

Did not use combustible

VESSEL Oscar Dyson		CRUISE ID DY1202		PROJECT & LEG ( if needed )		CTD File Name ( No need if data is live feed )		STATION NO.							
CTD consec CAST #		LATITUDE	LONGITUDE	GMT DATE (note if not)	GMT Time	WET BULB	PRESSURE	SEA STATE VISIBILITY	WIND DIRN.	WIN D SPD.	CLOUD (cm)	WEATHER	BOTTO M DEPTH	STA NAME/ID	
DEG	MIN	DEG	MIN	DAY	MO	YR	HR	MIN	(°C)	(°C)	(mb)	(deg)	(kts)	(m)	
05	165	19.868	N 167.00	52	08	5	12	06	15	7	1	18	13	132	132
<b>Sensor IDs (initially &amp; swap-outs)</b>		Local Time (AKDT)		1	2										
SBE type and S/N		911plus - Dyson		Pycnocline Depth= 38-44		Depth of FL max = Surface		CTD MAX. DEPTH = 132							
PRESS SN		772 - Dyson		Weather:											
TEMP 142 SNS		2376 and 4379 - Dyson		COMMENT: Difficult conditions, factors that may affect measurements or aid processing											
COND 142 SNS		2985 and 3127 - Dyson		Luminance & Chl a flt											
FLUOR SN		759 - EMA													
02 (SBE43) SN		904 and 910 - PMEL													
Transmiss SN		1066 - EMA													
PAR SN		70103 - EMA													
02 SBE42SN		N/A													
Nisk #	DEPTH DESIRED	Rosette Notes	Hydro Team-PMEL	Slacked GFF + >10 vol	Slacked dup vol	Unstack GFF vol	Unstack GFF dup vol	Unstack >10 vol	Unstack >10 dup vol	R/C 500 ml	Comments or other samples	Nisk #			
1	5 mab			12											1
2	125			13											2
3	100			14											3
4	75			15											4
5	50			16											5
6	40			17											6
7	—			18											7
8	30			19											8
9	20			—											9
10	—			—											10
11	10			20											11
12	0			21	239	2-250 bottles		250	250	250					12



VESSEL Oscar Dyson	CRUISE ID	PROJECT & LEG ( if needed) BASIS leg	CTD FileName (No need if data is live feed)	STATION NO.							
CTD consec CAST #	LATITUDE DEG	LONGITUDE DEG	GMT DATE DAY MO YR	GMT Time HR MIN	Temp (°C) (°C)	WET BULB (mb)	PRESSURE SEA STATE VISIBILITY	WIND DIRN. SPD.	WIN D CLOUD TYPE	BOTTO M DEPTH	STA NAME/ID
053	56.00	65.16800	08 SEP 12	19 47 7.6	23	07302	138				
Sensor IDs (Initially & swap-outs)		Local Time (AKDT)	1 2								
SBE type and S/N	911plus - Dyson	Pycnocline Depth=	25 - 40								
PRESS SN	772 - Dyson	Weather:	Partly cloudy, moderate wind, calm								
TEMP 1&2 SNS	2376 and 4378 - Dyson	COMMENT: Difficult conditions, factors that may affect measurements or aid processing	Limanaria on ch GFF at 10m. Limanaria at 50 m 2000p								
COND 1&2 SNS	2985 and 3127 - Dyson										
FLUOR SN	759 - EMA										
O2 (SBE43) SN	904 and 910 - PMEL										
Transmiss SN	1066 - EMA										
PAR SN	70103 - EMA										
O2 SBE42SN	N/A										
CTD MAX. DEPTH =											
Nisk #	DEPTH DESIRED	Rosette Notes	Hydro Team-PMEL	Stacked GFF+>10 vol	Stacked dup vol	Unstack GFF vol	Unstack GFF dup vol	Unstack >10 vol	Unstack >10 dup vol	POC 500 ml	Comments or other samples
1	100										Nisk #
2	125										1
3	100										2
4	75										3
5	50										4
6	40										5
7											6
8	30										7
9	20										8
10											9
11	10										10
12	0										11
											12

\* Labels ref B

VESSEL Oscar Dyson		CRUISE ID DY1208		PROJECT & LEG ( if needed ) BASIS leg T7		CTD File Name ( No need if data is live feed )										STATION NO.				
CTD consec CAST #		DEG	MIN	DEG	MIN	DAY	MO	YR	HR	MIN	Temp ( °C )	WET BULB ( °C )	PRESSURE ( mb )	SEA STATE VISIBILITY	WIND DIRN. ( deg )	WIN D SPD. ( kts )	CLOUD TYPE ( * )	WEATHER	BOTTO M DEPTH ( m )	STA NAME/ID
0	54	56	30	18N	167	59	.9	1	W	09	Sep	1	2004	7.9	33	03105	118			
<b>Sensor IDs (initially &amp; swap-outs)</b>		Local Time (AKDT)		1		2														
SBE type and S/N		911plus - Dyson		PRESS SN		772 - Dyson		Weather: Suny calm		Pycnocline Depth = 30-40 m		Depth of FL max = 200		Higher above than below pyc						
TEMP 142 SNS		2376 and 4379 - Dyson		COND 162 SNS		2985 and 3127 - Dyson		FLUOR SN		759 - EMA										
O2 (SBE43) SN		904 and 910 - PMEL		Transmiss SN		1066 - EMA		PAR SN		70103 - EMA										
PAR SBE42SN		N/A								Might have collected chl a resp or benth										
Nisk #	DEPTH	Rosette Notes		Hydro Team-PMEL		Slacked GFF +>10 vol	Slacked dup vol	Unstack GFF vol	Unstack GFF dup vol	Unstack >10 vol	Unstack >10 dup vol	POC 500 ml	Comments or other samples		Nisk #					
DESIRED		SALT		Nut/Bf		Oxy Bf														
1	Bot	485		485		486		487		488		489		490		491		492		
2	100																	250		
3	25																	250		
4	50																	250		
5	40																	250		
6	30																	250		
7	6																	250		
8	20																	250		
9	10																	250		
10	—																	250		
11	0																	250		
12																		250		





VESSEL Oscar Dyson		CRUISE ID		PROJECT & LEG ( if needed)		CTD File Name (No need if data is live feed)		STATION NO.						
CTD consec CAST #		LATITUDE	LONGITUDE	GMT DATE DAY	(note if not) MO	GMT Time HR	Temp (°C) YR	WET BULB (°C)	PRESSURE (mb)	SEA STATE VISIBILITY	WIND DIRN (deg)	WIN SPD. (kts)	BOTTO M DEPTH	STA NAME/D
DEG	MIN	DEG	MIN			MIN	(°C)	(°C)	(mb)	*	*	*	*	(m)
0	5	7	5	8	00	.12	N	16	7	59	.92	W	SEP 12	1951
													1951	18
														68
<b>Sensor IDs (initially &amp; swap-outs)</b>		Local Time (AKDT)		1		2								
SBE type and S/N		911plus - Dyson		Pycnocline Depth = 22-27		Depth of FL max = 10 m								
PRESS SN		772 - Dyson		Weather: Fairly calm overcast		Higher above pyc								
TEMP 1&2 SNS		2376 and 4379 - Dyson												
COND 1&2 SNS		2985 and 3127 - Dyson												
FLUOR SN		759 - EMA												
02 (SBE43) SN		904 and 910 - PMEL												
Transmiss SN		1066 - EMA												
PAR SN		70103 - EMA												
02 SBE42SN		N/A												
Nisk #	DEPTH	ROSETTE NOTES	Hydro Team PMEL	Stacked GFF +>10 vol	Stacked GFF dup vol	Unstack GFF vol	Unstack GFF dup vol	Unstack >10 vol	Unstack >10 dup vol	POC 500 ml	Comments or other samples	Nisk #		
1	Bot		4/69 5/2 /74									1		
2	50		5/3									2		
3	40		5/4									3		
4	30		5/5									4		
5	20		5/6									5		
6	10		5/7									6		
7	—		—									7		
8	0		5/8									8		
9												9		
10												10		
11												11		
12												12		











VESSEL Oscar Dyson		CRUISE ID DY1208	PROJECT & LEG ( if needed ) BASIS leg 2		CTD File Name (No need if data is live feed)		STATION NO. 93													
CTD consec CAST #		LATITUDE	LONGITUDE	GMT (note if not)	GMT	TEMP METER TYPE	PRESSURE	BOTTO M	STA. NAME/ID											
DEG	MIN	DEG	MIN	DAY	MO	YR	HR	MIN	(°C)	(°C)	(mb)	(deg)	(kts)	CLOUD (amt)	WIND DIRN. SPD.	WIN D TYPE	WEATHER	DEPTH	(m)	
D 6 3	6 0	0 0 . 6 4 N	1 6 8 0 1 . 2 3 W	1 1	S E P	1 2	1 4	0 8	7 . 5	1 0 1 . 0 3	1 0 7 1	1 5	2 7							
<b>Sensor IDs (initially &amp; swap-outs)</b>																				
SBE type and S/N		911plus - Dyson		Local Time (AKDT)		1 2		Depth of FL max =		Below 10 m ~1 m <sup>3</sup>		CTD MAX. DEPTH = 200								
PRESS SN		772 - Dyson		Pycnocline Depth =		none		Weather: Dry		K										
TEMP 1 & 2 SNS		2376 and 4379 - Dyson		COMMENT: Difficult conditions, factors that may affect measurements or aid processing																
COND 1&2 SNS		2985 and 3127 - Dyson																		
FLUOR SN		759 - EMA																		
O2 (SBE3) SN		904 and 910 - PMEL																		
Transmiss SN		1086 - EMA																		
PAR SN		70103 - EMA																		
O2 SBE425N		N/A																		
Nisk #	DEPTH	Rolette Notes	Hydro Team-PMEL	Stacked GFF >10 vol	Stacked dup vol	Unstack GFF vol	Unstack GFF dup vol	Unstack >10 vol	Unstack >10 dup vol	POC 500 ml	Comments on other samples		Nisk #							
1	Bot 22		546										1							
2	20		547								250		250		M2		2			
3	10		548								500		250		X		MZ		3	
4	0		472	549	-059						250								4	
5																			5	
6																			6	
7																			7	
8																			8	
9																			9	
10																			10	
11																			11	
12																			12	



