

VESSEL NOAAS Oscar Dyson		CRUISE ID DY1405		PROJECT & LEG Eco-FOCI Spring Mooring Cruise		STATION NO. 001	
CONSC CAST #		LATITUDE		LONGITUDE		DATE	
01	54.41.24 N	166.14.09 W	07 MAY 14	0847	3.274	14	33211
SBE 9+ 0291		FLUOR S/N FLUJ0270		TIME (GMT) 0847		TEMP 3.274	
PRESS SN 2376		SBE43-Oxy (prime) 0904		Relative Humidity (%)		PRESSURE (mb)	
POT TEMP SN 4339		SBE43-Oxy (sec) 0910		SEA STATE		VISIBILITY	
SEC TEMP SN 2985		Transmissometer 4403		WIND DIRN. (deg)		WIND SPD. (kts)	
POT COND SN 3123		PAR S/N FUT020-2052		CLOUD (amt)		TYPE	
SEC COND SN 3123		FUT020-2052		WEATHER		BOTTOM DEPTH (m)	
REMARKS CTD stopped @ 100 meters for 25 min while trying to fix wind readout		MAX DEPTH = 284 m		STA. NAME/ID			
No. DEPTH		Rosette Notes		Hydro Team-PHEL		Comments	
No.	DEPTH	SALT	Nut. Bot	O2-B/L No	Chloro-l		
1	Bot	31					
2	200	32					
3	100	33					
4	75	34					
5	50	35			281		
6	40	36			288		
7	30	37			285		
8	20	38			281		
9	10	39			283		
10	0	40			283		
11							
12							

40-PAZ

[illegible]

VESSEL NOAAS Oscar Dyson		CRUISE ID DY1405		PROJECT & LEG Eco-FOCI Spring Mooring Cruise		STATION NO. 023	
CONSC CAST #		LATITUDE		LONGITUDE		DATE	
023		37 N		66 02.25 W		07 MAY 14	
DEG MIN		DEG MIN		DAY MO YR		TIME (GMT)	
54 28		37		07		12 57	
SEC		SEC		HR		MIN	
00		00		12		57	
SBE 9+		FLUOR S/N		DRY BULB (°C)		Relative Humidity (°C)	
PRESS SN		SBE43-Oxy (prime)		3.7		76.	
PRI TEMP SN		SBE43-Oxy (sec)		PRESSURE (mb)		15	
SEC TEMP SN		Transmissometer		SEA STATE		VISIBILITY	
PRI COND SN		PAR S/N		WIND DIRN. (deg)		WIND SPD. (kts)	
SEC COND SN				31		7	
				CLOUD (amt)		TYPE	
				WEATHER		BOTTOM DEPTH (m)	
						536	
						STA. NAME/ID	
						U402	
						MAX DEPTH = 531 m	
Nis		Rosette Notes		Hydro Team-PHEL		REMARKS	
No.		DEPTH DESIRED		SALT		Nut.Btl	
1		Bot		51		102	
2		300		52			
3		150		53			
4		75		54			
5		50		55			
6		40		56			
7		30		57			
8		20		58			
9		10		59			
10		0		60			
11							
12							
Nis		Comments		Chloro-I			
No.							
1							
2							
3							
4							
5							
6							
7							
8							
9							
10							
11							
12							

VESSEL		CRUISE ID		PROJECT & LEG		STATION NO.																											
NOAAS Oscar Dyson		DY1405		Eco-FOCI Spring Mooring Cruise		004																											
CONSC CAST #		LATITUDE		LONGITUDE		DATE		TIME (GMT)		DRY BULB		Relative Humidity		PRESSURE		SEA STATE		VISIBILITY		WIND DIRN		WIND SPD		CLOUD (amt)		TYPE		WEATHER		BOTTOM DEPTH		STA. NAME/ID	
		DEG MIN		DEG MIN		DAY MO YR		HR MIN		(°C)		(°C)		(mb)		*		(deg)		(kts)		*		*		*		(m)					
00415421.38N16655.61W07MAY1415132.789.1527812457UB01																																	
SBE 9+ FLUOR S/N																																	
PRESS SN																																	
PRI TEMP SN																																	
SEC TEMP SN																																	
PRI COND SN																																	
SEC COND SN																																	
REMARKS																																	
MAX. DEPTH = 457 m																																	
MS		Rosette Notes		Hydro Team-PWEL		Chloro-I		Comments		MS																							
No.		DEPTH		SALT		Nut.Bel		O2.Bel		No.																							
1		Bot				61				1																							
2		200				62				2																							
3		100				63				3																							
4		75				64				4																							
5		50				65				5																							
6		40				66				6																							
7		30				67				7																							
8		20				68				8																							
9		10				69				9																							
10		0				70		179		10																							
11										11																							
12										12																							

[illegible]

VESSEL NOAAS Oscar Dyson				CRUISE ID DY1405				PROJECT & LEG Eco-FOCI Spring Mooring Cruise				STATION NO. 006																					
CONSC CAST # 5422-49		LATITUDE 16516.67		LONGITUDE 05/07/14		DATE		TIME (GMT)		DRY BULB		Relative Humidity		PRESSURE		SEA STATE		VISIBILITY		WIND DIRN. SPD.		WIND		CLOUD (amt)		TYPE		WEATHER		BOTTOM DEPTH		STA. NAME/ID	
065422.49 N		16516.67 W		05/07/14		05/07/14		20 21		3.8		83.1		16		3		14		16		16		16		16		16		16		16	
SBE 9+		FLUOR S/N		SBE43-Oxy (prime)		SBE43-Oxy (sec)		Transmissometer		PAR S/N		SEC COND SN		SBE43-Oxy (prime)		SBE43-Oxy (sec)		Transmissometer		PAR S/N		SEC COND SN		SBE43-Oxy (prime)		SBE43-Oxy (sec)		Transmissometer		PAR S/N		SEC COND SN	
PRESS SN		FLUOR S/N		SBE43-Oxy (prime)		SBE43-Oxy (sec)		Transmissometer		PAR S/N		SEC COND SN		SBE43-Oxy (prime)		SBE43-Oxy (sec)		Transmissometer		PAR S/N		SEC COND SN		SBE43-Oxy (prime)		SBE43-Oxy (sec)		Transmissometer		PAR S/N		SEC COND SN	
PRI TEMP SN		FLUOR S/N		SBE43-Oxy (prime)		SBE43-Oxy (sec)		Transmissometer		PAR S/N		SEC COND SN		SBE43-Oxy (prime)		SBE43-Oxy (sec)		Transmissometer		PAR S/N		SEC COND SN		SBE43-Oxy (prime)		SBE43-Oxy (sec)		Transmissometer		PAR S/N		SEC COND SN	
SEC TEMP SN		FLUOR S/N		SBE43-Oxy (prime)		SBE43-Oxy (sec)		Transmissometer		PAR S/N		SEC COND SN		SBE43-Oxy (prime)		SBE43-Oxy (sec)		Transmissometer		PAR S/N		SEC COND SN		SBE43-Oxy (prime)		SBE43-Oxy (sec)		Transmissometer		PAR S/N		SEC COND SN	
PRI COND SN		FLUOR S/N		SBE43-Oxy (prime)		SBE43-Oxy (sec)		Transmissometer		PAR S/N		SEC COND SN		SBE43-Oxy (prime)		SBE43-Oxy (sec)		Transmissometer		PAR S/N		SEC COND SN		SBE43-Oxy (prime)		SBE43-Oxy (sec)		Transmissometer		PAR S/N		SEC COND SN	
SEC COND SN		FLUOR S/N		SBE43-Oxy (prime)		SBE43-Oxy (sec)		Transmissometer		PAR S/N		SEC COND SN		SBE43-Oxy (prime)		SBE43-Oxy (sec)		Transmissometer		PAR S/N		SEC COND SN		SBE43-Oxy (prime)		SBE43-Oxy (sec)		Transmissometer		PAR S/N		SEC COND SN	
NIS No.		Rosette Notes		SALT		Nut.Brd		02-Btl No		Chloro-I		Comments		NIS No.		Rosette Notes		SALT		Nut.Brd		02-Btl No		Chloro-I		Comments		NIS No.		Rosette Notes		SALT	
1 85		159		81		82		83		84		85		86		87		88		89		266		✓		✓		✓		✓		✓	
2 100		99		82		83		84		85		86		87		88		89		266		✓		✓		✓		✓		✓		✓	
3 75		75		83		84		85		86		87		88		89		266		✓		✓		✓		✓		✓		✓		✓	
4 50		51		84		85		86		87		88		89		266		✓		✓		✓		✓		✓		✓		✓		✓	
5 40		40		85		86		87		88		89		266		✓		✓		✓		✓		✓		✓		✓		✓		✓	
6 30		30		86		87		88		89		266		✓		✓		✓		✓		✓		✓		✓		✓		✓		✓	
7 20		20		87		88		89		266		✓		✓		✓		✓		✓		✓		✓		✓		✓		✓		✓	
8 10		11		88		89		266		✓		✓		✓		✓		✓		✓		✓		✓		✓		✓		✓		✓	
9 0		2		89		266		✓		✓		✓		✓		✓		✓		✓		✓		✓		✓		✓		✓		✓	
10																																	
11																																	
12																																	

assume primary oxygen is correct
secondary 80 lower

NNN

VESSEL NOAAS Oscar Dyson				CRUISE ID DY1405				PROJECT & LEG Eco-FOCI Spring Mooring Cruise				STATION NO. 007																					
CONSC CAST #		LATITUDE		LONGITUDE		DATE		TIME (GMT)		DRY BULB		Relative Humidity		PRESSURE		SEA STATE		VISIBILITY		WIND DIR.		WIND SPD.		CLOUD (amt)		TYPE		WEATHER		BOTTOM DEPTH		STA. NAME/ID	
007		54 25.22 N		165 58.53 W		07 MAY 14		21 25		3.9		82		17		*		308		16		*		*		*		135		0052			
SBE 9+				FLUOR S/N																										MAX. DEPTH = 129 m			
PRESS SN				SBE43-Oxy (prime)																													
PRT TEMP SN				SBE43-Oxy (sec)																													
SEC TEMP SN				Transmissometer																													
PRT COND SN				PAR S/N																													
SEC COND SN																																	
N/S		DEPTH		Rosette Notes		Hydro Team-PWEL		Chloro-I																									
No.		DESIRED				SALT		Nut.Btl		O2-Btl.No																							
1		BTM		129				90		224																							
2		100		101				91																									
3		75		75				92																									
4		50		51				93																									
5		40		41				94																									
6		30		31				95																									
7		20		22				96																									
8		10		10		4		97																									
9		0		2				98																									
10																																	
11																																	
12																																	

oops, didn't change cast # in event log
logged as 006

NMM

VESSEL NOAAS Oscar Dyson		CRUISE ID DY1405		PROJECT & LEG Eco-FOCI Spring Mooring Cruise		STATION NO. 008												
CONSEC #	LATITUDE	LONGITUDE		DATE		TIME (GMT)	DRY BULB	Relative Humidity	PRESSURE	SEA STATE	VISIBILITY	WIND DIRN.	WIND SPD.	CLOUD (amt)	TYPE	WEATHER	BOTTOM DEPTH	STA. NAME/ID
0085426	26 N	16458 W		07 MAY 14		2007	4.1	81	17			328	15				56	UBS1
SBE 9+ _____ FLUOR S/N _____ PRESS SN _____ SBE 43-Oxy (prime) _____ PRI TEMP SN _____ SBE 43-Oxy (sec) _____ SEC TEMP SN _____ Transmissometer _____ PRI COND SN _____ PAR S/N _____ SEC COND SN _____																		
REMARKS																		
NIS No. DESIRED Rosette Notes SALT Hydro Team-PWEL Nut.Btl ID2-Btl No. Choro-I Comments NIS No.																		
1	BSM	47		99			✓											1
2	30	32		100			✓											2
3	20	21		161			✓											3
4	10	10		162			✓											4
5	0	2		163	127		✓											5
6																		6
7																		7
8																		8
9																		9
10																		10
11																		11
12																		12

UW

136874

VESSEL NOAAS Oscar Dyson		CRUISE ID DY1405		PROJECT & LEG Eco-FOCI Spring Mooring Cruise		STATION NO. 009																											
CONSC CAST #		LATITUDE		LONGITUDE		DATE		TIME (GMT)		DRY BULB		Relative Humidity		PRESSURE		SEA STATE		VISIBILITY		WIND DIRN.		WIND SPD.		CLOUD (amt)		TYPE		WEATHER		BOTTOM DEPTH		STA. NAME/ID	
009		54 17.91 N		164 44.31 W		08 MAY 14		0136		4.0		83.		17				3.3		20								84		0234			
SBE 9+				FLUOR S/N																										MAX DEPTH = 77 m			
PRESS SN				SBE43-Oxy (prime)																													
PRT TEMP SN				SBE43-Oxy (sec)																													
SEC TEMP SN				Transducer																													
PRT COND SN				PAR S/N																													
SEC COND SN																																	
NIS		Rosette Notes		Hydro Team-PHEL																													
No.		DEPTH		SALT		Nut.Btl		02-Btl No																									
No.		DESIRED								Chloro-l																							
1		BTM		77		5		104		219																							
2		50		50				105																									
3		40		40				106																									
4		30		30				107																									
5		20		20				108																									
6		10		10				109																									
7		0						110																									
8																																	
9																																	
10																																	
11																																	
12																																	

