</u>	<u>1207.94</u>	<u>CO₂</u>
20 <u>5/may/2017</u>	<u>46</u>	<u>4</u>	<u>150</u>	<u>2</u>	<u>1222.88</u>	<u>CO₂</u>
21 <u>5/may/2017</u>	<u>47</u>	<u>1</u>	<u>161</u>	<u>2</u>	<u>1207.94</u>	
22						<u>1019.91</u>
23 <u>5/may/2017</u>	<u>48</u>	<u>9</u>	<u>168</u>	<u>2</u>	<u>1175.11</u>	
24 <u>5/may/2017</u>	<u>49</u>	<u>10</u>	<u>172</u>	<u>2</u>	<u>1149.82</u>	<u>CO₂</u>
25 <u>5/may/2017</u>	<u>49c</u>	<u>5</u>	<u>175</u>	<u>2</u>	<u>1059.05</u>	<u>CO₂</u>

Cruise #:

DY17C4

Oxygen Sample Logsheet
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5/8/2017
AZ-1
21.8

Standards:

	R1	R2

Blanks:

R2

Blanks:

Sample Date	Cast/Date	Niskin/Time	Bottle #	Vol. Reg.	End Point	Comments
1 May 6, 2017	50	1	181	2	147.10	
2 May 6, 2017	51	10	197	2	1132.56	
3 May 6, 2017	52	4	209	2	1030.71	
4		6	215	2	1101.62	
5		9	220	2	1202.78	
6 May 6, 2017	53	5	241	2	1130.52	No water in sand
7 May 6, 2017	54	10	359	2	1205.39	
8 May 6, 2017	55	1	360	2	911.82	
9 May 6, 2017	56	9	361	2	1150.13	
10 May 6, 2017	57	1	362	2	1121.67	
11 May 7, 2017	58	4	363	2	918.08	
12 May 7, 2017	59	2	364	2	115.07	
13 May 7, 2017	60	11	365	2	1060.92	
14 May 7, 2017	61	3	366	2	148.97	
15 May 7, 2017	62	11	367	2	1174.09	
16 May 7, 2017	63	1	368	2	152.52	
17 May 7, 2017	64	11	369	2	1214.04	
18 May 8, 2017	65	1	370	2	91.24	
19 May 8, 2017	66	4	371	2	913.54	
20 May 8, 2017	67	4	372	2	1224.67	
21						
22						
23						
24						
25						