VESSEL <b>Oscar Dyson</b>		CRUISE ID		PROJECT & LEG ( if needed)				CTD File Name (No need if data is live feed)				STATION NO.			
CTD consec CAST #		LATITUDE	LONGITUDE	GMT DATE		(note if not)	GMT Time	Temp (°C)	MET BHE	PRESSURE	SEA STATE VISIBILITY	WIND DIRN	WIN D CLOUD (amt)	BOTTO M DEPTH	STA. NAME/ID
DEG	MIN	DEG	MIN	DAY	MO	YR	HR	°C	(°C)	(mb)	• • (deg)	(kts) • • (deg)	(m)		
0	65	59	00.72N	16859	60	W	12	58	12	0205	8.792	06	012	15	52
<b>Sensor IDs (Initially &amp; swap-outs)</b>				Local Time (AKDT)				1	2						CTD MAX. DEPTH = 50
SBE type and S/N				Pycnocline Depth= 25 - 30 m				Depth of FL max = 12 m							
PRESS S/N				Weather:											
TEMP 1 & 2 S/Ns				COMMENT: Difficult conditions, factors that may affect measurements or aid processing											
COND 1&2 S/Ns															
FLUOR S/N															
O2 (SBE43) S/N															
Transmiss S/N															
PAR S/N															
O2 SBE2SN															











VESSEL Oscar Dyson		CRUISE ID S112-08		PROJECT & LEG ( if needed) BASIS leg 2		CTD File Name (No need if data is live feed)										STATION NO.								
CTD consec CAST #		LATITUDE	LONGITUDE	GMT (note if not)		GMT		Temp (°C)		PRESSURE mb		SEA STATE VISIBILITY		WIND SPD.		WIN D CLOUD (amt) TYPE WEATHER		BOTTO M DEPTH		STA NAME/ID				
				DEG	MIN	DEG	MIN	DAY	MO	YR	HR	MIN	(°C)	(mb)	(deg)	(kts)	(m)							
07	156	00.49N	168 59.77W	135	SEP	1	2	1931	6	797	008	14.2	20	1300	106									
<b>Sensor IDs (initially &amp; swap-outs)</b>				Local Time (AKDT)				1	2															
SBE type and S/N	911plus - Dyson	Pycnocline Depth = ~22 - 35 m						Depth of FL max = ~22 m																
PRESS S/N	772 - Dyson	Weather:																						
TEMP 1 & 2 S/Ns	2376 and 4378 - Dyson	COMMENT: Difficult conditions, factors that may affect measurements or aid processing																						
COND 1&2 S/Ns	2985 and 3127 - Dyson																							
FLUOR S/N	759 - EMA																							
O2 (SBE42) S/N	904 and 910 - PMEL																							
Transmiss S/N	1066 - EMA																							
PAR S/N	70103 - EMA																							
O2 SBE42 S/N	N/A																							
Nisk #	DEPTH	Rosette Notes	Hydro Team-PMEL	Stacked GFP >510 vol	Stacked GFP dup vol	Unstack GFP vol	Unstack GFP dup vol	Unstack >10 vol	Unstack >40 dup vol	POC 500 ml	Comments or other samples		Nisk #											
1	340		•476 42 •183																					
2	250		43																					
3	150		44																					
4	100		45																					
5	80		46																					
6	40		47																					
7	—		—																					
8	30		48																					
9	20		49																					
10	—		—																					
11	10		50																					
12	0		51																					

CTD MAX. DEPTH = 348







VESSEL Oscar Dyson		CRUISE ID		PROJECT & LEG ( if needed )		CTD FileName (No need if data is live feed)		STATION NO.			
CTD consec CAST #	LATITUDE	LONGITUDE	GMT DATE	(note if not)	GMT Time	Temp (°C)	PRESSURE MB	SEA STATE	WIND DIRN SPD.	BOTTO M DEPTH	STA NAME
DEG	MIN	DEG	MIN	DAY	MO	YR	HR	MIN	(°C)	(kt)	(m)
0	7	55	7	29	.8	0	17	00	.3	1	5
S	E	S	E	W	S	E	W	S	W	S	E
Sensor IDs (initially & swap-outs)											
SBE type and S/N	911plus - Dyson										
PRESS SN	772 - Dyson										
TEMP 1&2 S/Ns	2376 and 4379 - Dyson										
COND 1&2 S/Ns	2085 and 3127 - Dyson										
FLUOR SN	759 - EMA										
02 (SBE43) SN	804 and 910 - PMEL										
Transmiss SN	1066 - EMA										
PAR SN	70103 - EMA										
O2 SBE42SN	N/A										
Sensor IDs (initially & swap-outs)		Local Time (AKDT)		1		2					
SBE type and S/N		Pycnocline Depth = 34 - 36						Depth of FL max = L20m			
PRESS SN		Weather:									
TEMP 1&2 S/Ns		COMMENT: Difficult conditions, factors that may affect measurements or aid processing									
COND 1&2 S/Ns		CHW BLANKS									
FLUOR SN		Phyt in wrong									
02 (SBE43) SN											
Transmiss SN											
PAR SN											
O2 SBE42SN											
Risk #		DEPTH		Bottom Notes		Bottom Type		Bottom Comp		Bottom Rock	
Desired		Sediment		Sediment		Sediment		Sediment		Sediment	
100		478		38		016					
50		39				250				600	
40		80				250				601	
30		81				250		25		602	
20		82				250				603	
10		83				250				604	
7		—								605	
8		—								606	
9		84								607	
10		—								608	
11										609	
12										610	





VESSEL <b>Oscar Dyson</b>		CRUISE ID <b>04/22-04</b>		PROJECT & LEG (if needed) BASIS leg <b>T</b>		CTD File Name (No need if data is live feed)		STATION NO. <b>118</b>																
CTD consec CAST #	LATITUDE	LONGITUDE	GMT DATE	(note if not)	GMT Time	Temp (°C)	RH % WET BULB	PRESSURE mb	SEA STATE VISIBILITY	WIND DIRN SPD.	WIN D CLOUD (amt)	BOTTO M DEPTH	STA. NAMEID											
DEG	MIN	DEG	MIN	DAY	MO	YR	HR	MIN	(°C)	(°C)	(mb)	*	(deg)	(kts)	*	*	*							
0	7	8	6	2	1	1	.2	0	17	4	17	12	0	7	4	9	2	1.8	74	10	12	70	44	12
SBE type and S/N	9 11plus - Dyson		Local Time (AKDT)		1		2										CTD MAX. DEPTH = 66							
PRESS SN	772 - Dyson		Pycnocline Depth = 24 ~		Weather: partly cloudy		seas: 2-3		Depth of FL max = none															
TEMP 1&2 SNs	2376 and 4379 - Dyson		<b>COMMENT:</b> Difficult conditions, factors that may affect measurements or aid processing																					
COND 1&2 SNs	2985 and 3127 - Dyson		<i>Note 106 used for underway</i>																					
FLUOR SN	759 - EMA																							
O2 (SBE43) SN	904 and 910 - PMEL																							
Transmiss SN	1066 - EMA																							
PAR SN	70103 - EMA																							
O2 SBE42SN	N/A																							
Nisk #	DEPTH	Rosette Notes	HydroTeam-PMEL	Stacked GFF +>10 vol	Stacked dup vol	Unstack GFF vol	Unstack GFF dup vol	Unstack >10 vol	Unstack >10 dup vol	POC 500 ml	Comments or other samples	Recovered	Nisk #											
1	500	66	99	100		240						621	1											
2	50					267						622	2											
3	40					240						623	3											
4	30					288						624	4											
5	20					240						625	5											
6	10					626						626	6											
7	—					—						—	7											
8	D		105 .290			241						627	8											
9												—	9											
10												—	10											
11												—	11											
12												—	12											



















VESSEL <b>Oscar Dyson</b>		CRUISE ID <b>2012-08</b>		PROJECT & LEG ( if needed )				CTD File Name (No need if data is live feed)				STATION NO.			
CTD consec CAST #		LATITUDE	LONGITUDE	GMT DATE	(note if not)	GMT Time	Temp (°C)	RH RH%	WET RH%	PRESSURE	SEA STATE	WIND DIRN.	WIN D SPD.	BOTTO M DEPTH	STA NAME/ID
DEG	MIN	DEG	MIN	DAY	MO	YR	HR	MIN	(°C)	(°C)	(mb)	(deg)	(kts)	(m)	
0	88	61	24.81	N	173	44.16	W	18	SEP	12	2329	4.7	74.97	01315	76128
<b>Sensor IDs (initially &amp; swap-outs)</b>		Local Time (AKDT)				1	2								CTD MAX. DEPTH =
SBE type and SN	911plus - Dyson	Pycnocline Depth= 19 - 26				Depth of FL max = 30				Weather:				100051	
PRESS SN	772 - Dyson														
ITEM 1 & 2 SNS	2376 and 4379 - Dyson					<b>COMMENT: Difficult conditions, factors that may affect measurements or aid processing</b>									
COND 1&2 SNS	2985 and 3127 - Dyson														
FLUOR SN	759 - EMA														
02 (SBE43) SN	904 and 910 - PMEL														
Transmiss SN	1086 - EMA														
PAR SN	70103 - EMA														
02 SBE42SN	N/A														
Risk #		DEPTH	Rosette Notes	Hydro Team-PMEL		Stacked GFF + >10 vol	Stacked dup vol	Unstack GFF vol	Unstack GFF dup vol	Unstack >10 vol	Unstack >10 dup vol	POC 500ml	Comments or other samples		Risk #
DESIRED		SALT Btl	NutBtl	DMBtl											
1	72			131.0294									691		1
2	50			132									692		2
3	40			133									693		3
4	30			134									694		4
5	20			135									695		5
6	10			136									696		6
7	-			137									697		7
8	0			138									698		8
9													699		9
10													700		10
11													701		11
12													702		12





VESSEL Oscar Dyson		CRUISE ID 07/12 - 08	PROJECT & LEG ( if needed ) BASIS leg <u>II</u>	CTD File Name ( No need if data is live feed )	STATION NO. <u>131</u>									
CTD consec CAST #		LATITUDE	LONGITUDE	GMT (note if not)	GMT Time	Temp (°C)	RH % WET	PRESSURE	SEA STATE	WIND DIRN. SPD.	WIN D CLOUD Tmt)	BOTTO M DEPTH	STA NAME/ID	
DEG	MIN	DEG	MIN	DAY	MO	YR	HR	MIN	(°C)	(°C)	(mb)	(deg)	(kts)	(m)
09	16	54.80	N	173	49	23	W	19	5	12	04	05	4.1	82
														22
														44
														66
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														44