No Chl

NNA

VESSEL		CRUISE ID		PROJECT & LEG		STATION NO.														
NOAAS Oscar Dyson		DY1405		Eco-FOCI Spring Mooring Cruise		010														
CONSC CAST #	LATITUDE		LONGITUDE		DATE		TIME (GMT)	DRY BULB	Relative Humidity	PRESSURE	SEA STATE	VISIBILITY	WIND DIRN.	WIND SPD.	CLOUD (amt)	TYPE	WEATHER	BOTTOM DEPTH	STA. NAME/ID	
010	54.42	93 N	164.47	04 W	06	MAY	14	0506	4.5	76	19		298	11				47	DBE1	
SBE 9+ _____ FLUOR S/N _____ PRESS SN _____ SBE43-Oxy (prime) _____ PRI TEMP SN _____ SBE43-Oxy (sec) _____ SEC TEMP SN _____ Transmissometer _____ PRI COND SN _____ PAR S/N _____ SEC COND SN _____																				
REMARKS																				
MAX. DEPTH = 38 m																				
NIS No.	DEPTH DESIRED	Rosette Notes	Hydro Team: PMEL		SALT		Nut. Btl	O2-Btl No	Chloro-I	Comments										NIS No.
1	BTM	41								broken										1
2	30	31																		2
3	20	20																		3
4	10	10																		4
5	0	3						115	088											5
6																				6
7																				7
8																				8
9																				9
10																				10
11																				11
12																				12

Alby opened a new file on the event logger
 so there might be some events under 003+ 004 file under

VESSEL NOAAS Oscar Dyson		CRUISE ID DY1405		PROJECT & LEG Eco-FOCI Spring Mooring Cruise		STATION NO. 011	
CONSC CAST #		LATITUDE		LONGITUDE		DATE	
011		54 49.53 N		164 53.47 W		08 MAY 14	
SBE 9+		DEG MIN		DEG MIN		TIME (GMT)	
PRESS SN		SBE43-Oxy (prime)		SBE43-Oxy (sec)		06 18	
PRT TEMP SN		SBE43-Oxy (sec)		Transmissometer		4.1	
SEC TEMP SN		PAR S/N		FLUOR S/N		8.6	
PRT COND SN		REMARKS		DRY BULB		PRESSURE	
SEC COND SN				(°C)		(mb)	
				Relative Humidity		SEA STATE	
				(°C)		VISIBILITY	
						(deg)	
						(kts)	
						WIND DIRN, SPD.	
						CLOUD (amt)	
						TYPE	
						WEATHER	
						BOTTOM DEPTH	
						(m)	
						STA. NAME/ID	
						74 UGSEA	
						MAX DEPTH = 67.5 m	

N/S No.	DEPTH DESIRED	Rosette Notes	Hydro Team-PVEL		Chloro-I	Comments	N/S No.
			SALT	Nut.Btl			
1	BTM	71		116	222		1
2	50	51		117			2
3	40	39		118			3
4	30	30		119			
5	20	19		120			
6	10	10		121			
7	0	2	6	122			
8							8
9							9
10							10
11							11
12							12



[illegible]

VESSEL NOAAS Oscar Dyson		CRUISE ID DY1405		PROJECT & LEG Eco-FOCI Spring Mooring Cruise		STATION NO. 013	
CONSC CAST #		LATITUDE		LONGITUDE		DATE	
613	5502	89	N	1505	92	W	08 MAY 14
SBE 9+		FLUOR S/N		TIME (GMT)		TIME (GMT)	
PRESS SN		SBE43-Oxy (prime)		DRY BULB		Relative Humidity	
PRI TEMP SN		SBE43-Oxy (sec)		PRESSURE		SEA STATE	
SEC TEMP SN		Transmissometer		VISIBILITY		WIND DIRN.	
PRI COND SN		PAR S/N		WIND SPD.		CLOUD (amt)	
SEC COND SN				TYPE		WEATHER	
				BOTTOM DEPTH		STA. NAME/ID	
				112		U8M6	
				MAX. DEPTH = 106 m			
N/S DEPTH		Rosette Notes		Hydro Team-PWEL		Comments	
N/S No.	DEPT	SALT	Nut.Bt	O2-Bt/No	Chlor-a		
1	Bot	7	131	243			
2	75		132				
3	50		133		281		
4	40		134		282		
5	30		135		285		
6	20		136		281		
7	10		137		283		
8	0		138		283		
9							
10							
11							
12							

VESSEL		CRUISE ID		PROJECT & LEG		STATION NO.														
NOAAS Oscar Dyson		DY1405		Eco-FOCI Spring Mooring Cruise		014														
CONSC CAST #	LATITUDE		LONGITUDE		DATE		TIME (GMT)	DRY BULB	Relative Humidity	PRESSURE	SEA STATE	VISIBILITY	WIND DIRN.	WIND SPD.	CLOUD (amt)	TYPE	WEATHER	BOTTOM DEPTH	STA. NAME/ID	
0145439	DEG	MIN	DEG	MIN	DAY	MO	YR	HR	MIN	(°C)	(°C)	(mb)	(deg)	(kts)	*	*	*	(m)	014	
																		116	UBMS	
SBE 9+ _____ FLUOR S/N _____ PRESS SN _____ SBE43-Oxy (prime) _____ PRI TEMP SN _____ SBE43-Oxy (sec) _____ SEC TEMP SN _____ Transmissometer _____ PRI COND SN _____ PAR S/N _____ SEC COND SN _____																				
REMARKS																				
MAX. DEPTH = 109 m																				
NIS No.	DEPTH DESIRED	Rosette Notes		Hydro Team-PWEL		SALT		Mult.Btl	O2-Btl No	Chloro-I	Comments									NIS No.
1	Bot																			1
2	100																			2
3	75																			3
4	50																			4
5	40																			5
6	30																			6
7	20																			7
8	10																			8
9	0																			9
10																				10
11																				11
12																				12

VESSEL						CRUISE ID						PROJECT & LEG						STATION NO.																		
NOAAS Oscar Dyson						DY1405						Eco-FOCI Spring Mooring Cruise																								
CONSC CAST #			LATITUDE			LONGITUDE			DATE			TIME (GMT)		DRY BULB		Relative Humidity		PRESSURE		SEA STATE		VISIBILITY		WIND DIRN, SPD.		CLOUD (amt)		TYPE		WEATHER		BOTTOM DEPTH		STA. NAME/ID		
#			DEG MIN			DEG MIN			DAY MO YR			HR MIN		(°C)		(°C)		(mb)		*		*		(deg)		(kts)		*		*		(m)				
015			54.55			88 N			66.528 W			35 MAY 14			1152		3.89		1.19		*		*		267		16		*		*		125		UBM4	
REMARKS																																				
SBF 9+ _____ F-LUOR S/N _____																																				
PRESS SN _____ SBEL3-Oxy (prime) _____																																				
PRI TEMP SN _____ SBEL3-Oxy (sec) _____																																				
SEC TEMP SN _____ Transmissometer _____																																				
PRI COND SN _____ PAR S/N _____																																				
SEC COND SN _____																																				
NIS No.		DEPTH DESIRED		Rosette Notes		SALT		Nut.Bt		O2-Bt/LNo		Chloro-I		Comments																NIS No.						
1		Bot																												1						
2		100																												2						
3		75																												3						
4		50										281																		4						
5		40										282																		5						
6		30										285																		6						
7		20										281																		7						
8		10										283																		8						
9		0										283																		9						
10																														10						
11																														11						
12																														12						

[illegible]

VESSEL		CRUISE ID		PROJECT & LEG		STATION NO.																																																																																																																																																																																																																																																																															
NOAAS Oscar Dyson		DY1405		Eco-FOCI Spring Mooring Cruise		017																																																																																																																																																																																																																																																																															
CONSC CAST #	LATITUDE		LONGITUDE		DATE		TIME (GMT)	DRY BULB	Relative Humidity	PRESSURE	SEA STATE	VISIBILITY	WIND DIRN.	WIND SPD.	CLOUD (amt)	TYPE	WEATHER	BOTTOM DEPTH	STA. NAME/ID																																																																																																																																																																																																																																																																		
0175148	75°N	165°51'W	31°W	08 MAY 14	1429	3.8	89	20	27	316								164	U0112																																																																																																																																																																																																																																																																		
SBE 9+ _____ FILLOR S/N _____ PRESS SN _____ SBE43-Oxy (prime) _____ PRI TEMP SN _____ SBE43-Oxy (sec) _____ SEC TEMP SN _____ Transmissometer _____ PRI COND SN _____ PAR S/N _____ SEC COND SN _____																																																																																																																																																																																																																																																																																					
REMARKS																																																																																																																																																																																																																																																																																					
MAX. DEPTH = 152 m																																																																																																																																																																																																																																																																																					
<table border="1"> <thead> <tr> <th rowspan="2">NIS No.</th> <th rowspan="2">DEPTH DESIRED</th> <th rowspan="2">Rosette Notes</th> <th colspan="2">Hydro Team-PWEL</th> <th rowspan="2">Chloro-I</th> <th colspan="10">Comments</th> <th rowspan="2">NIS No.</th> </tr> <tr> <th>SALT</th> <th>Nut. Btl</th> <th>O2-Btl No</th> <th></th><th></th><th></th><th></th><th></th><th></th><th></th><th></th><th></th><th></th> </tr> </thead> <tbody> <tr> <td>1</td> <td>80</td> <td></td> <td>9</td> <td>146</td> <td>264</td> <td></td> <td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td> <td>1</td> </tr> <tr> <td>2</td> <td>100</td> <td></td> <td></td> <td>167</td> <td></td> <td></td> <td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td> <td>2</td> </tr> <tr> <td>3</td> <td>75</td> <td></td> <td></td> <td>168</td> <td></td> <td></td> <td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td> <td>3</td> </tr> <tr> <td>4</td> <td>50</td> <td></td> <td></td> <td>169</td> <td></td> <td>281</td> <td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td> <td>4</td> </tr> <tr> <td>5</td> <td>40</td> <td></td> <td></td> <td>170</td> <td></td> <td>282</td> <td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td> <td>5</td> </tr> <tr> <td>6</td> <td>30</td> <td></td> <td></td> <td>171</td> <td></td> <td>283</td> <td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td> <td>6</td> </tr> <tr> <td>7</td> <td>20</td> <td></td> <td></td> <td>172</td> <td></td> <td>281</td> <td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td> <td>7</td> </tr> <tr> <td>8</td> <td>10</td> <td></td> <td></td> <td>173</td> <td></td> <td>283</td> <td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td> <td>8</td> </tr> <tr> <td>9</td> <td>0</td> <td></td> <td></td> <td>174</td> <td></td> <td>283</td> <td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td> <td>9</td> </tr> <tr> <td>10</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td> <td>10</td> </tr> <tr> <td>11</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td> <td>11</td> </tr> <tr> <td>12</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td> <td>12</td> </tr> </tbody> </table>																				NIS No.	DEPTH DESIRED	Rosette Notes	Hydro Team-PWEL		Chloro-I	Comments										NIS No.	SALT	Nut. Btl	O2-Btl No											1	80		9	146	264													1	2	100			167														2	3	75			168														3	4	50			169		281												4	5	40			170		282												5	6	30			171		283												6	7	20			172		281												7	8	10			173		283												8	9	0			174		283												9	10																		10	11																		11	12																		12
NIS No.	DEPTH DESIRED	Rosette Notes	Hydro Team-PWEL		Chloro-I	Comments										NIS No.																																																																																																																																																																																																																																																																					
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VESSEL NOAAS Oscar Dyson		CRUISE ID DY1405		PROJECT & LEG Eco-FOCI Spring Mooring Cruise		STATION NO. 018	
CONSC CAST # 54.75193		LONGITUDE 166.04849		DATE 08 MAY 14		TIME (GMT) 1610	
LATITUDE 12.12 N		DEG MIN		DAY MO YR		DRY BULB (°C) 4.28	
DEG MIN		DEG MIN		HR MIN		RELATIVE HUMIDITY (°C) 87%	
0185445.12 N		16602.91 W		08 MAY 14		PRESSURE (mb) 20	
SBE 9+		FLUOR S/N		REMARKS		SEA STATE *	
PRESS SN		SBE43-Oxy (prime)		WIND DIRN (deg) 254		WIND SPD (kts) 18	
PRT TEMP SN		SBE43-Oxy (sec)		WIND CLOUD (amt) *		TYPE *	
SEC TEMP SN		Transmissometer		WEATHER *		BOTTOM DEPTH (m) 221	
PRT COND SN		PAR S/N		STA. NAME/ID UBN1		MAX. DEPTH = 217 m	
SEC COND SN							
N/S DEPTH		Rosette Notes		Hydro Team-P&EL		Chloro-I	
No. DESIRED		SALT		Nut.Btl		O2-Btl.No	
1 B&T 815				175			
2 150				176			
3 160				177			
4 75				178			
5 50				179			
6 40				180			
7 30				181			
8 20				182			
9 10				183		282	
10 0				184			
11							
12							
N/S No.		Comments		N/S No.		N/S No.	
1				1		1	
2				2		2	
3				3		3	
4				4		4	
5				5		5	
6				6		6	
7				7		7	
8				8		8	
9				9		9	
10				10		10	
11				11		11	
12				12		12	