VESSEL Oscar Dyson		CRUISE ID		PROJECT & LEG (if needed)		CTD File Name (No need if data is live feed)		STATION NO.					
CTD consec CAST #		LATITUDE	LONGITUDE	GMT DATE (note if not)	GMT Time	Temp (°C)	WHT. REFL.	PRESSURE SEA STATE	WIND DIRN.	WIN D. SPD.	BOTTO M DEPTH	NAME/ID	
DEG	MIN	DEG	MIN	DAY	MO	YR	HR	MIN (°C)	DIRN. (deg)	(kts)	(m)		
D	9	2	60	44.	15	N	173	39.	18	W	19	5	E P 1 2 0 5 3 1 3 . 3
SBE type and SN		9 11plus - Dyson		Pycnocline Depth = 28-32		Depth of FL max = surface		CTD MAX. DEPTH = 68					
PRESS SN		772 - Dyson		Weather: mostly clear seas 4-6									
TEMP 1&2 SNS		2376 and 4379 - Dyson		COMMENT: Difficult conditions, factors that may affect measurements or aid processing									
COND 1&2 SNS		2985 and 3127 - Dyson											
FLUOR SN		759 - EMA											
O2 (SBE43) SN		904 and 910 - PMEL											
Transmiss SN		1066 - EMA											
PAR SN		70103 - EMA											
O2 SBE42SN		N/A											
<b>Sensor IDs (initially &amp; swap-outs)</b>													
Nisk #	DEPTH	ROSETTE INDEX	THICKNESS - EVEL	STATION	STATION	UNPACK	INSTANT	INSTANT	INSTANT	ROSE	Comments - Other samples	Nisk #	
	DESIGNED	SET	DEPTH	NUMBER	NUMBER	TIME	TIME	TIME	TIME	TIME			
1	500	68		11	287						219	1	
2	50			12							220	2	
3	40										221	3	
4	30										222	4	
5	20										223	5	
6	10										224	6	
7	—										—	7	
8	D										225	8	
9											—	9	
10											—	10	
11											—	11	
12											—	12	

VESSEL Oscar Dyson		CRUISE ID DY12-08		PROJECT & LEG (if needed) Basis leg $\pi$		CTD File Name (No need if data is live feed)		STATION NO. 133													
CTD consec CAST #	LATITUDE	LONGITUDE	DEPTH	MIN	DAY	MO	YR	HR	MIN	Temp (°C)	(°C)	(mb)	(deg)	(kts)	(m)	WIND D SPD.	CLOUD TYPE	WIND DEPTH	BOTTO M DEPTH	STA NAME/ID	
093	60 34 .33 N	173 38 .62 W	19 SEP 12 0701	3.9	19	SEP	12	07	01	15.1	15.1	1015	15	70	70	14	15	70	70		
Sensor IDs (initially & swap-outs)	Local Time (AKDT)		1	2																	
SBE type and SN	91'plus - Dyson		Pycnocline Depth = 23 - 27 ; 30 - 36		Depth of FL max = above 15 → about the same		Weather: dark seas : 3-5 ft		CTD MAX. DEPTH = 67												
PRESS SN	772 - Dyson																				
TEMP 1&2 SNS	2376 and 4379 - Dyson																				
COND 1&2 SNS	2985 and 3127 - Dyson																				
FLUOR SN	759 - EMA																				
02(SBE43) SN	904 and 910 - PMEL																				
Transmiss SN	1066 - EMA																				
PAR SN	70103 - EMA																				
02 SBE42SN	N/A																				
Nisk #	DEPTH	Rosette Notes	Hydro Team-PMEL		Stacked GFF +>10 vol	Stacked GFF dup vol	Unstack GFF vol	Unstack GFF dup vol	Unstack >10 vol	Unstack >10 dup vol	POC 500 ml	Comments or other samples		Nisk #							
1	5 m	67			18									226							
2	50				19							227		2							
3	40				20							228		3							
4	30				21							229		4							
5	20				22							230		5							
6	10				23							231		6							
7	-				-							-		7							
8	D				48	24	• 288					232		8							
9												-		9							
10												-		10							
11												-		11							
12												-		12							

VESSEL Oscar Dyson		CRUISE ID. DY2-04		PROJECT & LEG (if needed) BASIS leg <u>II</u>		CTD File Name (No need if data is live feed)										STATION NO. <u>134</u>				
CTD consec CAST #	LATITUDE		LONGITUDE		GMT DATE (note if not)		GMT Time		RH % WET BULB		PRESSURE SEA STATE VISIBILITY		WIND DIRN. SPD.		WIN D CLOUD (amt) TYPE WEATHER		BOTTO M DEPTH		STA NAME/ID	
	DEG	MIN	DEG	MIN	DAY	MO	YR	HR	MIN	(°C)	(°C)	(mb)	*	(deg)	(kts)	*	(m)			
D 9 4 6 0 2 5 . 6 2 N 1 2 3 3 5 . 5 0 W 1 9 S E P 1 2 1 2 0 8 4 . 1																				
SBE type and S/N	9 11plus - Dyson		PRESS SN	772 - Dyson		TEMP 1&2 SNS	2376 and 4379 - Dyson		COND 1&2 SNS	2985 and 3127 - Dyson		FLUOR SN	759 - EMA		O2 (SBE43) SN	904 and 910 - PMEL		Transmiss SN	1066 - EMA	
PAR SN	70103 - EMA		O2 SBE42SN	N/A																
<b>Sensor IDs (initially &amp; swap-outs)</b>		<b>Local Time (AKDT)</b>		<b>Pycnocline Depth = 25 - 31</b>		<b>Depth of FL max = 3 m</b>		<b>Weather: Dark seas 3-5</b>										<b>CTD MAX. DEPTH = 63</b>		
Nisk #	DEPTH	Rosette Notes		Hydro Team-PMEL		Stacked GFF + >10 vol	Stacked dup vol	Unstack GFF	Unstack GFF-dup vol	Unstack SR/0 vol	Unstack >10 dup vol	POC 500 ml	Comments or other samples		Nisk #					
1	5	63		25 . 234									733		1					
2	50	26		26									734		2					
3	40	27		27									735		3					
4	30	28		28									736		4					
5	20	29		29									737		5					
6	10	30		290									738		6					
7	—	—		—									—		7					
8	0	31		291									739		8					
9													—		9					
10													—		10					
11													—		11					
12													—		12					



VESSEL Oscar Dyson		CRUISE ID 09/2-08		PROJECT & LEG (if needed) BASIS leg		CTD File Name (No need if data is live feed)		STATION NO.						
CTD consec CAST #		LATITUDE	LONGITUDE	GMT DATE	(note if not)	GMT Time	RH% TEMP	PRESSURE	SEA STATE IDNR.	WIND SPD. DIRN.	WIN D CLOUD (amt)	BOTTO M DEPTH	STA NAME/D	
DEG	MIN	DEG	MIN	DAY	MO	YR	Temp (°C)	Barb	VISIBILITY	SPD.	TYPE	WEATHER		
096	60	06.19	N 173	19.51	W	19 SEP 12	1042	4.0	81.0	346	13	23	30M13	
<b>Sensor IDs (initially &amp; swap-outs)</b>		Local Time (AKDT)		1 2										
SBE type and S/N		9 11plus - Dyson		Pycnocline Depth = 23 - 26 m		Depth of FL max = 20 m and above								
PRESS SN		772 - Dyson		Weather:										
TEMP 1&2 SNS		2376 and 4379 - Dyson		<b>COMMENT: Difficult conditions, factors that may affect measurements or aid processing</b>										
COND 1&2 SNS		2985 and 3127 - Dyson												
FLUOR SN		759 - EMA												
O2 (SBE43) SN		904 and 910 - PMEL												
Transmiss SN		1066 - EMA												
PAR SN		70103 - EMA												
O2 SBE42SN		N/A												
Nisk #	DEPTH	Rosette Notes		Hydro Team PMEL	Stacked GFF + >10 vol	Stacked GFF dup vol	Unstack GFF vol	Unstack GFF dup vol	Unstack >10 vol	Unstack >10 dup vol	POC 500 ml	Comments or other samples		
1	68 m	SALE Bi Nut Bi Oxy Bi		39	• 174								7417	
2	50			40			290						748	
3	40			41			287						749	
4	30			42			290						750	
5	20			43			288						751	
6	10			44			290						752	
7	-			-			-						753	
8	0			45			291						754	
9													755	
10													756	
11													757	
12													758	











3649635036



VESSEL Oscar Dyson		CRUISE ID DY2-08		PROJECT & LEG ( if needed) BASIS leg		CTD File Name (No need if data is live feed)										STATION NO.	
CTD consec CAST #		LATITUDE	LONGITUDE	GMT DATE (note if not)	GMT Time	WET TEMP	PRESSURE	WIND DIRN.	WIN D CLOUD (amt)	WIN TYPE	BOTTO M	STA NAME/ID					
DEG	MIN	DEG	MIN	DAY	MO	YR	HR	MIN	(°C)	(°C)	(mb)	*	*	*	*	DEPTH (m)	
10	45	59	46.58N	17123.03W	19	SEP	12	23	13	5.4	89.00	31	17	73	13		
<b>Sensor IDs (initially &amp; swap-outs)</b>		Local Time (AKDT)		1 2													
SBE type and S/N		911plus - Dyson		Pycnocline Depth = ~26 - 28 m				Depth of FL max = ~26 m		~1 mg/m³							
PRESS SN		772 - Dyson		Weather:													
TEMP 1&2 SNS		2376 and 4379 - Dyson		<b>COMMENT: Difficult conditions, factors that may affect measurements or aid processing</b>				TRANSITION BACK ON CTD		40m3							
COND 1&2 SNS		2985 and 3127 - Dyson															
FLUOR SN		759 - EMA															
O2 (SBE43) SN		904 and 910 - PMEL															
Transmiss SN		1066 - EMA															
PAR SN		2046B--EMA 4603-PMEL															
O2 SBE42SN		N/A															
Nisk #	DEPTH	Rosette Notes		Hydro Team-PMEL		Stacked GFF vol	Stacked dup vol	Unstack GFF vol	Unstack GFF dup vol	Unstack >10 vol	Unstack >10 dup vol	Unstack 500 ml vol	POC Comments or other samples	Nisk #			
1	69			SALT BH		916	32						203	1			
2	50			Nut BH		97							204	2			
3	—			—										3			
4	40			Oxy BH		98							805	4			
5	30			—		99							206	5			
6	20			—		100							807	6			
7	10			—		101							808	7			
8	0			—		102							809	8			
9				—										9			
10				—										10			
11				—										11			
12				—										12			

VESSEL <b>Oscar Dyson</b>		CRUISE ID <b>SBE42-08</b>		PROJECT & LEG ( if needed )		CTD File Name (No need if data is live feed)		STATION NO.												
CTD consec CAST #		DEG	MIN	DEG	MIN	DAY	MO	YR	HR	MIN	(°C)	(°C)	(mb)	•	(deg)	(kts)	*	*	(m)	
10	559	42.0	1	17	130	36	W	19	SEP	12	23	55	4.9	88.00	311	17			76	
										1	2									
<b>Sensor IDs (initially &amp; swap-outs)</b>		Local Time (AKDT)		Depth of FL max = -288 ~1.5 mg/m³		CTD MAX. DEPTH = 633														
SBE type and S/N		91plus - Dyson		Pycnocline Depth= 27-33 m		Depth of FL max = -288 ~1.5 mg/m³														
PRESS S/N		772 - Dyson		Weather:																
TEMP 1&2 S/Ns		2376 and 4379 - Dyson																		
COND 1&2 S/Ns		2985 and 3127 - Dyson																		
FLUOR S/N		759 - EMA																		
O2 (SBE43) S/N		904 and 910 - PMEL																		
Transmiss S/N		1066 - EMA																		
PAR S/N		20400 - EMA		N/A																
O2 SBE42S/N		N/A																		
Nisk #	DEPTH	Rosette Notes		Hydro Team-PMEL		Stacked GFF >10 vol	Stacked dup vol	Unstack GFF vol	Unstack GFF dup vol	Unstack >10 vol	Unstack >10 dup vol	RAC 500:ml	Comments or other samples		Nisk #					
	DESIRED	SALT Bit	Nut Bit	Dyv Bit																
1	70				103												810		1	
2	50				104												811		2	
3	-																812		3	
4	40																813		4	
5	30																814		5	
6	20																815		6	
7	10																816		7	
8	0				108												817		8	
9					109	109	109										818		9	
10																	819		10	
11																	820		11	
12																	821		12	









VESSEL Oscar Dyson		CRUISE ID DY12-08		PROJECT & LEG ( if needed )		CTD File Name ( No need if data is live feed )		STATION NO.																																																																																																																																					
CTD consec CAST #		LATITUDE	LONGITUDE	GMT DATE	( note if not)	GMT Time	RH % WET BULB	PRESSURE	STA NAME/ID																																																																																																																																				
DEG	MIN	DEG	MIN	DAY	MO	YR	HR	MIN	DEPTH																																																																																																																																				
110	59	14.65	N	17024	35W	205	120658	41.791	15m																																																																																																																																				
							1	2																																																																																																																																					
<b>Sensor IDs (initially &amp; swap-outs)</b>		Local Time (AKDT)		Depth of FL max =		= 1 m <sup>3</sup> above 25 m		CTD MAX DEPTH = 67																																																																																																																																					
SBE type and S/N		911plus - Dyson		Pycnocline Depth = 15 - 31		Weather:																																																																																																																																							
PRESS SN		772 - Dyson																																																																																																																																											
TEMP 162 SNS		2376 and 4379 - Dyson				<b>COMMENT: Difficult conditions, factors that may affect measurements or aid processing</b>																																																																																																																																							
COND 162 SNS		2985 and 3127 - Dyson																																																																																																																																											
FLUOR SN		759 - EMA																																																																																																																																											
O2 (SBE43) SN		904 and 910 - PMEL																																																																																																																																											
Transmiss SN		1066 - EMA																																																																																																																																											
PAR SN		20469 - EMA		14603 PMEL																																																																																																																																									
O2 SBE42SN		N/A																																																																																																																																											
<table border="1"> <thead> <tr> <th>Nisk #</th> <th>DEPTH</th> <th>Rosette Notes</th> <th colspan="2">Hydro Team-PMEL</th> <th>Stacked GFF +&gt;10 vol</th> <th>Stacked dup vol</th> <th>Unstack GFF vol</th> <th>Unstack GFF dup vol</th> <th>Unstack &gt;10 vol</th> </tr> <tr> <th></th> <th></th> <th></th> <th>SALT Blt</th> <th>Nut Blt</th> <th>Oxy Blt</th> <th></th> <th></th> <th></th> <th></th> </tr> </thead> <tbody> <tr> <td>1</td> <td>67</td> <td></td> <td>139</td> <td>x 064</td> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td>2</td> <td>50</td> <td></td> <td>140</td> <td></td> <td></td> <td>290</td> <td></td> <td></td> <td>845</td> </tr> <tr> <td>3</td> <td>—</td> <td></td> <td>—</td> <td></td> <td></td> <td>—</td> <td></td> <td></td> <td>846</td> </tr> <tr> <td>4</td> <td>40</td> <td></td> <td>141</td> <td></td> <td></td> <td>290</td> <td></td> <td></td> <td>—</td> </tr> <tr> <td>5</td> <td>30</td> <td></td> <td>142</td> <td></td> <td></td> <td>288</td> <td></td> <td></td> <td>3</td> </tr> <tr> <td>6</td> <td>20</td> <td></td> <td>143</td> <td></td> <td></td> <td>290</td> <td></td> <td></td> <td>847</td> </tr> <tr> <td>7</td> <td>10</td> <td></td> <td>145</td> <td>*</td> <td>Note: out of sequence</td> <td>287</td> <td></td> <td></td> <td>4</td> </tr> <tr> <td>8</td> <td>0</td> <td></td> <td>144</td> <td></td> <td></td> <td>291</td> <td></td> <td></td> <td>5</td> </tr> <tr> <td>9</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td>6</td> </tr> <tr> <td>10</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td>7</td> </tr> <tr> <td>11</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td>8</td> </tr> <tr> <td>12</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td>9</td> </tr> </tbody> </table>	Nisk #	DEPTH	Rosette Notes	Hydro Team-PMEL		Stacked GFF +>10 vol	Stacked dup vol	Unstack GFF vol	Unstack GFF dup vol	Unstack >10 vol				SALT Blt	Nut Blt	Oxy Blt					1	67		139	x 064						2	50		140			290			845	3	—		—			—			846	4	40		141			290			—	5	30		142			288			3	6	20		143			290			847	7	10		145	*	Note: out of sequence	287			4	8	0		144			291			5	9									6	10									7	11									8	12									9	
Nisk #	DEPTH	Rosette Notes	Hydro Team-PMEL		Stacked GFF +>10 vol	Stacked dup vol	Unstack GFF vol	Unstack GFF dup vol	Unstack >10 vol																																																																																																																																				
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1	67		139	x 064																																																																																																																																									
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12									9																																																																																																																																				

VESSEL <b>Oscar Dyson</b>		CRUISE ID <b>DY12-D8</b>	PROJECT & LEG ( if needed) <b>II</b>		CTD File Name (No need if data is live feed)		STATION NO. <b>151</b>																																																																																																																																																																																																																																																																												
CTD consec CAST #		LATITUDE	LONGITUDE	GMT	(note if not)	GMT	RH %	WET -BTWB	PRESSURE	SEA STATE	VISIBILITY	WIND DIRN.	WIN D	CLOUD (amt)	WEATHER	BOTTO M	NAME/ID																																																																																																																																																																																																																																																																		
				DEG	MIN	DEG	MIN											DAY	MO	YR	HR	MIN	(°C)	(°C)	(mb)	*	(deg)	(kts)	*	*	(m)																																																																																																																																																																																																																																																				
1	1	59	06.721	1	170	14.67	W	20	5	E	P	120821	5.0	90	.	05	29313	13	69																																																																																																																																																																																																																																																																
<b>Sensor IDs (initially &amp; swap-outs)</b>		Local Time (AKDT)		1		2														CTD MAX. DEPTH = 65																																																																																																																																																																																																																																																															
SBE type and S/N		911plus - Dyson																		Depth of FL max =																																																																																																																																																																																																																																																															
PRESS SN		772 - Dyson																		~ 1.2 m <sup>3</sup> above 25m																																																																																																																																																																																																																																																															
TEMP 1 & 2 SNS		2376 and 4379 - Dyson																		Weather: Dark seas 3-4 ft.																																																																																																																																																																																																																																																															
COND 1&2 SNS		2985 and 3127 - Dyson																		<b>COMMENT: Difficult conditions, factors that may affect measurements or aid processing</b>																																																																																																																																																																																																																																																															
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PAR SN		90403 - EMA																																																																																																																																																																																																																																																																																	
O2 SBE42SN		N/A																																																																																																																																																																																																																																																																																	
<table border="1"> <thead> <tr> <th rowspan="2">Nisk #</th> <th rowspan="2">DEPTH</th> <th colspan="2">Rosette Notes</th> <th colspan="2">Hydro Team-PMEL</th> <th>Stacked GFF &gt;10 vol</th> <th>Stacked dup vol</th> <th>Unstack GFF vol</th> <th>Unstack GFF dup vol</th> <th>Unstack &gt;10 vol</th> <th>Unstack &gt;10 dup vol</th> <th>POC 500 ml</th> <th colspan="2">Comments or other samples</th> <th>Nisk #</th> </tr> <tr> <th>DESIRED</th> <th>SALT/BT</th> <th>Nut/BT</th> <th>Oxy/BT</th> <th></th> </tr> </thead> <tbody> <tr> <td>1</td> <td>65</td> <td>*</td> <td>32</td> <td>146</td> <td></td> <td>852</td> <td>1</td> </tr> <tr> <td>2</td> <td>50</td> <td></td> <td></td> <td>142</td> <td></td> <td>853</td> <td>2</td> </tr> <tr> <td>3</td> <td>-</td> <td></td> <td>3</td> </tr> <tr> <td>4</td> <td>40</td> <td></td> <td></td> <td>148</td> <td></td> <td>854</td> <td>4</td> </tr> <tr> <td>5</td> <td>30</td> <td></td> <td></td> <td>149</td> <td></td> <td>855</td> <td>5</td> </tr> <tr> <td>6</td> <td>20</td> <td></td> <td></td> <td>150</td> <td></td> <td>856</td> <td>6</td> </tr> <tr> <td>7</td> <td>10</td> <td></td> <td></td> <td>151</td> <td></td> <td>857</td> <td>7</td> </tr> <tr> <td>8</td> <td>0</td> <td></td> <td></td> <td>152</td> <td>*</td> <td>187</td> <td></td> <td>858</td> <td>8</td> </tr> <tr> <td>9</td> <td></td> <td>9</td> </tr> <tr> <td>10</td> <td></td> <td>10</td> </tr> <tr> <td>11</td> <td></td> <td>11</td> </tr> <tr> <td>12</td> <td></td> <td>12</td> </tr> </tbody> </table>																		Nisk #	DEPTH	Rosette Notes		Hydro Team-PMEL		Stacked GFF >10 vol	Stacked dup vol	Unstack GFF vol	Unstack GFF dup vol	Unstack >10 vol	Unstack >10 dup vol	POC 500 ml	Comments or other samples		Nisk #	DESIRED	SALT/BT	Nut/BT	Oxy/BT											1	65	*	32	146													852	1	2	50			142													853	2	3	-																	3	4	40			148													854	4	5	30			149													855	5	6	20			150													856	6	7	10			151													857	7	8	0			152	*	187											858	8	9																		9	10																		10	11																		11	12																		12
Nisk #	DEPTH	Rosette Notes		Hydro Team-PMEL		Stacked GFF >10 vol	Stacked dup vol	Unstack GFF vol	Unstack GFF dup vol	Unstack >10 vol	Unstack >10 dup vol	POC 500 ml	Comments or other samples		Nisk #																																																																																																																																																																																																																																																																				
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VESSEL <b>Oscar Dyson</b>		CRUISE ID <b>DY12-08</b>		PROJECT & LEG ( if needed)		CTD File Name (No need if data is live feed)		STATION NO.										
CTD consec CAST #		LATITUDE	LONGITUDE	GMT DATE (note if not)	GMT Time	RH % WET BULB	PRESSURE	WIN D SPD. DIRN.	BOTTO M DEPTH	STA NAME/ID								
DEG	MIN	DEG	MIN	DAY	MO	YR	HR MIN	(°C)	(°C)	(mb)	*	*	(deg)	(kts)	*	*	(m)	
11	25	857.09	17019.21	1205	SEP	120929	41.98	89.06	29413	71								
Sensor IDs (initially & swap-outs)		Local Time (AKDT)				12												
SBE type and S/N	911plus - Dyson	Psychocline Depth = 24 - 28		Depth of FL max = ~ 0.6 mg/m <sup>3</sup> above 24 m		Weather: dark		Seas: 3-5		CTD MAX DEPTH = 68								
PRESS SN	772 - Dyson																	
TEMP 1&2 SNs	2376 and 4379 - Dyson																	
COND 1&2 SNs	2985 and 3127 - Dyson																	
FLUOR SN	759 - EMA																	
O2 (SBE43) SN	904 and 910 - PMEL																	
Transmiss SN	1066 - EMA																	
PAR SN	-79469 - EMA																	
O2 SBE42SN	N/A																	
Nisk #	DEPTH	Rosette Notes		Hydro Team-PMEL		Stacked GFF + >10 vol	Stacked dup vol	Unstack GFF vol	Unstack GFF dup vol	Unstack >10 vol	Unstack >10 dup vol	POC 500 ml	Comments or other samples		Nisk #			
1	67					153	171					859			1			
2	50					154						860			2			
3	—											—			3			
4	40					155						861			4			
5	30					156						862			5			
6	20					157						863			6			
7	10					158						864			7			
8	D					159						865			8			
9															9			
10															10			
11															11			
12															12			