019

VESSEL		CRUISE ID		PROJECT & LEG		STATION NO.											
NOAAS Oscar Dyson		DY1405		Eco-FOCI Spring Mooring Cruise		14-B5M-2A											
CONSC CAST #	LATITUDE	LONGITUDE	DATE	TIME (GMT)	DRY BULB	Relative Humidity	PRESSURE	SEA STATE	VISIBILITY	WIND DIRN.	WIND SPD.	CLOUD (amt)	TYPE	WEATHER	BOTTOM DEPTH	STA. NAME/ID	
195652	22°N	164°02'W	09 MAY 14	0920	3.8	91	23			247	11				72		
REMARKS																	
Post Deploy CTD at B5M-2A																	
CTD at depth off by ~2 minutes																	
MAX. DEPTH = 61 m																	
SEC 3+	FLUOR S/N	SEC43-Oxy (prime)	SEC43-Oxy (sec)	Transmissometer	PAR S/N												
PRESS SN																	
PRI TEMP SN																	
SEC TEMP SN																	
PRI COND SN																	
SEC COND SN																	
Nis	DEPTH	Rosette Notes	Hydro Team PMEL	Chloro-I	Comments												
No.	DESIRED	SALT	Nut. Bl	02-BU.No	DIC												
1	61		183, 186, 187			Imprecise results for 1505											
2	24	10			281												
3	24				283												
4	24				285												
5	13				281												
6	13				283B												
7	13				283A												
8	0			279, 280, 281	✓✓✓	DIC for bottom of bottom for 1505											
9	0		188, 189, 190														
10																	
11																	
12																	

[illegible]

[illegible]

VESSEL		CRUISE ID		PROJECT & LEG		STATION NO.																
NOAAS Oscar Dyson		DY1405		Eco-FOCI Spring Mooring Cruise		021																
CONSC CAST #	DEG	MIN	LATITUDE	DEG	MIN	LONGITUDE	DATE	TIME (GMT)	DRY BULB	Relative Humidity	PRESSURE	SEA STATE	VISIBILITY	WIND DIRN.	WIND SPO.	CLOUD (amt)	TYPE	WEATHER	BOTTOM DEPTH	STA. NAME/ID		
022	56	56	52 N	163	49	49 W	09 MAY 14	1448	3.8	91	23	*	*	233	6	*	*	*	70	MRE		
SBE 9+				FLUOR S/N			REMARKS														MAX DEPTH =	64 m
PRESS SN				SBE43-Oxy (prime)																		
PRI TEMP SN				SBE43-Oxy (sec)																		
SEC TEMP SN				Transmissometer																		
PRI COND SN				PAR S/N																		
SEC COND SN																						
Nis	DEPTH	Rosette Notes	Hydro Team-PWEL	Chloro-l	4ug	Comments	Nis															
No.	DESIRED	SALT	Nut.Bel	O2-Bel.No			No.															
1	8.4		205	290			1															
2	50		206				2															
3	40		207				3															
4	30		208				4															
5	20		209				5															
6	10		210				6															
7	0		211				7															
8							8															
9							9															
10							10															
11							11															
12							12															

VESSEL						PROJECT & LEG						STATION NO.																							
NOAAS Oscar Dyson						DVI 405						Eco-FOCI Spring Mooring Cruise																							
CONSC CAST #			LATITUDE			LONGITUDE			DATE			TIME (GMT)		DRY BULB		Relative Humidity		PRESSURE		SEA STATE		VISIBILITY		WIND DIRN		WIND SPD		CLOUD (amt)		WEATHER		BOTTOM DEPTH		STA NAME/ID	
	DEG	MIN		DEG	MIN		DAY	MO	YR	HR	MIN	(°C)	(%)	(mb)	*	*	(deg)	(kts)	*	*	*	*	(m)												
0235640	00	N	163519	5	W	09	MAY	14			1658	41.39	3	25			23	8					75												
SBE 9+			FLUOR S/N																																
PRESS SN			SBE43-Oxy (prime)																																
PRI TEMP SN			SBE43-Oxy (sec)																																
SEC TEMP SN			Transmissometer																																
PRI COND SN			PAR S/N																																
SEC COND SN																																			
No.	DEPTH	Rosette Notes	SALT	Hydro Team-PHEL	Nut.Btl	O2-Btl.Mo	Chlor-a	Bug-1																											
1	Bot		12				139	138																											
2	50						139	138																											
3	44						138	138																											
4	40						138	138																											
5	30						139	138																											
6	20						138	138																											
7	10						138	138																											
8	0						139	138																											
9																																			
10																																			
11																																			
12																																			

Good for O₂ lag determination

Fl. Spike

Both did not Thrust

MAX. DEPTH = 169 m

022

VESSEL			CRUISE ID			PROJECT & LEG			STATION NO.												
NOAAS Oscar Dyson			DY1405			Eco-FOCI Spring Mooring Cruise			023												
CONSC CAST #	LATITUDE		LONGITUDE		DATE		TIME (GMT)	DRY BULB	Relative Humidity	PRESSURE	SEA STATE	VISIBILITY	WIND DIRN	WIND SPD	CLOUD (amt)	TYPE	WEATHER	BOTTOM DEPTH	STA. NAME/ID		
0245646.00	DEG	MIN	DEG	MIN	DAY	MO	YR	HR	MIN	(°C)	(°C)	(mb)	(deg)	(kts)	(amt)			(m)	M/010		
																		73			
SBE 9+ _____ FILLOR S/N _____ PRESS SN _____ SBE43-Oxy (prime) _____ PRT TEMP SN _____ SBE43-Oxy (sec) _____ SEC TEMP SN _____ Transmissometer _____ PRT COND SN _____ PAR S/N _____ SEC COND SN _____																					
REMARKS Series interface at ~36m. MISTIE, one bottle did not fire.																					
MAX DEPTH = 66 m																					
NO	DEPTH	Rosette Notes	Hydro Team-PH&L		DATE		Chloro-l	Comments												NO	
No	DESIRED		SALT	Nut.Brd	O2-Brd	No														No.	
1	36			019	0288															1	
2	50			020			138													2	
3	40			021																3	
4	38			—	—		138	10													4
5	30			022			139													5	
6	20			023			138													6	
7	10			024			138													7	
8	0			025			139	9													8
9																				9	
10																				10	
11																				11	
12																				12	

Redid cast 025 (no samples taken out of this 025).

VESSEL NOAAS Oscar Dyson		CRUISE ID DY1405		PROJECT & LEG Eco-FOCI Spring Mooring Cruise		STATION NO. 23	
CONSC CAST #		LATITUDE		LONGITUDE		DATE	
025	5645.87 N	16420.15 W	09 MAY 14	TIME (GMT) 1935	DRY BULB S.085.	Relative Humidity (%)	PRESSURE (mb)
				HR	MIN	(°C)	(mb)
				SEA STATE	VISIBILITY	WIND DIRN. (deg)	WIND SPD. (kts)
				CLOUD (amt)	TYPE	WEATHER	BOTTOM DEPTH (m)
							74
							1120
REMARKS Cast by had one bottle mistrip, only 2 bottles instead of 6. Redans cast							
MAX DEPTH = 65 m							
SBE 9+ _____ FLUOR S/N _____ PRESS SN _____ SBE43-Oxy (prime) _____ PRT TEMP SN _____ SBE43-Oxy (sec) _____ SEC TEMP SN _____ Transducer _____ PRT COND SN _____ PAR S/N _____ SEC COND SN _____							
Nbs		Rosette Notes		Hydro Team-P&EL		Comments	
No.	DEPTH DESIRED	SALT	Nut.Brt	O2-Btl.No	Chloro-I		
1	Bot	13	219	288	4991		
2	50		220				
3	40/38		221		10		F1 SP. H2O @ 38
4	30		222				
5	20		223				
6	10		224				
7	0		225		9		Didn't fire the surface bottle
8							Used bucket
9							
10							
11							
12							

VESSEL										CRUISE ID										PROJECT & LEG										STATION NO.									
NOAAS Oscar Dyson										DY1405										Eco-Food Spring Mooring Cruise										26									
CONC CAST				LATITUDE				LONGITUDE				DATE				TIME (GMT)		DRY BULB		Relative Humidity		PRESSURE		SEA STATE		VISIBILITY		WIND DIR.		WIND SPO.		CLOUD (amt)		WEATHER		BOTTOM DEPTH		STA. NAME/ID	
#	DEG	MIN	N	DEG	MIN	DAY	MO	YR	HR	MIN	(°C)	(°C)	(mb)	*	(deg)	(kts)	*	*	*	(m)																			
2856	51	73	N	16	50	7	31	W	09	MAY	14	23	54	4	1	89	26	2	1	7	4													74	70145				
REMARKS																																							
SB 9+ _____ FLUOR S/N _____																																							
PRESS SN _____ SB43-Oxy (prime) _____																																							
PRI TEMP SN _____ SB43-Oxy (sec) _____																																							
SEC TEMP SN _____ Transmissometer _____																																							
PRI COND SN _____ PAR S/N _____																																							
SEC COND SN _____																																							
Nis _____																																							
DEPTH _____ Rosette Notes _____																																							
No. _____ DESIRED _____																																							
Hydro Team-PNEL																																							
SALT _____ Nut.Btl _____ O2-Btl No _____																																							
Chloro-I _____																																							
Comments _____																																							
Nis _____																																							
No. _____																																							

VESSEL NOAAS Oscar Dyson				CRUISE ID DY1405				PROJECT & LEG Eco-FOCI Spring Mooring Cruise				STATION NO. 27																					
CONSC CAST #		LATITUDE		LONGITUDE		DATE		TIME (GMT)		DRY BULB		Relative Humidity		PRESSURE		SEA STATE		VISIBILITY		WIND DIRL		WIND SPD.		CLOUD (amt)		TYPE		WEATHER		BOTTOM DEPTH		STA. NAME/ID	
29		56.52 N		165.06 W		10 MAY 14		6103		5.2		89		27		*		*		196		4		*		*		*		71		70M6	
SBE 9+		FLUOR S/N		SBE43-Oxy (prime)		SBE43-Oxy (sec)		Transmissometer		PAR S/N		REMARKS																					
PRESS SN		SBE43-Oxy (prime)		SBE43-Oxy (sec)		Transmissometer		PAR S/N		MAX DEPTH = 68 m																							
PRI TEMP SN		SBE43-Oxy (prime)		SBE43-Oxy (sec)		Transmissometer		PAR S/N																									
SEC TEMP SN		SBE43-Oxy (prime)		SBE43-Oxy (sec)		Transmissometer		PAR S/N																									
PRI COND SN		SBE43-Oxy (prime)		SBE43-Oxy (sec)		Transmissometer		PAR S/N																									
SEC COND SN		SBE43-Oxy (prime)		SBE43-Oxy (sec)		Transmissometer		PAR S/N																									

N/S No.	DEPTH DESIRED	Rosette Notes	Hydro Team-PWEL			Chloro-I	Comments	N/S No.
			SALT	Nut.Btl	O2-Btl No			
1	65M	68	15	247	292			1
2	50	51		246				2
3	40	40		249				3
4	36	30		250				4
5	30	21		251				5
6	10	10		252				6
7	0	2		253				7
8								8
9								9
10								10
11								11
12								12

lots of yellowfish - use downcast only for yellow data
both primary & secondary conductivity used on upcast

[illegible]

[illegible]

VESSEL				CRUISE ID				PROJECT & LEG				STATION NO.					
NOAAS Oscar Dyson				DY1405				Eco-FOCI Spring Mooring Cruise				30					
CONSC CAST #	LATITUDE		LONGITUDE		DATE		TIME (GMT)	DRY BULB	Relative Humidity	PRESSURE	SEA STATE	VISIBILITY	WIND DIRN. SPO.	WIND CLOUD (amt)	TYPE WEATHER	BOTTOM DEPTH	STA. NAME/ID
325719	DEG MIN	25 N	DEG MIN	166006	61 W	10 MAY 14	0536	3.9	95	25		147	6			6870M	7
SBE 9+			FLUOR S/N				REMARKS										
PRESS SN			SBE43-Oxy (prime)														
PRI TEMP SN			SBE43-Oxy (sec)														
SEC TEMP SN			Transmissometer														
PRI COND SN			PAR S/N														
SEC COND SN																	
NIS No.	DEPTH	Rosette Notes	SALT		Nut.Btl		02-Btl.No	Chloro-I	Comments								NIS No.
1	5M	64			266												1
2	50	51			269			✓									2
3	40	41			270			✓									3
4	30	30			271			✓									4
5	20	20			272			✓									5
6	10	10			273			✓									6
7	0	2			274		107	✓									7
8																	8
9																	9
10																	10
11																	11
12																	12