VESSEL <b>Oscar Dyson</b>		CRUISE ID <b>DY12-08</b>		PROJECT & LEG ( if needed )		CTD File Name (No need if data is live feed)		STATION NO.			
CTD consec CAST #				GMT DATE (note if not)	GMT Time	RH % WET	PRESSURE	WIND DIRN	WIN D SPD.	BOTTO M	STA NAME / ID
DEG	MIN	DEG	MIN	DAY	MO	YR	Temp (°C) (°F)	(°C) (mb)	(kts) (deg)	DEPTH (m)	
116	58	16.80	N	170	6	29	W 120	14.3	1.4	0.8	39508
											73
											CTD MAX. DEPTH = 64
<b>Sensor IDs (initially &amp; swap-outs)</b>		Local Time (AKDT)		Depth of FL max = 27 m		~2.5 mg/m³					
SBE type and S/N		911plus - Dyson		Pycnocline Depth = 27 - 30		Depth of FL max = 27 m					
PRESS SN		772 - Dyson		Weather:							
TEMP 1&2 SNs		2376 and 4379 - Dyson									
COND 1&2 SNs		2985 and 3127 - Dyson									
FLUOR SN		759 - EMA		Note #2 used for underway sample							
O2 (SBE43) SN		904 and 910 - PMEL									
Transmiss SN		1066 - EMA									
PAR SN		20460 - EMA									
O2 SBE42SN		N/A									
Nisk #	DEPTH	Rosette Notes		Hydro Team-PMEL		Stacked GFF + >10 vol	Stacked dup vol	Unstack GFF vol	Unstack GFF dup vol	Unstack >10 vol	POC 500 ml
1	68					181	610				882
2	50					182		290			888
3	-					-		-			3
4	40					183		290			889
5	30					184		288			890
6	20					185		290			5
7	10					186		287			891
8	0					1		291			892
9											893
10											9
11											10
12											11
											12

VESSEL Oscar Dyson		CRUISE ID	PROJECT & LEG ( if needed) BASIS leg	CTD FileName (No need if data is live feed)	STATION NO. \51													
CTD consec CAST #		LATITUDE	LONGITUDE	GMT (note if not)	GMT Time	TEMP WELL BLUB	PRESSURE	SEA STATE	WIND DIRN. SPD.	WIN D CLOUD TYPE	BOTTO M NAME/ID							
DEG	MIN	DEG	MIN	DAY	MO	YR	HR	MIN	(°C)	(°C)	(mb)	*	*	(deg)	(kts)	*	*	(m)
11	25	82	9.67	N	16	959	.84	W	20	SEP	12	1612	14	.8	88.	08	34509	72
<b>Sensor IDs (initially &amp; swap-outs)</b>		<b>Local Time (AKDT)</b>																CTD MAX. DEPTH = 64
SBE type and SN	9-11plus - Dyson	Pycnocline Depth= 25-27m		Depth of FL max = 411m ~1.2 m/s		m/s		m/s		m/s		m/s		m/s		m/s		m/s
PRESS SN	772 - Dyson	Weather:																
TEMP 1 &2 SNS	2376 and 4379 - Dyson	<b>COMMENT: Difficult conditions, factors that may affect measurements or aid processing</b>																
COND 1&2 SNS	2985 and 3127 - Dyson																	
FLUOR SN	759 - EMA																	
02 (SBE43) SN	904 and 910 - PMEL																	
Transmiss SN	1066 - EMA																	
PAR SN	40402 - EMA																	
02 SBE42SN	N/A																	

VESSEL Oscar Dyson		CRUISE ID		PROJECT & LEG ( if needed )		CTD File Name (No need if data is live feed)		STATION NO.			
CTD consec CAST #		LATITUDE	LONGITUDE	GMT DATE (note if not)	GMT Time	TA WET BUBB	PRESSURE	WIN D	WIN CLOUD (amt)	BOTTO M	STA NAME/ID
DEG	MIN	DEG	MIN	DAY	MO	YR	HR	MB	SEA STATE	DIRN. SPD.	TYPE WEATHER
11	35	58 59 . 48 N	169 59 . 17 W	20	SEP	12 20 08	5.584	09	33608	67	158
											CTD MAX. DEPTH = 60
<b>Sensor IDs (initially &amp; swap-outs)</b>		Local Time (AKDT)		Depth of FL max = ~10 m ~14 m gla							
SBE type and S/N		9 11plus - Dyson		Pycnocline Depth= 24-26							
PRESS SN		772 - Dyson		Weather:							
TEMP 1 82 SNs		2376 and 4379 - Dyson		COMMENT: Difficult conditions, factors that may affect measurements or aid processing							
COND 1 82 SNs		2985 and 3127 - Dyson									
FLUOR SN		759 - EMA									
O2 (SBE43) SN		904 and 910 - PMEL									
Transmiss SN		1066 - EMA									
PAR SN		70463--EMA 41803 PMEL									
02 SBE42SN		NA		Ch 1a max 250 m bottle							
Nisk #	DEPTH	Rosette Notes		Hydro Team-PMEL		Stacked GFF + >10 vol	Stacked GFF dup vol	Unstack GFF dup vol	Unstack >10 vol	Unstack >10 dup vol	POC 500 ml
	DESIRED	SALT Btl		Nut.Btl							Comments or other samples
1	64	10		11							Nisk #
2	50	11		12							
3	—	12		13							
4	40	13		14							
5	30	14		15							
6	20	15		16							
7	10	16		17							
8	0	17		18							
9		18		19							
10		19		20							
11		20		21							
12		21		22							

VESSEL <b>Oscar Dyson</b>		CRUISE ID <b>DY12-08</b>		PROJECT & LEG (if needed) BASIS leg 2		CTD File Name (No need if data is live feed)		STATION NO. <b>160</b>											
CTD consec CAST #	LATITUDE	LONGITUDE	GMT DATE (note if not)	GMT Time	Temp (°C)	WET BTB	PRESSURE	WIND DIRN.	WIN D CLOUD (emt)	BOTTO M	STA NAME/ID								
DEG	MIN	DEG	MIN	DAY	MO	YR	HR	MIN	(°C)	(°C)	(mb)	*	*	(deg)	(kts)	*	*	(m)	
119	58	59	.92	N	170	58	.85	W	21	SEP	12	02	46	5.3	76.	09	196	6	78
Sensor IDs (initially & swap-outs)	Local Time (AKDT)																	CTD MAX. DEPTH = 75	
SBE type and S/N	911plus - Dyson		Pycnocline Depth= 24 - 28		Depth of FL max = 10 m		Weather: Mostly clear Sea 2-3 ft		COMMENT: Difficult conditions, factors that may affect measurements or aid processing										
PRESS SN	772 - Dyson																		
TEMP 1&2 SNS	2376 and 4379 - Dyson																		
COND 1&2 SNS	2985 and 3127 - Dyson																		
FLUOR SN	759 - EMA		Note # 24 used for underway																
02 (SBE43) SN	904 and 910 - PMEL																		
Transmiss SN	1066 - EMA																		
PAR SN	20463 - EMA																		
02 SBE42SN	N/A		Chaco bluffs, Rhizosolenia habitat in bongo - nets (per A. Volkov)																
Nisk #	DEPTH	Rosette Notes		Hydro Team-PMEL		Stacked GFF + >10 vol	Stacked dup vol	Unstack GFF dup vol	Unstack >10 vol	Unstack ≥10 dup vol	POC 500 ml	Comments, or other samples		Nisk #					
DESIRED		SALT Btl	Nut.Btl	Oxy.Btl								FR 85	FR 85						
1	75		.36	13				250				908		1					
2	50			18				—				909		2					
3	—			—				250				—		3					
4	40			19				250				910		4					
5	30			20				250				911		5					
6	20			21				250				912		6					
7	10			22				250				913	M2	7					
8	0			23	200			250				914		8					
9														9					
10														10					
11														11					
12														12					