VESSEL NOAAS Oscar Dyson		CRUISE ID DY1405		PROJECT & LEG Eco-FOCI Spring Mooring Cruise		STATION NO. 31	
CONSC CAST #		LATITUDE		LONGITUDE		DATE	
335717.33 N		16619.56 W		10 MAY 14		TIME (GMT) 0649	
DEG MIN		DEG MIN		DAY MO YR		HR MIN	
33 57 17		16 61 19		10 MAY 14		06 49	
SBE 9+ PRESS SN PQI TEMP SN SEC TEMP SN PAR COND SN SEC COND SN		FLUOR S/N SBE43-Oxy (prime) SBE43-Oxy (sec) Transmissometer PAR S/N		TIME (GMT) DRY BULB Relative Humidity PRESSURE SEA STATE VISIBILITY WIND DIRN. WIND SPD. CLOUD (amt) TYPE WEATHER BOTTOM DEPTH STA. NAME/ID		4.0 96.0 85 153 5 67 70M10	
REMARKS		MAX DEPTH = 65 m					
N/S No.		Rosette Notes		Hydro Team-PHEL		Chloro-I	
DEPTH DESIRED		SALT		Nut.Brd		O2-Brd No	
1 65M		17		275		100	
2 50				276			
3 40		41		277		138	
4 30		31		278		139	
5 20		20		279		138	
6 10		10		280		139	
7 0		3		281			
8							
9							
10							
11							
12							
N/S No.		Comments					
1							
2							
3							
4							
5							
6							
7							
8							
9							
10							
11							
12							

[illegible]

VESSEL		CRUISE ID		PROJECT & LEG		STATION NO.	
NOAAS Oscar Dyson		DY1405		Eco-FOCI Spring Mooring Cruise		34	
CONSC CAST #	LATITUDE		LONGITUDE		DATE		
355725	DEG MIN	71 N	DEG MIN	16648	DAY MO YR	10 MAY 14	
					TIME (GMT)	0934	
					DRY BULB	4	
					Relative Humidity	69	
					PRESSURE	26	
					SEA STATE		
					VISIBILITY		
					WIND DIRN	151	
					WIND SPD	8	
					CLOUD (amt)		
					TYPE		
					WEATHER		
					BOTTOM DEPTH	6970m	
					STA. NAME/ID	12	
SBE 9+ _____ FLUOR S/N _____ PRESS SN _____ SBE43-Oxy (prime) _____ PRI TEMP SN _____ SBE43-Oxy (sec) _____ SEC TEMP SN _____ Transmissometer _____ PRI COND SN _____ PAR S/N _____ SEC COND SN _____							
REMARKS							
MAX. DEPTH = 65 m							
NIS DEPTH _____ Rosette Notes _____ No. DESIRED _____ SALT _____ Nut. Bl _____ OC-Btl No _____ Chlorophyll _____ Hydro Team-PWEL _____ Comments _____							
1	Bd			289	172		
2	50			290		139	
3	40			291		138	
4	30			292		139	
5	20			293		138	
6	10			294		138	
7	0		18	295		139	
8							
9							
10							
11							
12							

VESSEL NOAAS Oscar Dyson		CRUISE ID DY1405		PROJECT & LEG Eco-Food Spring Mooring Cruise		STATION NO. 35	
CONSC CAST #		LATITUDE		LONGITUDE		DATE	
365731	35 N	16701	99 W	10 MAY 14	TIME (GMT) 1053	DRY BULB 3.396	RELATIVE HUMIDITY 25
SBE 9+ PRESS SN PRI TEMP SN SEC TEMP SN PRI COND SN SEC COND SN		FLUOR S/N SBE43-Oxy (pHrme) SBE43-Oxy (sec) Transmissometer PAR S/N		PRESSURE SEA STATE VISIBILITY WIND DIRN WIND SPD. CLOUD (amt) TYPE WEATHER		BOTTOM DEPTH STA. NAME/ID	
REMARKS		MAX. DEPTH = 64 m		WIND (deg) 157		WIND (kts) 8	
NS		Rosette Notes		Hydro Team-PHEL		Comments	
No.	DEPTH DESIRED	SALT	MLR/Bt	O2-Bt/No	Chloro-l	NS No.	
1	28		296		139	1	1
2	50		297		138	2	2
3	40		298		139	3	3
4	30		299		138	4	4
5	20		300		138	5	5
6	10		301		139	6	6
7	0		302	168	139	7	7
8						8	8
9						9	9
10						10	10
11						11	11
12						12	12

[illegible]

[illegible]

VESSEL		CRUISE ID		PROJECT & LEG		STATION NO.	
NOAAS Oscar Dyson		DY1405		Eco-FOCI Spring Mooring Cruise		38	
CONSC CAST #	LATITUDE		LONGITUDE		DATE		
375730	DEG	MIN	DEG	MIN	DAY	MO	YR
24	N	16	59	02	W	10	MAY 14
TIME (GMT)	HR	MIN	DRY BULB (°C)	RELATIVE HUMIDITY (°C)	PRESSURE (mb)	SEA STATE	VISIBILITY
1509	4	0	85	24	1	69	15
WIND DIRN. (deg)	WIND SPD. (kts)	CLOUD (amt)	TYPE	WEATHER	BOTTOM DEPTH (m)	STA. NAME/ID	
169	15				7270m	16	
REMARKS 20 Salinity 11.425 on upcast diff for primary							
MAX. DEPTH = 65 m							
SEC 9+ PRESS SN PRI TEMP SN SEC TEMP SN PRI COND SN SEC COND SN							
FLUOR S/N SEC43-Oxy (prime) SEC43-Oxy (sec) Transmittometer PAR S/N							
Rosette Notes Hydro Team-PWEL SALT Nut Brl Q2-BTLNo Chloro-I							
Comments							
NIS No.	DEPTH DESIRED	SALT		Nut Brl		Q2-BTLNo	Chloro-I
1	304			317		220	281
2	57			318			282
3	40			319			285
4	30			320			281
5	20			321			283
6	10			322			283
7	0			323			283
8							
9							
10							
11							
12							

[illegible]

VESSEL NOAAS Oscar Dyson		CRUISE ID DY1405		PROJECT & LEG Eco-FOCI Spring Mooring Cruise		STATION NO. 40	
CONSC CAST #		LATITUDE		LONGITUDE		DATE	
415731		45 N		6836 W		73 MAY 14	
SBE 9+		FLUOR S/N		TIME (GMT)		DRY BULB	
PRESS SN		SBE43-Oxy (prime)		HR		°C	
PRI TEMP SN		SBE43-Oxy (sec)		MIN		°C	
SEC TEMP SN		Transmissometer		MAX		°C	
PRI COND SN		PAR S/N		PRESSURE		SEA STATE	
SEC COND SN				°		VISIBILITY	
				WIND DIRN.		WIND SPD.	
				(deg)		(kts)	
				CLOUD (amt)		TYPE	
				WEATHER		BOTTOM DEPTH	
						(m)	
						STA. NAME/ID	
						72 M7018	
						MAX. DEPTH = 66 m	
Rosette Notes		Hydro Team PUEL		Chloro-I		Comments	
No.	DEPTH	DESIRE	SALT	NUL. BU	02-BU No		
1	Bot		21	331	197	281	
2	50			332		282	
3	40			333		285	
4	30			334		281	
5	20			335		283	
6	10			336		283	
7	0			337		283	
8							
9							
10							
11							
12							

[illegible]

VESSEL		CRUISE ID		PROJECT & LEG		STATION NO.	
NOAAS Oscar Dyson		DY1405		Eco-FOCI Spring Mooring Cruise		42	
CONC CAST #	LATITUDE		LONGITUDE		DATE		
43	57	46.03 N	168	27.99 W	10	MAY	14
SBE 9+	FLUOR S/N		TIME (GMT)		DRY BULB	Relative Humidity	PRESSURE
PRESS SN	SBE43-Oxy (prime)		HR	MIN	(°C)	(%)	(mb)
PRI TEMP SN	SBE43-Oxy (sec)		21	47	3.6	92	24
SEC TEMP SN	Transmissometer		SEA STATE		VISIBILITY	WIND DIRN	WIND SPD
PRI COND SN	PAR S/N		* * *		* *	(deg)	(kts)
SEC COND SN			* * *		* *		
REMARKS							
MAX. DEPTH = m							
Comments							
Chlorophyll							
O2-B/LNO							
NUTR							
SALT							
Rosette Notes							
DEPTH							
No. DESIRED							
1	55m	67	345	277			
2	50	51	346				
3	40	41	347				
4	30	31	348				
5	20	21	349				
6	10	11	350				
7	0	2	351				
8							
9							
10							
11							
12							

Handleguin duck was out here!?

70-20M-4E

[illegible]

VESSEL										PROJECT & LEG										STATION NO.									
NOAAS Oscar Dyson										DVT 405										Eco-FOCI Spring Mooring Cruise									
CONSC CAST										DATE										TIME (GMT)									
#										LATITUDE										LONGITUDE									
DEG										MIN										DEG									
MIN										MIN										MIN									
SEC										SEC										SEC									
46										57										55									
N										64										N									
1										69										19									
23										W										23									
11										MAY										14									
04										16										3									
09										7										23									
14										9										14									
9										6										6									
67										67										67									
70M-2										70M-2										70M-2									
STA. NAME/ID										STA. NAME/ID										STA. NAME/ID									

VESSEL						CRUISE ID						PROJECT & LEG						STATION NO.															
NOAAS Oscar Dyson						DY1405						Eco-FOCI Spring Mooring Cruise																					
CONSC CAST #		LATITUDE		LONGITUDE		DATE		TIME (GMT)		DRY BULB		Relative Humidity		PRESSURE		SEA STATE		VISIBILITY		WIND DIRN.		WIND SPD.		CLOUD (amt.)		TYPE		WEATHER		BOTTOM DEPTH		STA. NAME/ID	
#		DEG MIN		DEG MIN		DAY MO YR		HR MIN		(°C)		(°C)		(fph)		*		*		(deg)		(kts)		*		*		*		(m)			
475754		15 N		169 29 W		11 MAY 14		0519		3.4		97		23						147		9								69		70M-2	
REMARKS																																	
SBF 9+ _____ FLUOR S/N _____																																	
PRESS SN _____ SBF43-Oxy (prime) _____																																	
PRI TEMP SN _____ SBF43-Oxy (sec) _____																																	
SEC TEMP SN _____ Transmissometer _____																																	
PRI COND SN _____ PAR S/N _____																																	
SEC COND SN _____																																	
MAX DEPTH = 62 m																																	
Comments																																	
Chloro-l																																	
Nut.Btl																																	
O2-Bt.No																																	
Rosette Notes																																	
DEPTH No. DESIRED																																	
1 BTM 66 373 162 ✓																																	
2 50 51 374 ✓																																	
3 40 41 375 ✓																																	
4 30 30 376 ✓																																	
5 20 20 377 ✓																																	
6 10 10 378 ✓																																	
7 0 3 24 379 ✓																																	
8																																	
9																																	
10																																	
11																																	
12																																	

[illegible]

[illegible]

VESSEL		CRUISE ID		PROJECT & LEG		STATION NO.													
NOAAS Oscar Dyson		DY1405		Eco-FOCI Spring Mooring Cruise		49													
CONSC CAST #	LATITUDE		LONGITUDE		DATE		TIME (GMT)	DRY BULB	Relative Humidity	PRESSURE	SEA STATE	VISIBILITY	WIND DIRN.	WIND SPD.	CLOUD (amt)	TYPE	WEATHER	BOTTOM DEPTH	STA. NAME/ID
581	7.02	N	170.05	31	W	11	MAY	14	0912	2.69	%			164	7			7370	M26
SBE 9+	FLUOR S/N		SBE43-Oxy (prime)		SBE43-Oxy (sec)		Transducer		PAR S/N		REMARKS								
PRESS SN									MAX DEPTH = 64 m										
PRI TEMP SN																			
SEC TEMP SN																			
PRI COND SN																			
SEC COND SN																			
NIS	DEPTH	Rosette Notes	Hydro Team: PKEL		Chloro-I	Comments				NIS									
No.	DESIRED	SALT	Mtd. Btl	O2-BRLNO						No.									
1	Bot		394							1									
2	50		395		139					2									
3	40		396		139					3									
4	30		397		139					4									
5	20		398		138					5									
6	10		399		138					6									
7	0		400	* 119	139					7									
8										8									
9										9									
10										10									
11										11									
12										12									