VESSEL <b>Oscar Dyson</b>		CRUISE ID <u>DY12-08</u>		PROJECT & LEG (if needed) <u>2</u>		CTD File Name (No need if data is live feed)		STATION NO. <u>162</u>														
CTD consec CAST #	LATITUDE	LONGITUDE	GMT DATE (note if not)	GMT Time	Temp (°C)	RH % WET BULB	PRESSURE SEA STATE	WIND DIRN.	WIN D CLOUD (amb)	BOTTO M	STA NAME/ID											
	DEG MIN	DEG MIN	DAY	MO	YR	HR	MIN	(°C)	(°C)	(mb)	*	(deg)	(kts)	*	*	(m)						
1	2	1	58	27	.00	N	170	11	14	W	21	5	12	09	05	4.3	78	1	1	2	12	75
SBE type and S/N	911plus - Dyson		Depth of FL max = ~ 12 m above 1 m <sup>3</sup>		CTD MAX. DEPTH = 21																	
PRESS SN	772 - Dyson		Pycnocline Depth = 22 - 25		Depth of FL max = ~ 12 m above 1 m <sup>3</sup>																	
TEMP 1&2 SNS	2376 and 4379 - Dyson		Weather: dark, some stars, seas 2-3 ft		COMMENT: Difficult conditions, factors that may affect measurements or aid processing																	
COND 1&2 SNS	2985 and 3127 - Dyson																					
FLUOR SN	759 - EMA																					
O2 (SBE43) SN	904 and 910 - PMEL																					
Transmiss SN	1066 - EMA																					
PAR SN	70403 - EMA																					
O2 SBE42SN	N/A																					
Nisk #	DEPTH	Rosette Notes		Hydro Team-PMEL		Stacked GFF + >10 vol	Stacked GFF dup vol	Unstack GFF vol	Unstack GFF dup vol	Unstack >10 vol	Unstack >10 dup vol	POC 500 ml	Comments or other samples		Nisk #							
1	71					32							922			1						
2	50					33							923			2						
3	-					-							-			3						
4	40					34							924			4						
5	30					35							925			5						
6	20					36							926			6						
7	10					37							927			7						
8	0					38							928			8						
9													929			9						
10													930			10						
11													931			11						
12													932			12						





VESSEL <b>Oscar Dyson</b>	CRUISE ID <b>DY12-D8</b>	PROJECT & LEG ( if needed) BASIS leg	CTD File Name (No need if data is live feed)	STATION NO. <b>165</b>
CTD consec CAST #	LATITUDE	LONGITUDE	GMT (note if not)	GMT Time
DEG	MIN	DEG	MIN	DAY MO YR HR MIN
1 2 4 5 8	02.35 N	169 40.50 W	21 3 12 32	4 4 29.11
				Temp (°C) (°C) (mb)
				RH % -RH PRESSURE SEA STATE
				WIND D DIRN. SPD.
				WIN CLOUD (amt) TYPE WEATHER DEPTH
				Bottom M NAME/ID
				STA
				DIRN.
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				DIRN.
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				DEPTH
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				DIRN.
				WIND
				DEPTH
				NAME/ID
				STA
				DIRN.
	</			

VESSEL Oscar Dyson		CRUISE ID DY12 - D8'		PROJECT & LEG ( if needed )		CTD File Name ( No need if data is live feed )		STATION NO.																	
CTD consec CAST #	LATITUDE	LONGITUDE	GMT DATE	( note if not )	GMT Time	RH % WET BULB	PRESSURE ( mb )	SEA STATE VISIBILITY	WIND DIRN. SPD.	WIN D CLOUD TYPE	BOTTO M DEPTH	STA NAME/ID													
DEG	MIN	DEG	MIN	DAY	MO YR	HR	MIN	( °C )	( °C )	( deg )	( kts )	*	*												
125	57	154.18	N	16930	.11	W	215	12	1356	4.15	80.	361	69												
Sensor IDs (initially & swap-outs)	Local Time (AKDT)					1	2						CTD MAX. DEPTH = 62												
SBE type and S/N	911plus - Dyson		Pycnocline Depth= 27 - 30		Depth of FL max = 4 m		Weather:																		
PRESS SN	772 - Dyson																								
TEMP 1 & 2 SNS	2376 and 4379 - Dyson																								
COND 1 & 2 SNS	2985 and 3127 - Dyson																								
FLUOR SN	759 - EMA																								
O2 (SBE43) SN	904 and 910 - PMEL																								
Transmiss SN	1086 - EMA																								
PAR SN	40000 - EMA																								
O2 SBE42SN	N/A																								
<b>COMMENT: Difficult conditions, factors that may affect measurements or aid processing</b>																									
<i>Note 67 used for underway</i>																									
Nisk #	DEPTH	Rosette Notes	Hydro Team-PMEL		Stacked GFF + >10 vol	Stacked GFF dup vol	Unstack GFF vol	Unstack GFF dup vol	Unstack >10 vol	Unstack >10 dup vol	POC 500 ml	Comments or other samples	Nisk #												
DESIRED			SALT Blt	Nut Blt	Oxy Blt																				
1	67			60							950		1												
2	50			61							951		2												
3											-		3												
4	40			62							952		4												
5	30			63							953		5												
6	20			64							954		6												
7	10			65							955		7												
8	0			66	234						956		8												
9											9		9												
10											10		10												
11											11		11												
12											12		12												

VESSEL Oscar Dyson		CRUISE ID DIA2-08		PROJECT & LEG ( If needed) BASIS leg 2		CTD File Name (No need if data is live feed)		STATION NO. 167				
CTD consec CAST #		LATITUDE	LONGITUDE	GMT DATE	(note if not)	GMT Time	TEMP WET SHEB	PRESSURE	WIND DIRN.	WIN D CLOUD (amt)	BOTTO M	STA NAME/ID
		DEG MIN	DEG MIN	DAY	MO	YR	Temp (°C)	(°C)	(mb)	*	*	TYPE WEATHER
							HR	MIN	(deg)	(kts)	*	*
1	2	6	57	14.9	1.9	N	16.9	12.1	15.17	4.7	181	W
2	3	7	58	14.9	1.9	N	16.9	12.1	15.17	4.7	181	W
3	4	8	59	14.9	1.9	N	16.9	12.1	15.17	4.7	181	W
4	5	9	00	14.9	1.9	N	16.9	12.1	15.17	4.7	181	W
5	6	0	01	14.9	1.9	N	16.9	12.1	15.17	4.7	181	W
6	7	0	02	14.9	1.9	N	16.9	12.1	15.17	4.7	181	W
7	8	0	03	14.9	1.9	N	16.9	12.1	15.17	4.7	181	W
8	9	0	04	14.9	1.9	N	16.9	12.1	15.17	4.7	181	W
9	10	0	05	14.9	1.9	N	16.9	12.1	15.17	4.7	181	W
10	11	0	06	14.9	1.9	N	16.9	12.1	15.17	4.7	181	W
11	12	0	07	14.9	1.9	N	16.9	12.1	15.17	4.7	181	W

**Sensor IDs (initially & swap-outs)**

SBE type and S/N	Local Time (AKDT)	Depth of FL max = - 25m	~1.5 mg/m³
SBE 11plus - Dyson			
PRESS SN	772 - Dyson		
TEMP 1&2 SNS	2376 and 4379 - Dyson		
COND 1&2 SNS	2985 and 3127 - Dyson		
FLUOR SN	759 - EMA		
O2 (SBE43) SN	904 and 910 - PMEL		
Transmiss SN	1066 - EMA		
PAR SN	70493 - EMA		
O2 SBE42SN	N/A		

**COMMENT: Difficult conditions, factors that may affect measurements or aid processing**

Depth of FL max = - 28m

Depth of FL max = - 28m

Comments or other samples

VESSEL Oscar Dyson		CRUISE ID	PROJECT & LEG ( if needed) BASIS leg	CTD File Name (No need if data is live feed)	STATION NO. 168									
CTD consec CAST #		LATITUDE	LONGITUDE	GMT (note if not)	GMT Time	TOK MET BOTT	PRESSURE	SEA STATE	WIND DIRN.	WIN D CLOUD TYPE	BOTTO M	STA NAME/ID		
DEG	MIN	DEG	MIN	DAY	MO	YR	HR	MIN	(°C)	(°C)	(mb)	(deg)	(kts)	(m)
12	35	155.19	N	16859	195	W	21	SEP	12	1632	14.2	80.	W	3460
														71
<b>Sensor IDs (initially &amp; swap-outs)</b>		Local Time (AKDT)		1 2								CTD MAX. DEPTH = 663		
SBE type and S/N		9 11plus - Dyson		Pycnocline Depth= 25 - 27		Depth of FL max = ~200 m ~200 m								
PRESS S/N		772 - Dyson		Weather:										
TEMP 1&2 S/Ns		2376 and 4379 - Dyson		COMMENT: Difficult conditions, factors that may affect measurements or aid processing										
COND 1&2 S/Ns		2985 and 3127 - Dyson												
FLUOR S/N		759 - EMA												
02 (SBE43) S/N		904 and 910 - PMEL		Sec. 02 1835 had lots of rolling during this cast										
Transmiss S/N		1066 - EMA												
PAR S/N		76403 - EMA, 41603 - PMEL												
O2 SBE42 S/N		N/A												
Nisk #	DEPTH	Rosette Notes	Hydro Team-PMEL	Stacked GFF + >10 vol	Stacked dup vol	Unstack GFF vol	Unstack GFF dup vol	Unstack >10 vol	Unstack >10 dup vol	POC 500 ml	Comments or other samples	Nisk #		
1	163	-	•40	25							9164	1		
2	50	-	316								9165	2		
3	-	-	-	-	-							3		
4	40	-	33								9166	4		
5	30	-	38								9167	5		
6	20	-	39								9168	6		
7	10	-	80								9169	7		
8	0	-	81	0.213							9170	8		
9	-	-	-	-	-	-	-	-	-	-		9		
10	-	-	-	-	-	-	-	-	-	-		10		
11	-	-	-	-	-	-	-	-	-	-		11		
12	-	-	-	-	-	-	-	-	-	-		12		

VESSEL Oscar Dyson		CRUISE ID	PROJECT & LEG (if needed) BASIS leg	CTD File Name (No need if data is live feed)	STATION NO. 169								
CTD consec CAST #		LATITUDE	LONGITUDE	GMT DATE DAY	(note if not) MO	GMT Time HR	Temp (°C) °C	DEPTH (m) m	PRESSURE mb	STATE SUSP mb	WIND DIR SPD kts	BOTTO M DEPTH (m)	
DEG	MIN	DEG	MIN										
12	857	49.98N	16853.30W	21	SEP	12	1344	4.2	1014	10	10	72	
1	2	3	4	5	6	7	8	9	10	11	12	13	
12	857	49.98N	16853.30W	21	SEP	12	1344	4.2	1014	10	10	72	
11	138	—	—	290	—	—	—	—	—	—	—	10	
12	136	—	—	290	—	—	—	—	—	—	—	12	
<b>Sensor IDs (initially &amp; swap-outs)</b>		Local Time (AKDT)		1 2									
SBE type and S/N		9 11plus - Dyson		Pycnocline Depth = 26-30		Depth of FL max = > 25 m ~1.5 day ago		CTD MAX DEPTH = 644					
PRESS SN		772 - Dyson		Weather:									
TEMP 1&2 SNS		2376 and 4379 - Dyson											
COND 1&2 SNS		2985 and 3127 - Dyson											
FLUOR SN		759 - EMA											
02 (SBE43) SN		904 and 910 - PMEL											
Transmiss SN		1066 - EMA											
PAR SN		PAR42 - EMA											
02 SBE42SN		N/A											
Nisk #	DESIRED	Rosette Notes	Hydro Sample - PMEL	Stow Date	Spool Date	Lastback	Cast date	Water Temp	Pressure mb	POC	Comments or other samples	Nisk #	
1	163		82.112							931	135	1	
2	50		83							932		2	
3	—		—							—		3	
4	40		84							933	118	4	
5	312		85							934		5	
6	31b									290		6	
7	31c									287		7	
8	20		86							291		8	
9	13A		—							290		9	
10	—		—							291		10	
11	13B									290		11	
12	13C									289		12	

VESSEL Oscar Dyson		CRUISE ID		PROJECT & LEG ( if needed)		CTD File Name (No need if data is live feed)										STATION NO.		
CTD consec CAST #		DEG	MIN	DEG	MIN	DAY	MO	YR	HR	MIN	Temp (°C)	TRI WET BUBB	PRESSURE	SEA STATE VISIBILITY	WIND DIRN. SPD.	WIN D CLOUD TYPE	BOTTO M DEPTH	STA NAME/ID
12	9	57	50	28	N	168	53	.40	W	21	S E R	12	1808	4.4	78	12	34207	-72
SBE type and S/N	911plus - Dyson																	CTD MAX. DEPTH = 10
PRESS S/N	772 - Dyson																	Depth of FL max =
TEMP 1 & 2 S/Ns	2376 and 4379 - Dyson																	Weather:
COND 1&2 S/Ns	2985 and 3127 - Dyson																	COMMENT: Difficult conditions, factors that may affect measurements or aid processing
FLUOR S/N	759 - EMA																	CTD 2052
O2 (SBE43) S/N	904 and 910 - PMEL																	1114
Transmiss S/N	1066 - EMA																	
PAR S/N	32446 - EMA	4603	PMEL															
O2 SBE42 S/N	N/A																	
<hr/>																		
Nisk #	DEPTH DESIRED	Rosette Notes	Hydro Team - PMEL	GFF Vol	Stacked GFF Vol	Unstack GFF Vol	Unstack GFF dup Vol	Unstack >10 Vol	Unstack >10 Vol	PCC 500 ml/s	Comments or other samples	Nisk #						
1	10					2904					936		1					
2	0					2877					937		2					
3													3					
4													4					
5													5					
6													6					
7													7					
8													8					
9													9					
10													10					
11													11					
12													12					

VESSEL Oscar Dyson		CRUISE ID DY-2-08	PROJECT & LEG (if needed) BASIS leg 2	CTD File Name (No need if data is live feed)	STATION NO. 130									
CTD consec CAST #	LATITUDE	LONGITUDE	GMT DATE (note if not)	GMT Time	RH WET DEUTS	PRESSURE	SEA STATE	WIND DIRN.	WIN D SPD.	WIN CLOUD (amt)	WEATHER	BOTTO M DEPTH	STATION NAME/ID	
DEG	MIN	DEG	MIN	DAY	MO	YR	HR	MIN	(C)	(C)	(mb)	*	*	(m)
130	57	46.09	N	16839.46	W	21	SEP	12	2029	5.47	74	11	326	11
Sensor IDs (initially & swap-outs)		Local Time (AKDT)					1	2						
SBE type and S/N	9 11plus - Dyson	Pycnocline Depth =	30 - 32 m										Depth of FL max =	26 m ~2.2 mb/m <sup>2</sup>
PRESS SN	772 - Dyson	Weather:												
TEMP 1 &2 SNs	2376 and 4379 - Dyson	COMMENT: Difficult conditions, factors that may affect measurements or aid processing												
COND 1&2 SNs	2985 and 3127 - Dyson													
FLUOR SN	759 - EMA													
O2 (SBE43) SN	904 and 910 - PMEL													
Transmiss SN	1066 - EMA													
PAR SN	EMMA 46032 MEL													
O2 SBE2SN	N/A													
<hr/>														
Nisk #	DEPTH	Rosette Notes	Hydro Team-PMEL	Stacked GFF + >10 vol	Stacked dup vol	Unstack GFF	Unstack GFF dup vol	Unstack >10 vol	Unstack >10 dup vol	POC 500 ml	Comments or other samples	Nisk #	CTD MAX DEPTH = 65	
1	68			89							918	1		
2	50			90							939	2		
3												3		
4	40			91							920	4		
5	30			92							921	5		
6	20			93							922	6		
7	10			94							923	7		
8	0			95	•41						924	8		
9												9		
10												10		
11												11		
12												12		







VESSEL ID <b>Oscar Dyson</b>		CRUISE ID	PROJECT & LEG ( if needed) BASIS leg	CTD FileName (No need if data is live feed)										STATION NO. 174		
CTD consec CAST #		LATITUDE	LONGITUDE	GMT (note if not)	DATE	GMT Time	Temp (°C)	ATM BLW-B	PRESSURE	SEA STATE	WIND	WIN D	CLOUD (amt)	BOTTO	STA NAME/ID	
DEG	MIN	DEG	MIN	DAY	MO	YR	HR	MIN	(°C)	(°C)	(mb)	*	(deg)	(kts)	M	
13	45	7 30	0 6 N	16	7	59	.42	W	22	SEP	1	2014	0	5.9	82.	
															35920	
Sensor IDs (initially & swap-outs)		Local Time (AKDT)														
SBE type and S/N	9 11plus - Dyson	Pycnocline Depth=	26 - 31	Depth of FL max =	425m	2.5 m/s										
PRESS S/N	772 - Dyson	Weather:														
TEMP 1 & 2 S/Ns	2376 and 4379 - Dyson	COMMENT: Difficult conditions, factors that may affect measurements or aid processing														
COND 1&2 S/Ns	2985 and 3127 - Dyson															
FLUOR S/N	759 - EMA															
D2 (SBE43) S/N	904 and 910 - PMEL															
Transmiss S/N	1066 - EMA															
PAR S/N	20400 - EMA															
D2 SBE42 S/N	N/A															
<hr/>																
Nisk #	DEPTH	Rosette Notes	Hydro Team-PMEL	Stacked GFF +>10 vol	Stacked dup vol	Unstack GFF vol	Unstack GEF dup vol	Unstack >10 vol	Unstack >10 dup vol	POC 500 ml	Comments or other samples	Nisk #				
1	63		SALT Btl NUTRI	117							1000		1			
2	50			118							1003		2			
3													3			
4	40										1008		4			
5	30										1009		5			
6	20										1010		6			
7	10										1011		7			
8	0										1012		8			
9											1013		9			
10											1014		10			
11											1015		11			
12											1016		12			





VESSEL <b>Oscar Dyson</b>		CRUISE ID <b>DY 12-08</b>	PROJECT & LEG ( if needed) <b>2</b>	CTD File Name (No need if data is live feed)	STATION NO. <b>177</b>																										
CTD consec CAST #	LATITUDE	LONGITUDE	GMT (note if not)	GMT Time	RH WET BOTT	PRESSURE	SEA STATE	WIND DIRN. SPD.	WIN D CLOUD TYPE	WEATHER	BOTTO M	STA NAME/ID																			
DEG	MIN	DEG	MIN	DAY	MO	YR	HR	MIN	(°C)	(°C)	(mb)	(deg)	(kts)	*	*	*	(m)														
137	57	31.074N	16702.05W	22SEP12	0611	5.6	86.06	35226	35.2	26	35.2	26	71	27	27	27															
<b>Sensor IDs (initially &amp; swap-outs)</b>	<b>Pycnocline Depth= 29 - 32</b>																														
SBE type and S/N	911plus - Dyson	Depth of FL max = < 25m	Weather:																												
PRESS SN	772 - Dyson																														
TEMP 1&2 SNS	2376 and 4379 - Dyson																														
COND 1&2 SNS	2985 and 3127 - Dyson																														
FJUOR SN	759 - EMA																														
02 (SBE43) SN	904 and 910 - PMEL																														
Transmiss SN	1066 - EMA																														
PAR SN	20402 - EM																														
O2 SBE42SN	N/A																														
<b>Hydro Team-PMEL</b>																															
Nisk #	DEPTH	Rosette Notes	SALT Blt	Hydro Team-PMEL	Stacked GFF + >10 vol	Stacked dup vol	Unstack GFF vol	Unstack GFF dup vol	Unstack >10 vol	Unstack >10 dup vol	POC 500 ml	Comments or other samples	Nisk #																		
DESIRED			SALT Blt	Hydro Team-PMEL																											
1	67		139	• 133								1027		1																	
2	50		140				290					1028		2																	
3	-		-				-							3																	
4	40		141				290					1029		4																	
5	30		142				288					1030		5																	
6	20		143				290					1031		6																	
7	10		144				287					1032		7																	
8	D		145				291					1033		8																	
9														9																	
10														10																	
11														11																	
12														12																	

CTD MAX. DEPTH = 67

VESSEL Oscar Dyson		CRUISE ID DY12-D8		PROJECT & LEG (if needed) Basis leg		CTD File Name (No need if data is live feed)		STATION NO. 178											
CTD consec CAST #		LATITUDE	LONGITUDE	GMT DATE	(note if not)	GMT Time	RH% WET DEWB	PRESSURE	WIN D CLOUD TYPE	BOTTO M DEPTH	STA NAME/ID								
DEG	MIN	DEG	MIN	DAY	MO	YR	HR	MIN	(°C)	(mb)	*	(deg)	(kts)	*	*	(m)			
1	3	8	57	25	.9	3	N	166	48	.9	7	W	22	S	E	P	1207475.281.0	D53.35525	21
Sensor IDs (initially & swap-outs)																	CTD MAX. DEPTH = 66		
SBE type and S/N	9 11plus - Dyson																Depth of FL max = < 27 m		
PRESS SN	772 - Dyson																Weather:		
TEMP 1&2 SNS	2376 and 4379 - Dyson																COMMENT: Difficult conditions, factors that may affect measurements or aid processing		
COND 1&2 SNS	2985 and 3127 - Dyson																		
FLUOR SN	759 - EMA																		
O2 (SBE43) SN	904 and 910 - PMEL																		
Transmiss SN	1066 - EMA																		
PAR SN	7540 - EMA																		
O2 SBE42SN	N/A																		
<hr/>																			
Nisk #	DEPTH	ROSETTE NOTES	Hydro Team-PMEL		Stacked GFF + >10 vol	Stacked GFF vol	Unstack GFF vol	Unstack GFF dup vol	Unstack >10 vol	Unstack >10 dup vol	POC 500 ml	Comments or other samples	Nisk #						
DESIRED			SALT	Btl	Nut	Btl	Oxy	Btl											
1	66				146							1034		1					
2	50				147							1035		2					
3	-				-							-		3					
4	40				148							1036		4					
5	30				149							1037		5					
6	20				150							1038		6					
7	10				151							1039		7					
8	0				152							1040		8					
9														9					
10														10					
11														11					
12														12					