VESSEL		CRUISE ID		PROJECT & LEG		STATION NO.													
NOAAS Oscar Dyson		DY1405		Eco-FOCI Spring Mooring Cruise		50													
CONSC CAST #	DEG	MIN	LONGITUDE	DEG	MIN	DATE	TIME (GMT)	DRY BULB	Relative Humidity	PRESSURE	SEA STATE	VISIBILITY	WIND DIRN.	WIND SPD.	CLOUD (amt)	TYPE	WEATHER	BOTTOM DEPTH	STA. NAME/ID
51	58	26	83 N	170	11	04 W	11 MAY 14	1043	22.97	25			164	7				73	704477
SBE 9+		FLUOR S/N		REMARKS		MAX DEPTH = 108 m													
PRESS SN		SBE43-Oxy (prime)																	
PRI TEMP SN		SBE43-Oxy (sec)																	
SEC TEMP SN		Transmissometer																	
PRI COND SN		PAR S/N																	
SEC COND SN																			
NIS No.	DEPTH DESIRED	Rosette Notes	SALT	Hydro Team-PWEL	Int:Btl	O2-Btl:No	Chloro-I	Comments										NIS No.	
1	Bot				401	254		139											1
2	50				402			139											2
3	40				403			139											3
4	30				404			134											4
5	20				405			138											5
6	10				406			138											6
7	0				44	407		139											7
8																			8
9																			9
10																			10
11																			11
12																			12

VESSEL		CRUISE ID		PROJECT & LEG		STATION NO.														
NOAAS Oscar Dyson		DY1405		Eco-FOCI Spring Mooring Cruise		51														
CONSC CAST #	LATITUDE		LONGITUDE		DATE		TIME (GMT)	DRY BULB	Relative Humidity	PRESSURE	SEA STATE	VISIBILITY	WIND DIRN.	WIND SPD.	CLOUD (amt)	TYPE	WEATHER	BOTTOM DEPTH	STA. NAME/ID	
51	DEG	MIN	DEG	MIN	DAY	MO	YR	HR	MIN	(°C)	(°C)	(mb)	*	(deg)	(kts)	*	*	(m)	7370M28	
REMARKS																				
MAX. DEPTH = 1.6 m																				
SBE 9+ _____ FLUOR S/N _____ PRESS SN _____ SBE43-Oxy (prime) _____ PRI TEMP SN _____ SBE43-Oxy (sec) _____ SEC TEMP SN _____ Transmissometer _____ PRI COND SN _____ PAR S/N _____ SEC COND SN _____																				
NIS No.	DEPTH DESIRED	Rosette Notes	SALT	Hydro Team-PHEL	Nut.Btl	O2-Btl.No	Chloro-I	Comments												NIS No.
1	8m				408		139													1
2	50				409		139													2
3	40				410		139													3
4	30				411		138													4
5	20				412		138													5
6	10				413		138													6
7	0				414	252	139													7
8																				8
9																				9
10																				10
11																				11
12																				12

[illegible]

[illegible]

VESSEL NOAAS Oscar Dyson				CRUISE ID DY1405				PROJECT & LEG Eco-FOCI Spring Mooring Cruise				STATION NO. 54																					
CONSC CAST #		LATITUDE		LONGITUDE		DATE		TIME (GMT)		DRY BULB		Relative Humidity		PRESSURE		SEA STATE		VISIBILITY		WIND DIRN		WIND SPD		CLOUD (amt)		TYPE		WEATHER		BOTTOM DEPTH		STA. NAME/ID	
25		59 06.35 N		70 14.59 W		11 MAY 14		16 15		1.1		99.		87		2		2		210		5								6870M31			
SBE 9+				FLUOR S/N																													
PRESS SN				SBE43-Oxy (prime)																													
PRT TEMP SN				SBE43-Oxy (sec)																													
SEC TEMP SN				Transmissometer																													
PRT COND SN				PAR S/N																													
SEC COND SN																																	
N/A		Rosette Notes		Hydro Team-PNEL				Chloro-l																									
N/A		DEPT		SALT		Nut.Btl		02-Btl No																									
1		Bot				429		295																									
2		50				430																											
3		40				431																											
4		30				432																											
5		20				433																											
6		10				434																											
7		0				435																											
8																																	
9																																	
10																																	
11																																	
12																																	

REMARKS

MAX DEPTH = 62 m

VESSEL NOAAS Oscar Dyson		CRUISE ID DY1405		PROJECT & LEG Eco-FOCI Spring Mooring Cruise		STATION NO. 55	
CONC CAST #		LATITUDE		LONGITUDE		DATE	
565914.81N		17024.80W		11 MAY 14		TIME (GMT)	
DEG MIN		DEG MIN		DAY MO YR		HR MIN	
						1708	
						0.199	
						27	
						238	
						4	
						6820M32	
						MAX. DEPTH = 60 m	
SBE 9+		FLUOR S/N		REMARKS Vertical Xiphus were all			
PRESS SN		SBE43-Oxy (prime)		Open No. Ocean Sample			
PR1 TEMP SN		SBE43-Oxy (sec)					
SEC TEMP SN		Transmissometer					
PR1 COND SN		PAR S/N					
SEC COND SN							
No.		Rosette Notes		Hydro Team-PHEL		Comments	
DEPTH		SALT		Nut.Btl		O2-Btl No	
1 Bot				436		Chloro-l	
2 50				432		139	
3 40				438		139	
4 30				439		139	
5 20				440		138	
6 10				441		138	
7 0		x 46		442		139	
8							
9							
10							
11							
12							

VESSEL		CRUISE ID		PROJECT & LEG		STATION NO.	
NOAAS Oscar Dyson		DY1405		Eco-FOCI Spring Mooring Cruise		56	
CONSC CAST #	LATITUDE		LONGITUDE		DATE		TIME (GMT)
575920	10 N	17039.48 W	11 MAY 14	1845			
DEG	MIN	DEG	MIN	DAY	MO	YR	HR
							MIN
							SEC
							TIME (GMT)
							DRY BULB
							RELATIVE HUMIDITY
							PRESSURE
							SEA STATE
							VISIBILITY
							WIND DIRN
							WIND SPD
							CLOUD (amt)
							TYPE
							WEATHER
							BOTTOM DEPTH
							STA. NAME/ID
							7174133
							MAX DEPTH = 6.3 m
SEC 9+	FLUOR S/N				REMARKS		
PRESS SN	SBE43-Oxy (prime)				Primary system went flakey on		
PRO TEMP SN	SBE43-Oxy (sec)				upcast. Sampling for primary productivity		
SEC TEMP SN	Transducer				Primary system had all channels/instruments		
PRO COND SN	PAR S/N				on upcasts		
SEC COND SN							
Net No.	DEPTH	Rosette Notes	SALT	Hydro Team-PHEL	Nut.Btl	O2-Btl No	Chlor-a
1	804						
2	50						
3	40						
4	30						
5	20						
6	10						
7	0						
8							
9							
10							
11							
12							

VESSEL		CRUISE ID		PROJECT & LEG		STATION NO.														
NOAAS Oscar Dyson		DY1405		Eco-FOCI Spring Mooring Cruise		57														
CONSC CAST #	LATITUDE		LONGITUDE		DATE		TIME (GMT)	DRY BULB	Relative Humidity	PRESSURE	SEA STATE	VISIBILITY	WIND DIRN	WIND SPD	CLOUD (amt)	TYPE	WEATHER	BOTTOM DEPTH	STA NAME/ID	
58	59	26.16 N	17	05	52 W	11	MAY	14	19	54	-0.6	99	29	13	8	4			73	2013H
SBE 9+ _____ FLUOR S/N _____ PRESS SN _____ SBE43-Oxy (prime) _____ PRT TEMP SN _____ SBE43-Oxy (sec) _____ SEC TEMP SN _____ Transmissometer _____ PRT COND SN _____ PAR S/N _____ SEC COND SN _____																				
REMARKS																				
MAX DEPTH = 66 m																				
Nbs No.	DEPTH	Rosette Notes	SALT	Hydro Team-PHEL	Nut.Btl	O2-Btl.No	Chloro-I	Comments												Nbs No.
1	Bot	69	47	450																1
2	40	51		451			✓													2
3	40	40		452			✓													3
4	30	30		453			✓													4
5	20	20		454			✓													5
6	10	9		455			✓													6
7	0	2		456		262	✓													7
8																				8
9																				9
10																				10
11																				11
12																				12

[illegible]

VESSEL NOAAS Oscar Dyson		CRUISE ID DY1405		PROJECT & LEG Eco-FOCI Spring Mooring Cruise		STATION NO. 59	
CONSC CAST #		LATITUDE		LONGITUDE		DATE	
60	5943.06 N	17108.14 W	DAY	MO	YR	TIME (GMT)	DRY BULB
	DEG	MIN	DEG	MIN	DAY	HR	MIN
SBE 3+		FLUOR S/N		REMARKS		TIME (GMT)	
PRESS SN		SBE43-Oxy (prime)				DRY BULB	
PRO TEMP SN		SBE43-Oxy (sec)				Relative Humidity	
SEC TEMP SN		Transducer				PRESSURE	
PRO COND SN		PAR S/N				SEA STATE	
SEC COND SN						VISIBILITY	
						WIND DIRN	
						WIND SPD	
						CLOUD (amt)	
						TYPE	
						WEATHER	
						BOTTOM DEPTH	
						STA. NAME/ID	
						MAX DEPTH = 65 m	
No. DEPTH		Rosette Notes		Hydro Team-PHEL		Comments	
No.	DESIRED	SALT	Nut.Btl	O2-Btl.No	Chlor-1		No.
1	60	68	464				1
2	50	51	465				2
3	40	41	466				3
4	30	31	467				4
5	20	21	468				5
6	10	10	469				6
7	0	2	470	303			7
8							8
9							9
10							10
11							11
12							12

VESSEL		CRUISE ID		PROJECT & LEG		STATION NO.														
NOAAS Oscar Dyson		DY1405		Eco-FOCI Spring Mooring Cruise		60														
CONSC CAST #	LATITUDE		LONGITUDE		DATE		TIME (GMT)	DRY BULB	Relative Humidity	PRESSURE	SEA STATE	VISIBILITY	WIND DIRN, SPD.	WIND CLOUD (amt)	TYPE	WEATHER	BOTTOM DEPTH	STA. NAME/ID		
615954	02	N	17115	39	W	12	M	A	Y	1	4	0005	1.1	98	29	1	83	8	72	70M-SE
SBE 9+		FLUOR S/N		REMARKS		MAX DEPTH = 63 m														
PRESS SN		SBE 43-Oxy (prime)																		
PRI TEMP SN		SBE 43-Oxy (sec)																		
SEC TEMP SN		Transmissometer																		
PRI COND SN		PAR S/N																		
SEC COND SN																				
NIS No.	DEPTH DESIRED	Rosette Notes	SALT	Hydro Team-PWEL	Nuc.Btl	O2-BtlNo	Chloro-I	Comments										NIS No.		
1	BTM	67	37	471	304													1		
2	50	50		472														2		
3	40	40		473														3		
4	30	30		474														4		
5	20	20		475														5		
6	10	10		476														6		
7	6	2		477														7		
8																		8		
9																		9		
10																		10		
11																		11		
12																		12		

This cast was logged as 70M-37, but it is 70M-SE.

[illegible]

[illegible]

VESSEL NOAAS Oscar Dyson				CRUISE ID DY1405				PROJECT & LEG Eco-FOCI Spring Mooring Cruise				STATION NO. 63																			
CONSC CAST #		LATITUDE		LONGITUDE		DATE		TIME (GMT)		DRY BULB		Relative Humidity		PRESSURE		SEA STATE		VISIBILITY		WIND DIRN.		WIND SPD.		CLOUD (amt)		TYPE WEATHER		BOTTOM DEPTH		STA. NAME/ID	
64		59 53.51 N		171 42.68 W		18 MAY 14		0450		1.391		28		198		9		7.2												70M-38-M5	
SBE 9+		FLUOR S/N		SBE43-Oxy (prime)		SBE43-Oxy (sec)		Transducer		PAR S/N		SEC COND SN		SEC COND SN		SEC COND SN		SEC COND SN		SEC COND SN		SEC COND SN		SEC COND SN		SEC COND SN		SEC COND SN		SEC COND SN	
PRESS SN		PRESS SN		PRESS SN		PRESS SN		PRESS SN		PRESS SN		PRESS SN		PRESS SN		PRESS SN		PRESS SN		PRESS SN		PRESS SN		PRESS SN		PRESS SN		PRESS SN		PRESS SN	
PRI TEMP SN		PRI TEMP SN		PRI TEMP SN		PRI TEMP SN		PRI TEMP SN		PRI TEMP SN		PRI TEMP SN		PRI TEMP SN		PRI TEMP SN		PRI TEMP SN		PRI TEMP SN		PRI TEMP SN		PRI TEMP SN		PRI TEMP SN		PRI TEMP SN		PRI TEMP SN	
SEC TEMP SN		SEC TEMP SN		SEC TEMP SN		SEC TEMP SN		SEC TEMP SN		SEC TEMP SN		SEC TEMP SN		SEC TEMP SN		SEC TEMP SN		SEC TEMP SN		SEC TEMP SN		SEC TEMP SN		SEC TEMP SN		SEC TEMP SN		SEC TEMP SN		SEC TEMP SN	
PRI COND SN		PRI COND SN		PRI COND SN		PRI COND SN		PRI COND SN		PRI COND SN		PRI COND SN		PRI COND SN		PRI COND SN		PRI COND SN		PRI COND SN		PRI COND SN		PRI COND SN		PRI COND SN		PRI COND SN		PRI COND SN	
SEC COND SN		SEC COND SN		SEC COND SN		SEC COND SN		SEC COND SN		SEC COND SN		SEC COND SN		SEC COND SN		SEC COND SN		SEC COND SN		SEC COND SN		SEC COND SN		SEC COND SN		SEC COND SN		SEC COND SN		SEC COND SN	
No.		DEPTH		Rosette Notes		SALT		Hydro Temp-PNEL		Nuc.Btl		O2-Btl No		LUGOIS		Chloroph															
1		65M		bb				492								✓															
2		50		51				493								✓															
3		40		40				494								✓															
4		30		30				495								✓															
5		20		20				496								✓															
6		10		10				497								✓															
7		0		2				498		344		17				✓															
8																															
9																															
10																															
11																															
12																															

MAX. DEPTH = 65 m

VESSEL		CRUISE ID		PROJECT & LEG		STATION NO.																		
NOAAS Oscar Dyson		DY1405		Eco-FOCI Spring Mooring Cruise		64																		
CONSC CAST #	LATITUDE		LONGITUDE		DATE		TIME (GMT)	DRY BULB	Relative Humidity	PRESSURE	SEA STATE	VISIBILITY	WIND DIR/NL	WIND SPD.	CLOUD (amt)	TYPE	WEATHER	BOTTOM DEPTH	STA. NAME/ID					
65	60	01	40	N	171	58	48	W	12	M	A	Y	1	4	06	34	11	93	28	1	82	11	64	70m-39-M5N
SBE 9+		FLUOR S/N		SBE43-Oxy (prime)		SBE43-Oxy (sec)		Transducer		PAR S/N		REMARKS		MAX DEPTH = 57 m										
PRESS SN		SBE43-Oxy (prime)		SBE43-Oxy (sec)		Transducer		PAR S/N		REMARKS														
POT TEMP SN		SBE43-Oxy (prime)		SBE43-Oxy (sec)		Transducer		PAR S/N		REMARKS														
SEC TEMP SN		SBE43-Oxy (prime)		SBE43-Oxy (sec)		Transducer		PAR S/N		REMARKS														
POT COND SN		SBE43-Oxy (prime)		SBE43-Oxy (sec)		Transducer		PAR S/N		REMARKS														
SEC COND SN		SBE43-Oxy (prime)		SBE43-Oxy (sec)		Transducer		PAR S/N		REMARKS														
NIS	DEPTH	Rosette Notes		Hydro Team-PHEL		02-BTL No		Chloro-I		Comments		NIS												
No.	DESIRED	SALT		Nut. Btl		02-BTL No		Chloro-I		Comments		No.												
1	BTM	61		39		499		345				1												
2	50	51				560						2												
3	40	41				501						3												
4	30	30				502						4												
5	20	20				503						5												
6	10	10				504						6												
7	6	3				505						7												
8												8												
9												9												
10												10												
11												11												
12												12												

[illegible]

VESSEL		CRUISE ID		PROJECT & LEG		STATION NO.	
NOAAS Oscar Dyson		DY1405		Eco-FOCI Spring Mooring Cruise		66	
CONSC CAST #	LATITUDE		LONGITUDE		DATE		TIME (GMT)
625751	93 N	12002	81 W	12 MAY 14	11	12	2.00
SUN 9+	FLUOR S/N	SBE43-Oxy (prime)		SBE43-Oxy (sec)		Transmissometer	
PRESS SN	PAR S/N		PAR S/N		PAR S/N		PAR S/N
SEC TEMP SN	SEC COND SN		SEC COND SN		SEC COND SN		SEC COND SN
REMARKS							
Cast to collect water for a							
Primary Food experiment, collecting all							
netmed samples							
MAX DEPTH =	50 m						
NO	DEPTH	ROSETTE NOTES	SALT	HYDRO TEAM: PHEL	CHLOROPHYLL	FLUOR	COMMENTS
1	50		40	513	347	281	lugel
2	40			514		282	
3	30			515		285	
4	20			516		281	
5	10			517		283	20
6	0			518		283	19
7							
8							
9							
10							
11							
12							

VESSEL		CRUISE ID		PROJECT & LEG		STATION NO.														
NOAAS Oscar Dyson		DY1405		Eco-FOCI Spring Mooring Cruise		67														
CONSC CAST #	LATITUDE		LONGITUDE		DATE		TIME (GMT)	DRY BULB	Relative Humidity	PRESSURE	SEA STATE	VISIBILITY	WIND DIRN	WIND SPD	CLOUD (amt)	TYPE	WEATHER	BOTTOM DEPTH	STA. NAME/ID	
685525	81	168	06	92	13	W	13	W	13	W	13	W	13	W	13	W	13	W	241	D411
SSE 9+	FLUOR S/N		SSE43-Oxy (prime)		SSE43-Oxy (sec)		Transmissometer		PAR S/N		REMARKS									
MAX. DEPTH = 232 m																				
NIS No.	DEPTH	Rosette Notes	SALT		Hydro Team-PNEL		Chloro-I		Comments											
NIS No.	DESIRED		NUL Btl		02-Btl No															
1	84		519																	
2	150		520																	
3	100		521																	
4	75		522																	
5	50		523																	
6	40		524																	
7	30		525																	
8	20		526																	
9	10		527		351															
10	0		528		201															
11																				
12																				

VESSEL		CRUISE ID		PROJECT & LEG		STATION NO.	
NOAAS Oscar Dyson		DY1405		Eco-FOCI Spring Mooring Cruise		68	
CONSC CAST #		5521.7713N		168.14.3755W			
LATITUDE		LONGITUDE		DATE		TIME (GMT)	
DEG	MIN	DEG	MIN	DAY	MO	YR	HR
169	55.21	168	14.37	13	MAY	14	1045
SBE 9+		FLUOR S/N		DRY BULB		Relative Humidity	
PRESS SN		SBE43-Oxy (prime)		(°C)		(°C)	
PR1 TEMP SN		SBE43-Oxy (sec)		PRESSURE		SEA STATE	
SEC TEMP SN		Transmissometer		(mb)		VISIBILITY	
PR1 COND SN		PAR S/N		WIND DIR		WIND SPD	
SEC COND SN				(deg)		(kts)	
				CLOUD (amt)		TYPE	
				WEATHER		BOTTOM DEPTH	
						(m)	
						1046	
						DL110	
						MAX. DEPTH = 1024 m	
REMARKS							
Bottom depth ~ Ship Depth Sounder's 115m, stopped working either							
C1000m Sounder says 1046' altimeter not							
Very low oxygen below ~ 800 m							
DEPTH		Rosette Notes		Hydro Team-PHEL		Comments	
No	DESIRED	SALT	Nut. BH	O2-B/LNo	Chloroph		No.
1	Bot 1000	41	529	350			1
2	500		530				2
3	200		531				3
4	100		532				4
5	75		533				5
6	50		534				6
7	40		535				7
8	30		536				8
9	06		537				9
10	10		538				10
11	0		539				11
12							12

PAR removed

VESSEL		CRUISE ID		PROJECT & LEG		STATION NO.													
NOAAS Oscar Dyson		DY1405		Eco-FOCI Spring Mooring Cruise		69													
CONSC CAST #	LATITUDE		LONGITUDE		DATE		TIME (GMT)	DRY BULB	Relative Humidity	PRESSURE	SEA STATE	VISIBILITY	WIND DIRNL	WIND SPD.	CLOUD (amt)	TYPE	WEATHER	BOTTOM DEPTH	STA. NAME/ID
72	53°10'28" N	168°31'57" W	13 MAY 14	1423	3.0	100	31	105	5	1914	DL #102	LL512							
SBE 9+		FLUOR S/N		SBE43-Oxy (prime)		SBE43-Oxy (sec)		Transducer		PAR S/N		REMARKS: Problem with 20 salinity flushed with D1W + fresh water. Decided to do cast with only 10 salinity but at 30m, 20 salinity cleared up, matched the remainder of cast.							
PRESS SN																			
PRI TEMP SN																			
SEC TEMP SN																			
PRI COND SN																			
SEC COND SN																			
NIS	DEPTH	Rosette Notes	Hydro Team-PHEL		Chloro-I		Comments		NIS										
No.	DESIRED		SALT	NaCl:Btl	02-BtlNo				No.										
1	Bot			540	289				1										
2	1000			541	288				2										
3	500			542	287				3										
4	100			543	286				4										
5	75			544	285				5										
6	50			545	284				6										
7	40			546	283				7										
8	30			547	282				8										
9	20			548	281				9										
10	10			549	280				10										
11	0			550	279				11										
12									12										

PAR removed

5:50

VESSEL		CRUISE ID		PROJECT & LEG		STATION NO.																								
NOAAS Oscar Dyson		DY1405		Eco-FOCI Spring Mooring Cruise		71																								
CONSC CAST #	LATITUDE		LONGITUDE		DATE		TIME (GMT)	DRY BULB	Relative Humidity	PRESSURE	SEA STATE	VISIBILITY	WIND DIRN, SPD	WIND	CLOUD (amt)	TYPE	WEATHER	BOTTOM DEPTH	STA. NAME/ID											
71	54	57	05	N	108	53	91	W	13	M	A	Y	1	4	11	24	03	4	100	29	1	1	2	1	5	2	20	4	DL9	LL6
SBE 9+		FLUOR S/N		SBE43-Oxy (prime)		SBE43-Oxy (sec)		Transmissometer		PAR S/N		REMARKS								MAX. DEPTH = 1506 m										
PRESS SN		SBE43-Oxy (prime)		SBE43-Oxy (sec)		Transmissometer		PAR S/N																						
SEC TEMP SN		SBE43-Oxy (prime)		SBE43-Oxy (sec)		Transmissometer		PAR S/N																						
PRI COND SN		SBE43-Oxy (prime)		SBE43-Oxy (sec)		Transmissometer		PAR S/N																						
SEC COND SN		SBE43-Oxy (prime)		SBE43-Oxy (sec)		Transmissometer		PAR S/N																						
NIS		Rosette Notes		Hydro Team-PWEL		Chloro-I		Comments								NIS														
No.	DEPTH	SALT		Nut.Btl		02-Btl.No										No.														
1	Bot			551												1														
2	1000			552												2														
3	500			553												3														
4	100			554												4														
5	75			555												5														
6	50			556												6														
7	40			557												7														
8	30			558												8														
9	20			559												9														
10	10			560		349										10														
11	0	42		561												11														
12																12														

PAR removed

→ edge of
junction

hydrophobic

when deep, use depth, not pressure to stop wind
rollers wanted @ pressure on screen

877/470

Ortler before this station: F0306, station 73

[illegible]

[illegible]