VESSEL <b>Oscar Dyson</b>		CRUISE ID <b>DY 12-08</b>		PROJECT & LEG ( if needed ) <b>BASIS leg 2</b>		CTD File Name ( No need if data is live feed )		STATION NO. <b>181</b>								
CTD consec CAST #		LATITUDE	LONGITUDE	GMT DATE	(note if not)	GMT		RH % WET BOTS	PRESSURE mb)	SEA STATE	WIND DIRN.	WIN D SPD.	CLOUD (amt) TYPE	WEATHER	BOTTO M DEPTH	STA. NAME/ID
DEG	MIN	DEG	MIN	DAY	MO	YR	HR	Temp (°C) (°C)	(mb)	SEA STATE	WIND DIRN.	WIN D SPD.	CLOUD (amt) TYPE	WEATHER	BOTTO M DEPTH	STA. NAME/ID
141	57	19.04	N	166	19	89	W	23 SEP 12 04 28	4.5	740	65	3022	20	40 M 10		
<b>Sensor IDs (initially &amp; swap-outs)</b>		Local Time (AKDT)		1		2										
SBE type and S/N		911plus - Dyson		PRESS SN		772 - Dyson		Depth of FL max =		Pycnocline Depth= 26-30		Weather:				
TEMP 1&2 SNS		2376 and 4379 - Dyson		COMMENT: Difficult conditions, factors that may affect measurements or aid processing												
COND 1&2 SNS		2985 and 3127 - Dyson														
FLUOR SN		759 - EMA														
O2 (SBE43) SN		904 and 910 - PMEL														
Transmiss SN		1066 - EMA														
PAR SN		<del>PAR 5000 FT</del> 4602 PMEL														
O2 SBE42SN		N/A														
Nisk #	DEPTH	Rosette Notes	Hydro Team-PMEL	Stacked GFF +>10 vol	Stacked dup vol	Unstack GFF vol	Unstack GFF dup vol	Unstack >10 vol	Unstack >10 dup vol	Unstack ROC 500 ml	Comments or other samples	Nisk #				
1	66		168	• 198		290					1055	1				
2	50		169	-		-					1056	2				
3	-										-	3				
4	40		170			290					1057	4				
5	30					290					1058	5				
6	20		172			290					1059	6				
7	10		173			287					1060	7				
8	0		174			291					1061	8				
9												9				
10												10				
11												11				
12												12				



VESSEL Oscar Dyson		CRUISE ID 2012-09-04		PROJECT & LEG ( if needed )		CTD FileName (No need if data is live feed)		STATION NO. 183							
CTD consec CAST #		LATITUDE	LONGITUDE	GMT DATE	(note if not)	GMT		WAVE HGT M	PRESSURE	SEA STATE	WIND DIRN.	WIN SPD.	BOTTO M	STA NAME/ID	
DEG	MIN	DEG	MIN	DAY	MO	YR	HR	Temp (°C)	(°C)	Wind (°C)	(mb)	deg	(kts)	(m)	
1	4	35	715.68	N	165	44	.92	W	23	SEP	1207	29	4.3	71	
															CTD MAX. DEPTH = 68
<b>Sensor IDs (initially &amp; swap-outs)</b>		Local Time (AKDT)		1		12									
SBE type and S/N		911plus - Dyson		Pycnocline Depth= 32 - 34				Depth of FL max = < 32		3.75 mg/m³					
PRESS SN		772 - Dyson		Weather:											
TEMP 1 42 SNs		2376 and 4379 - Dyson		<b>COMMENT: Difficult conditions, factors that may affect measurements or aid processing</b>											
COND 142 SNS		2985 and 3127 - Dyson													
FLUOR SN		759 - EMA													
02 (SBE43) SN		904 and 910 - PMEL													
Transmiss SN		1066 - EMA													
PAR SN		70103 - EMA													
O2 SBE42SN		N/A													





VESSEL <b>Oscar Dyson</b>		CRUISE ID <b>DY12-04</b>		PROJECT & LEG ( if needed) <b>BASIS leg 2</b>		CTD File Name (No need if data is live feed)		STATION NO.	<b>186</b>								
CTD consec CAST #		LATITUDE	LONGITUDE	GMT	(note if not)	GMT		WET BULB	PRESSURE	SEA STATE VISIBILITY	WIND DIRN:	WIN D SPD.	CLOUD (amt) TYPE	WEATHER	BOTTO M DEPTH	STA NAME/ID	
				DEG	MIN	DEG	MIN										DAY
146	56	51.26 N	16507.28 W	23	S	SEP	12	12	50	4.1	81.1	1010	29.4	15	24	22	
<b>Sensor IDs (initially &amp; swap-outs)</b>																	
SBE type and S/N		Local Time (AKDT)		Depth of FL max =		~2.6 m/m <sup>3</sup>											
PRESS SN		911plus - Dyson		Pycnocline Depth =		29 - 34											
TEMP 1 & 2 SNS		772 - Dyson		Weather:													
COND 1&2 SNS		2376 and 4379 - Dyson		COMMENT: Difficult conditions, factors that may affect measurements or aid processing													
FLUOR SN		2985 and 3127 - Dyson															
O2 (SBE43) SN		904 and 910 - PMEL															
Transmiss SN		1066 - EMA															
PAR SN		70103 - EMA															
O2 SBE42SN		N/A															
Nisk #	DEPTH	Rosette Notes		Hydro Team-PMEL		Stacked GFF # >10 vol	Stacked dup vol	Unstack GFF vol	Unstack GFF dup vol	Unstack >10 vol	Unstack >10 dup vol	POC 500 ml	Comments or other samples		Nisk #		
1	72														1		
2	50							240							2		
3	-							-							3		
4	40							290							4		
5	30							28'							5		
6	20							290							6		
7	10							28'							7		
8	0							291							8		
9															9		
10															10		
11															11		
12															12		

VESSEL Oscar Dyson		PROJECT & LEG ( If needed )		CTD File Name ( No need if data is live feed )		STATION NO.
CTD consec CAST #	CAST ID	SBE type and SN	Basis leg			187
147	5654-34N164W	772 - Dyson	772 - Dyson	Local Time (AKDT)	Pycnocline Depth = 28 - 34	Depth of FL max = ~28 m, ~2.6 mg/m <sup>3</sup>
TEMP 142 SNs	2378 and 4370 - Dyson	Weather:	COMMENT: Difficult conditions, factors that may affect measurements or aid processing			
COND 142 SNs	2985 and 3127 - Dyson		31 - UNDERWAY			
FLUOR SN	759 - EMA					
O2 (SBE43) SN	804 and 910 - PMEL					
Transmiss SN	1066 - EMA					
PAR SN	70103 - EMA					
O2 SBE42SN	N/A					
<b>Nisk #</b>	<b>DEPTH DESIGNED</b>	<b>DEPTH ACTUAL</b>	<b>DEPTH CALIBRATED</b>	<b>DEPTH CORRECTED</b>	<b>DEPTH INTERPOLATED</b>	<b>Nisk #</b>
1	68	24	293			1093
2	50	25				1098
3						3
4	40	26				1099
5	30	27				1100
6	20	28				1101
7	10	29				1102
8	0	30				1103
9						8
10						9
11						10
12						11
						12

VESSEL  
Oscar Dyson

VESSEL Oscar Dyson		PROJECT & LEG ( if needed )		CTD FileName (No need if data is live feed)		STATION NO.	
CTD consec CAST #		Dy12-08		DATE (note if not)	GMT Time	Temp (°C)	WIN D SPD. GLOOMY WEATHER
DEG	MIN	DEG	MIN	DAY	MO	HR	SPD. (kts)
149	56	45.69	N	16	42	0.57	W23
							S6P
							12
							1737
							4.0
							0.8
							83
							12
							236
<b>Sensor IDs (Initially &amp; swap-outs)</b>		Local Time (AKDT)		1	2		
SBE type and SN	911plus - Dyson	Pycnocline Depth=	29 - 32			Depth of FL max = ~ 45m	~ 5 - 6 m avg
PRESS SN	772 - Dyson	Weather:					
TEMP 1&2 SN	2376 and 4379 - Dyson	COMMENT: Difficult conditions, factors that may affect measurements or aid processing					
COND 1&2 SNs	2085 and 3127 - Dyson	TRANSMISSEUR LOOKS FUNNY BELOW PYCNOCLINE					
FLUOR SN	759 - EMA	MA-West					
02 (SBE43) SN	904 and 910 - PMEL						
Transmiss SN	1066 - EMA						
PAR SN	70103 - EMA						
02 SBE42SN	NA						
Nisk #	DEPTH	DEPTH	DEPTH	DEPTH	DEPTH	DEPTH	DEPTH
1	30	39	40	41	42	43	44
2	50	40	290				
3							
4	40	41	290				
5	30	42	288				
6	20	43	290				
7	10	44	287				
8	0	45	291				
9							
10							
11							
12							







VESSEL <b>Oscar Dyson</b>		CRUISE ID		PROJECT & LEG ( If needed)		CTD FileName (No need if data is live feed)		STATION NO. <b>192</b>																																																																																																																																																		
CTD consec CAST #		LATITUDE	LONGITUDE	GMT (note if not)	GMT Time	PRESSURE	TEMP STATE	WIND D SPD.	BOTTO M DEPTH																																																																																																																																																	
DEG	MIN	DEG	MIN	DAY	MO	YR	HR	MIN	(°C) (F) GRAD.																																																																																																																																																	
<b>15 35</b>	<b>6 56</b>	<b>48 N</b>	<b>163 49.8 W</b>	<b>15</b>	<b>07</b>	<b>12 00 03</b>	<b>5.2</b>	<b>71</b>	<b>08</b>																																																																																																																																																	
									<b>71</b>																																																																																																																																																	
<b>Sensor IDs (Initially &amp; swap-outs)</b>		Local Time (AKDT)		1	2																																																																																																																																																					
SBE type and SN		9-11plus - Dyson		Pycnocline Depth= 34 - 40		Depth of FL max = 340, 3.5 mg/m <sup>3</sup>		CTD MAX. DEPTH = 63																																																																																																																																																		
PRESS SN	772 - Dyson			Weather:																																																																																																																																																						
TEMP 1 & 2 SNS	2376 and 4379 - Dyson																																																																																																																																																									
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O2 SBE42SN	N/A																																																																																																																																																									
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Nisk #	DEPTH DESIRABLE	DEPTH ACTUAL	TIME ACTUAL	TIME DESIRABLE	TEMP ACTUAL	TEMP DESIRABLE	PRESS ACTUAL	PRESS DESIRABLE	WIND ACTUAL												WIND DESIRABLE																																																																																																																																					
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