9:53

VESSEL		CRUISE ID		PROJECT & LEG		STATION NO.																																																																																																																																																																																																																																																																									
NOAAS Oscar Dyson		DY1 405		Eco-FOCI Spring Mooring Cruise		77																																																																																																																																																																																																																																																																									
CONSEC CAST #	LATITUDE	LONGITUDE		DATE		TIME (GMT)	DRY BULB	Relative Humidity	PRESSURE	SEA STATE	VISIBILITY	WIND DIRN, SPD	WIND CLOUD (amt)	TYPE	WEATHER	BOTTOM DEPTH	STA. NAME/ID																																																																																																																																																																																																																																																														
765336	84 N	16901.45 W		14 MAY 14		102805	39.3	29	29	14	8	2	1011				DL4/LL11																																																																																																																																																																																																																																																														
SBE 9+ _____ FILLER S/N _____ PRESS SN _____ SBE43-Oxy (prime) _____ PRI TEMP SN _____ SBE43-Oxy (sec) _____ SEC TEMP SN _____ Transmissometer _____ PRI COND SN _____ PAR S/N _____ SEC COND SN _____																																																																																																																																																																																																																																																																															
REMARKS																																																																																																																																																																																																																																																																															
MAX. DEPTH = 1503 m																																																																																																																																																																																																																																																																															
<table border="1"> <thead> <tr> <th colspan="2">No.</th> <th>DEPTH</th> <th>Rosetta Notes</th> <th colspan="2">Hydro Team-PWEL</th> <th colspan="2">CHORO-I</th> <th colspan="10">Comments</th> <th colspan="2">No.</th> </tr> <tr> <th colspan="2">DESIRED</th> <th></th> <th></th> <th>SALT</th> <th>MIL.BRI</th> <th>OZ-BRLNO</th> <th></th> <th></th> <th></th> <th></th> <th></th> <th></th> <th></th> <th></th> <th></th> <th></th> <th></th> </tr> </thead> <tbody> <tr> <td>1</td> <td>1500</td> <td></td> <td></td> <td>606</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td>1</td> </tr> <tr> <td>2</td> <td>1000</td> <td></td> <td></td> <td>607</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td>2</td> </tr> <tr> <td>3</td> <td>500</td> <td></td> <td></td> <td>608</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td>3</td> </tr> <tr> <td>4</td> <td>100</td> <td></td> <td></td> <td>609</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td>4</td> </tr> <tr> <td>5</td> <td>75</td> <td></td> <td></td> <td>610</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td>5</td> </tr> <tr> <td>6</td> <td>50</td> <td></td> <td></td> <td>611</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td>6</td> </tr> <tr> <td>7</td> <td>40</td> <td></td> <td></td> <td>612</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td>7</td> </tr> <tr> <td>8</td> <td>30</td> <td></td> <td></td> <td>613</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td>8</td> </tr> <tr> <td>9</td> <td>20</td> <td></td> <td></td> <td>614</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td>9</td> </tr> <tr> <td>10</td> <td>10</td> <td></td> <td></td> <td>615</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td>10</td> </tr> <tr> <td>11</td> <td>0</td> <td></td> <td></td> <td>616</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td>11</td> </tr> <tr> <td>12</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td>12</td> </tr> </tbody> </table>																		No.		DEPTH	Rosetta Notes	Hydro Team-PWEL		CHORO-I		Comments										No.		DESIRED				SALT	MIL.BRI	OZ-BRLNO												1	1500			606													1	2	1000			607													2	3	500			608													3	4	100			609													4	5	75			610													5	6	50			611													6	7	40			612													7	8	30			613													8	9	20			614													9	10	10			615													10	11	0			616													11	12																	12
No.		DEPTH	Rosetta Notes	Hydro Team-PWEL		CHORO-I		Comments										No.																																																																																																																																																																																																																																																													
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VESSEL NOAAS Oscar Dyson			CRUISE ID DY1405			PROJECT & LEG Eco-FOCI Spring Mooring Cruise			STATION NO. 79												
CONSC CAST #		LATITUDE		LONGITUDE		DATE		TIME (GMT)		DRY BULB	Relative Humidity	PRESSURE	SEA STATE	VISIBILITY	WIND DIRN	WIND SPD	CLOUD (amt)	TYPE	WEATHER	BOTTOM DEPTH	STA. NAME/ID
785326		62 N		16842 W		14 MAY 14		1426		4.9	95	28	5	120	16					1298	D22
SBE 3+		FLUOR S/N		SBE43-Oxy (primo)		SBE43-Oxy (sec)		Transmissometer		PAR S/N		REMARKS									
PRESS SN		SBE43-Oxy (primo)		SBE43-Oxy (sec)		Transmissometer		PAR S/N		MAX DEPTH = 1271 m											
PRC TEMP SN		SBE43-Oxy (primo)		SBE43-Oxy (sec)		Transmissometer		PAR S/N													
PRC COND SN		SBE43-Oxy (primo)		SBE43-Oxy (sec)		Transmissometer		PAR S/N													
SEC COND SN		SBE43-Oxy (primo)		SBE43-Oxy (sec)		Transmissometer		PAR S/N													
No		DEPTH		ROSETTE NOTES		SALT		Nut.BH		O2-BULB No		Chloro-l		Comments		No		No		No	
1		Bot						628												1	
2		1000						629												2	
3		520						630												3	
4		100						631												4	
5		75						632												5	
6		50						633												6	
7		40						634												7	
8		30						635												8	
9		20						636		358										9	
10		10						637												10	
11		0						638												11	
12																				12	

NO PAR

VESSEL NOAAS Oscar Dyson		CRUISE ID DY1405		PROJECT & LEG Eco-FOC Spring Mooring Cruise		STATION NO. 81	
CONSC CAST #		LATITUDE		LONGITUDE		DATE	
805324		37 N		16851 W		14 MAY 14	
SBE 3+		FLOR S/N		TIME (GMT)		DRY BULB	
PRESS SN		SBE43-Oxy (p/line)		HR MIN		(°C)	
PRI TEMP SN		SBE43-Oxy (sec)		5 19 42		5.888	
SEC TEMP SN		Transducer		PRESSURE		Relative Humidity	
PRI COND SN		PAR S/N		(mb)		(°C)	
SEC COND SN				29		29	
ROSETTE NOTES		Hydro Team-PHEL		SEA STATE		VISIBILITY	
No. DESIRED		SALT		Nuc. Btl		WIND DIRN	
1 806		994		652		WIND SPD	
2 500		506		651		(kts)	
3 175		177		652		CLOUD (amt)	
4 100		100		653		TYPE	
5 75		75		654		WEATHER	
6 50		49		655		BOTTOM DEPTH	
7 40		40		656		(m)	
8 30		31		657		STA. NAME/ID	
9 20		20		658		14BSP-6A	
10 10		11		659			
11 0		2		660			
12							

REMARKS
Post-deployment of 14BSP-6A mooring

2 Sensors on mooring

30m/min to 100m then 45

Drift at after lunch: 136873 station 81h3 (82m log SC5 but was @ same location as CTD)

Deemer 130871 deployed prior to station (#82)

VESSEL NOAAS Oscar Dyson		CRUISE ID DY1405		PROJECT & LEG Eco-FOCI Spring Mooring Cruise		STATION NO. 8-1	
CONSC CAST #		LATITUDE		LONGITUDE		DATE	
825405	06 N	16707	09 W	15	M A Y 14	TIME (GMT) 0746	DRY BULB 6.8
DEG	MIN	DEG	MIN	DAY	MO	HR	MIN
SBE 9+ PRESS SN PRT TEMP SN SEC TEMP SN PRT COND SN SEC COND SN		FLUOR S/N SBE 43-Oxy (prme) SBE 43-Oxy (sec) Transmissometer PAR S/N		REMARKS fairly large disparity between 1° & 2° Salinity.		MAX DEPTH = 1030 m	
No		DEPTH		ROSETTE NOTES		SALT	
No		DESIRED		MUT. BL		02-BL No	
1		BTM		1050		669 100	
2		500				670	
3		250				671	
4		100				672	
5		75				673	
6		50				674	
7		40				675	
8		30				676	
9		20				677	
10		10				678	
11		0				679	
12							
No		DEPTH		ROSETTE NOTES		SALT	
No		DESIRED		MUT. BL		02-BL No	
1		BTM		1050		669 100	
2		500				670	
3		250				671	
4		100				672	
5		75				673	
6		50				674	
7		40				675	
8		30				676	
9		20				677	
10		10				678	
11		0				679	
12							

$$\cos = \frac{a}{H}$$

$$H = \frac{a}{\cos}$$

VESSEL				CRUISE ID				PROJECT & LEG				STATION NO.																					
NOAAS Oscar Dyson				DY1405				Eco-FOO Spring Mooring Cruise				85																					
CONSC CAST		LATITUDE		LONGITUDE		DATE		TIME (GMT)		DRY BULB		Relative Humidity		PRESSURE		SEA STATE		VISIBILITY		WIND DIRN.		WIND SPD.		CLOUD (amt)		TYPE		WEATHER		BOTTOM DEPTH		STA. NAME/ID	
#	DEG	MIN	SEC	DEG	MIN	SEC	DAY	MO	YR	HR	MIN	(°C)	(%)	(mb)	*	*	(deg)	(kts)	*	*	(m)												
83	54	10	48	N	167	09	11	5	MAY	14	09	38	66.1	87	31			127	48			1640										UT3	
SBE 9+		FLUOR S/N		SBE43-Oxy (prine)		SBE43-Oxy (sec)		Transducer		PAR S/N		REMARKS																					
PRESS SN		SBE43-Oxy (prine)		SBE43-Oxy (sec)		Transducer		PAR S/N		Salinity Seals were different hence the difference in the res - dch!																							
SEC TEMP SN		SBE43-Oxy (prine)		SBE43-Oxy (sec)		Transducer		PAR S/N		MAX DEPTH = 1499 m																							
PRI COND SN		SBE43-Oxy (prine)		SBE43-Oxy (sec)		Transducer		PAR S/N																									
SEC COND SN		SBE43-Oxy (prine)		SBE43-Oxy (sec)		Transducer		PAR S/N																									
DEPTH		ROSETTE NOTES		SALT		HYDRO TEAM P/MEL		CHLOR-I		COMMENTS																							
No.	DESIRED																																
1	1500																																
2	1000																																
3	500																																
4	100																																
5	75																																
6	50																																
7	40																																
8	30																																
9	20																																
10	10																																
11	0																																
12																																	

VESSEL		CRUISE ID		PROJECT & LEG		STATION NO.													
NOAAS Oscar Dyson		DY1405		Eco FOCI Spring Mooring Cruise		86													
CONSC CAST #	LATITUDE		LONGITUDE		DATE		TIME (GMT)	DRY BULB	Relative Humidity	PRESSURE	SEA STATE	VISIBILITY	WIND DIRN	WIND SPD	CLOUD (amt)	TYPE	WEATHER	BOTTOM DEPTH	STA. NAME/ID
845419	36 N	167.5	98 W	15	MAY	14	1308	5	78	30			206	7				852	UT2
SBE 9+	FLUOR S/N		SBE 43-Oxy (prime)		SBE 43-Oxy (sec)		Transmissometer		PAR S/N		REMARKS								
PRESS SN																			
PRI TEMP SN																			
SEC TEMP SN																			
PRI COND SN																			
SEC COND SN																			
Nbs		Rosette Notes		Hydro Team-P&EL		Chlorophyll		Comments		Nbs									
No.	DEPTH DESIRED	SALT	Nut.Btl	O2-Btl.No															No.
1	Bot		691																1
2	500		672	118															2
3	300		693																3
4	100		694																4
5	75		695																5
6	50		696																6
7	40		697																7
8	30		698																8
9	20		699																9
10	10		700																10
11	0		701																11
12																			12

No PAR
 30 m/min to 200
 then 45 m/min

$$\begin{array}{r} 45 \overline{) 600} \\ \underline{45} \\ 150 \\ \underline{135} \\ 150 \end{array}$$

VESSEL						PROJECT & LEG						STATION NO.																						
NOAA's Oscar Dyson						DVT 405						Eco-FOCI Spring Mooring Cruise																						
CONSC CAST #		LATITUDE		LONGITUDE		DATE		TIME (GMT)		DRY BULB		Relative Humidity		PRESSURE		SEA STATE		VISIBILITY		WIND DIRN		WIND SPO		CLOUD (amt)		TYPE		WEATHER		BOTTOM DEPTH		STA. NAME/ID		
		DEG MIN		DEG MIN		DAY MO YR		HR MIN		(°C)		(°C)		(mb)		*		*		(deg)		(kts)		*		*		(m)						
855427		03 N		14722.21 W		15 MAY 14		1523		05.5		89.		30						308		6						649						
SSE 9+				FLUOR S/N																														
PRESS SN				SSE43-Dry (prime)																														
PRI TEMP SN				SSE43-Dry (sec)																														
SEC TEMP SN				Transmissometer																														
PRI COND SN				PAR S/N																														
SEC COND SN																																		
Nbs No.		DEPTH DESIRED		Rosette Notes		Hydro Team-PANEL		SALT		Nut:Btl		O2-Btl.No		Chloro-I																		Comments		Nbs No.
1 Bot								25		702																						1		
2 50										703																						2		
3 250										704																						3		
4 100										705																						4		
5 75										706																						5		
6 50										707																						6		
7 40										708																						7		
8 30										709																						8		
9 20										710																						9		
10 10										711																						10		
11 0										712		x 150																				11		
12																																12		

UTT
 MAX. DEPTH = 633 m

battle not fired

[illegible]

[illegible]

VESSEL NOAAS Oscar Dyson		CRUISE ID DY1405		PROJECT & LEG Eco-Foci Spring Mooring Cruise		STATION NO. 91	
CONSC CAST #		LATITUDE		LONGITUDE		DATE	
895408		33.7 N		166.39 W		16 MAY 14	
SBE 9+		FLUOR S/N		TIME (GMT)		DRY BULB	
PRESS SN		SBE43-Oxy (pHine)		HR		RELATIVE HUMIDITY	
PRI TEMP SN		SBE43-Oxy (sec)		MIN		PRESSURE	
SEC TEMP SN		Transducer		41.47		SEA STATE	
PRI COND SN		PAR S/N		4.6		VISIBILITY	
SEC COND SN				9.6		WIND DIRN	
				51		WIND SPD	
						CLOUD (amt)	
						TYPE	
						WEATHER	
						BOTTOM DEPTH	
						STA. NAME/ID	
						AWA	
						MAX. DEPTH = 1056 m	
No. DEPTH		Rosette Notes		Hydro Team-PWEL		Comments	
No. DESIRED		PABD		Nuc. Br		02-BUL No	
1 BTM		27		746		Chloro-I	
2 500		504.48		747			
3 250		251.48		746			
4 100		100.5 db		749			
5 75		75.		750			
6 50		49.5		751			
7 40		39.4		752			
8 30		31.1		753			
9 20		20.6		754			
10 10		9.8		755			
11 0		2.4		756			
12							

Inductance

no of 1000

[illegible]

VESSEL NOAAS Oscar Dyson		CRUISE ID DY1405		PROJECT & LEG Eco-FOCI Spring Mooring Cruise		STATION NO. 93	
CONSC CAST #		LATITUDE		LONGITUDE		DATE	
54.16965		-166.232					
DEG MIN SEC		DEG MIN SEC		DAY MO YR		TIME (GMT)	
9 15 41.0		1 16 01.3		15 MAY 14		04 54	
SSE 9+		FLUOR S/N		TIME (GMT)		DRY BULB	
PRESS SN		SSE43-Dry (prime)		HR MIN		(°C)	
PRT TEMP SN		SSE43-Dry (sec)		4 54		4.0977	
SEC TEMP SN		Transmissometer		4 54		4.0977	
PRT COND SN		PAR S/N		4 54		4.0977	
SEC COND SN				4 54		4.0977	
Resette Notes		Hydro Temp-PWEL		Chloroph		Comments	
No. DESIRED		SALT		Nut Brl		O2-BrlNo	
1 BTM 124		765					
2 75 77		766					
3 50 51		767					
4 40 41		768					
5 30 31		769					
6 20 20		770					
7 10 11		771					
8 0 2		772		215			
9							
10							
11							
12							

REMARKS

MAX DEPTH = 122 m

AE1

VESSEL NOAAS Oscar Dyson				CRUISE ID DY1405				PROJECT & LEG Eco-FOO Spring Mooring Cruise				STATION NO. 94																					
CONSC CAST #		LATITUDE		LONGITUDE		DATE		TIME (GMT)		DRY BULB		Relative Humidity		PRESSURE		SEA STATE		VISIBILITY		WIND DIRN		WIND SPD		CLOUD (amt)		TYPE		WEATHER		BOTTOM DEPTH		STA. NAME/ID	
9254		3.93 N		16615.35 W		16 MAY 14		0611		4.0		97.0		29		*		*		1014		14		5		*		*		599		AE2	
SBE 9+				FLUOR S/N																													
PRESS SN				SBE43-Oxy (prime)																													
PR1 TEMP SN				SBE43-Oxy (sec)																													
SEC TEMP SN				Transducer																													
PR1 COND SN				PAR S/N																													
SEC COND SN																																	

No.	DEPTH DESIRED	ROSETTE NOTES	HYDRO TEAM-PWEL		CHIRP-I	Comments	No.
			NUL.BH	02-80/No			
1	65M	603	773	220			1
2	500	504	771				2
3	250	250	775				3
4	100	100	776				4
5	75	74	777				5
6	50	49	778				6
7	40	41	779				7
8	30	30	780				8
9	20	20	781				9
10	10	10	782				10
11	0	3	783				11
12							12

[illegible]

VESSEL										PROJECT & LEG										STATION NO.																													
NOAA's Oscar Dyson										DY1405										Eco-FOCI Spring Mooring Cruise																													
CONSC CAST										LATITUDE										LONGITUDE										DATE																			
#										DEG MIN										DEG MIN										DAY MO YR																			
9H5433										60 N										16636.01 W										16 MAY 14																			
SEC 9+										FLUOR S/N										TIME (GMT)										DRY BULB																			
PRESS SN										SEC 43-00 (prime)										HR MIN										(C)																			
PRI TEMP SN										SEC 43-00 (sec)										3.899										Relative Humidity (C)																			
SEC TEMP SN										Transmissometer										PRESSURE										(mb)																			
PRI COND SN										PAR S/N										SEA STATE										VISIBILITY																			
SEC COND SN																				WIND DIRN, SPD.										(deg) (kts)																			
CLOUD (amt)										TYPE										WEATHER										BOTTOM DEPTH																			
MAX DEPTH = 420 m										428										STA. NAME/ID										AE5																			
1										BTM										795										*263																			
2										300										796																													
3										200										797																													
4										100										798																													
5										75										799																													
6										50										800																				281									
7										40										801																				282									
8										30										802																				285									
9										20										803																				281									
10										10										804																				283									
11										0										805																				283									
12																																																	

[illegible]

VESSEL										CRUISE ID										PROJECT & LEG										STATION NO.									
NOAAS Oscar Dyson										DY1405										Eco-FOCI Spring Mooring Cruise										98									
CONSC CAST		LATITUDE		LONGITUDE		DATE		TIME (GMT)		DRY BULB		Relative Humidity		PRESSURE		SEA STATE		VISIBILITY		WIND DIRL		WIND SPD		CLOUD (amt)		TYPE		WEATHER		BOTTOM DEPTH		STA. NAME/ID							
#	DEG	MIN	SEC	DEG	MIN	DAY	MO	YR	HR	MIN	(°C)	(%)	(mb)	*	*	(deg)	(kts)	*	*	(m)																			
1	36	35	00	N	166	07	9	1	16	15	3	31	00	30							9	15								4	12	UBW3							
2	36	35	00	N	166	07	9	1	16	15	3	31	00	30							9	15								4	12	UBW3							
3	36	35	00	N	166	07	9	1	16	15	3	31	00	30							9	15								4	12	UBW3							
4	36	35	00	N	166	07	9	1	16	15	3	31	00	30							9	15								4	12	UBW3							
5	36	35	00	N	166	07	9	1	16	15	3	31	00	30							9	15								4	12	UBW3							
6	36	35	00	N	166	07	9	1	16	15	3	31	00	30							9	15								4	12	UBW3							
7	36	35	00	N	166	07	9	1	16	15	3	31	00	30							9	15								4	12	UBW3							
8	36	35	00	N	166	07	9	1	16	15	3	31	00	30							9	15								4	12	UBW3							
9	36	35	00	N	166	07	9	1	16	15	3	31	00	30							9	15								4	12	UBW3							
10	36	35	00	N	166	07	9	1	16	15	3	31	00	30							9	15								4	12	UBW3							
11	36	35	00	N	166	07	9	1	16	15	3	31	00	30							9	15								4	12	UBW3							
12	36	35	00	N	166	07	9	1	16	15	3	31	00	30							9	15								4	12	UBW3							

[illegible]

VESSEL		CRUISE ID		PROJECT & LEG		STATION NO.															
NOAA's Oscar Dyson		DY1405		Eco-FOCI Spring Mooring Cruise		101															
CONSC CAST #	LATITUDE		LONGITUDE		DATE		TIME (GMT)	DRY BULB	Relative Humidity	PRESSURE	SEA STATE	VISIBILITY	WIND DIRN	WIND SPD	CLOUD (amt)	TYPE	WEATHER	BOTTOM DEPTH	STA. NAME/ID		
	DEG	MIN	DEG	MIN	DAY	MO	YR	HR	MIN	(°C)	(°C)	(mb)	*	(deg)	(kts)	*	*	(m)			
99	54	18.57	N	165	52	99	W	16	M	A	Y	14	20	41	3	89	9	30	15	110	UBWO
SBE 3+ _____ FLUOR S/N _____ PRESS SN _____ SBE43-Oxy (prine) _____ PRI TEMP SN _____ SBE43-Oxy (sec) _____ SEC TEMP SN _____ Transducer _____ PRI COND SN _____ PAR S/N _____ SEC COND SN _____																					
DEPTH		Positive Notes		Hydro Team-PWEL		Chloro-I		REMARKS													
No.	DESIRED	PWEL	SALT	Nuc.Btl	O2-Btl.No																
1	BSM	107		850	291																
2	75	74		851																	
3	50	50		852																	
4	40	40		853																	
5	30	30		854																	
6	20	20		855																	
7	10	11		856																	
8	0	2	50	857																	
9																					
10																					
11																					
12																					

VESSEL				CRUISE ID				PROJECT & LEG				STATION NO.																					
NOAAS Oscar Dyson				DY1405				Eco-Foot Spring Mooring Cruise				102																					
CONSC CAST #		LATITUDE		LONGITUDE		DATE		TIME (GMT)		DRY BULB		Relative Humidity		PRESSURE		SEA STATE		VISIBILITY		WIND DIRN.		WIND SPD.		CLOUD (amt)		TYPE		WEATHER		BOTTOM DEPTH		STA. NAME/ID	
106		54 20.38 N		165 25.71 W		16 MAY 14		02 23 3		4.59		1.		30		.		352		13		153										UBS4	
SBE 9+				FLUOR S/N																													
PRESS SN				SBE43-Oxy (prime)																													
PRT TEMP SN				SBE43-Oxy (sec)																													
SEC TEMP SN				Transducer																													
PRT COND SN				PAR S/N																													
SEC COND SN																																	
No.		DEPTH		Reef Notes		SALT		Nut. Bl		02-BTL No		Chloro-l																					
1		BTM		151				858																									
2		160		99				859																									
3		75		74				860																									
4		50		50				861																									
5		40		41				862																									
6		30		30				863																									
7		20		20				864																									
8		10		10				865																									
9		0		2				866																									
10																																	
11																																	
12																																	

REMARKS

MAX. DEPTH = 150 m

[illegible]

VESSEL		CRUISE ID		PROJECT & LEG		STATION NO.	
NOAA's Oscar Dyson		DYT 405		Eco-FOCI Spring Mooring Cruise		164	
CONSC CAST		LATITUDE		LONGITUDE		DATE	
#	DEG	MIN	SEC	DEG	MIN	DAY	NO
102	54	22	N	165	08	17	MAY 14
TIME (GMT)		DRY BULB		Relative Humidity		PRESSURE	
HR	MIN	(°C)	(%)	(mb)	SEA STATE	VISIBILITY	WIND DIRN
00	01	24	79	028			358
WIND SPD		WIND DIRN		WIND SPD		WIND DIRN	
(kts)	(deg)	(kts)	(deg)	(kts)	(deg)	(kts)	(deg)
1	40						
BOTTOM DEPTH		STA. NAME/ID		WEATHER		TYPE	
(m)							
140							
MAX DEPTH = 31							
REMARKS							
SBE 9+ _____ PRESS SN _____ PRI TEMP SN _____ SEC TEMP SN _____ PRI COND SN _____ SEC COND SN _____ SBE 43-0ny (prime) _____ SBE 43-0ny (sec) _____ Transducer _____ PAR S/N _____							
No		DEPTH		Rosette Notes		Hydro Team-P&E	
No.	DESIG	SALT	MURBI	O2-B/LMo	Chlor-a	Comments	
1	BTM	133	876	293			
2	100	100	877				
3	75	75	878				
4	50	49	879				
5	40	41	880				
6	30	31	881				
7	20	20	882				
8	10	10	883				
9	0	3	884				
10							
11							
12							

VESSEL NOAAS Oscar Dyson		CRUISE ID DY1405		PROJECT & LEG Eco-FOCI Spring Mooring Cruise		STATION NO. 105	
CONSEC #		LATITUDE		LONGITUDE		DATE	
10	35027.51	N	16459.13	W	17	MAY	14
SBE 9+ SBE43-SN SBE43-Oxy (prime) SBE43-Oxy (sec) SBE43-Oxy (sec) PAR S/N		FLUOR S/N		TIME (GMT)		DRY BULB	RELATIVE HUMIDITY
PRESS SN		SBE43-SN		HR		MIN	SEC
PAR TEMP SN		SBE43-SN		MIN		SEC	TEMP
SEC TEMP SN		SBE43-SN		MIN		SEC	TEMP
PAR COND SN		PAR S/N		MIN		SEC	COND
SEC COND SN		SEC S/N		MIN		SEC	COND
No.		DEPTH		SALT		HYDRO TEAM-PWEL	
DESIG		RESERVE NOTES		PAR. Btl		O2-SRL No	
1	BTM	47		885			
2	30	31		886			
3	20	20		887			
4	10	10		888			
5	0	2		52	889	294	
6							
7							
8							
9							
10							
11							
12							
REMARKS							
MAX DEPTH = 46 m							
Comments		Chlorophyll		SEA STATE		VISIBILITY	
WIND DIRN, SPD		WIND		CLOUD (amt)		TYPE	
WEATHER		BOTTOM DEPTH		STA. NAME/ID			
No.		No.		No.		No.	
1							
2							
3							
4							
5							
6							
7							
8							
9							
10							
11							
12							