

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	WET BULB TEMP (°C)	PRESSURE (mb)	SEA STATE VISIBILITY	WIND DIRN. SPD. TYPE	WIN D CLOUD TYPE	BOTTO M DEPTH	STA. NAME/ID						
DEG	MIN	DEG	MIN	DAY	MO	YR	HR	MIN	(°C)	(mb)	(deg)	(kts)	*	*	*	(m)	
60	76	80	00	11	N	159	59	.43	W	21	Aug	12	1950	9.0	23	21	12
Sensor IDs (initially & swap-outs)																	
SBE type and S/N	911plus - Dyson	Local Time (AKDT)	1	2													
PRESS SN	772 - Dyson	Pycnocline Depth =	11	-	14												
TEMP 1&2 SNS	2376 and 4379 - Dyson	Depth of FL max =	9														
COND 1&2 SNS	2985 and 3127 - Dyson	CTD MAX. DEPTH =	42														
FLUOR SN	759 - EMA																
02 (SBE42) 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 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		SALT/Bu	Nut/Bu	Oxy/Bu												
2	30		4	45	46												
3	20																
4	10																
5	0																
6																6	
7																7	
8																8	
9																9	
10																10	
11																11	
12																12	

VESSEL Oscar Dyson		CRUISE ID 1/208		PROJECT & LEG (if needed)		CTD File Name (No need if data is live feed)		STATION NO.			
CTD consec CAST #	LATITUDE	LONGITUDE	GMT DATE DAY	gmt Time	Temp (°C)	WET BULB (°C)	PRESSURE (mb)	WIND DIRN. (deg)	WIN D SPD. (kts)	BOTTO M DEPTH (m)	STA. NAME/ID
DEG	MIN	DEG	MO	HR	MIN	*	*	*	*	*	
01	157	30.10N	16200.0	22	Aug 12	18.53	7.7	08	17.5	6	47
SBE type and S/N	911plus - 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										
02 (SBE43) SN	904 and 910 - PMEL										
Transmiss SN	1066 - EMA										
PAR SN	70103 - EMA										
02 SBE42SN	N/A										
Sensor IDs (initially & swap-outs)		Local Time (AKDT)		1	2						
SBE type and S/N		Pycnocline Depth = 13 - 17		Depth of FL max = 18							
PRESS SN		Weather:									
TEMP 1&2 SNs											
COND 1&2 SNs											
FLUOR SN											
02 (SBE43) SN											
Transmiss SN											
PAR SN											
02 SBE42SN											

VESSEL Oscar Dyson		CRUISE ID DY/2008		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)	WET BULB Pressure Sea State Visibility	Wind Dirn. Spd.	Win Cloud Type	Bottom M Depth	STA Name/ID			
01	2	57	59	67	N	16	1	58	54	W	22	19	12	23	21	7.7			
02	5	59	67	N	16	1	58	54	W	22	19	12	23	21	7.7				
03	6	59	67	N	16	1	58	54	W	22	19	12	23	21	7.7				
04	7	59	67	N	16	1	58	54	W	22	19	12	23	21	7.7				
05	8	59	67	N	16	1	58	54	W	22	19	12	23	21	7.7				
06	9	59	67	N	16	1	58	54	W	22	19	12	23	21	7.7				
07	10	59	67	N	16	1	58	54	W	22	19	12	23	21	7.7				
08	11	59	67	N	16	1	58	54	W	22	19	12	23	21	7.7				
09	12	59	67	N	16	1	58	54	W	22	19	12	23	21	7.7				
Sensor IDs (initially & swap-outs)												CTD MAX. DEPTH = 32							
SBE type and S/N		Local Time (AKDT)																	
PRESS S/N	911plus - Dyson	Pycnocline Depth= 10 - 12																	
TEMP 1 & 2 S/Ns	772 - Dyson	Weather:																	
COND 1&2 S/Ns	2376 and 4379 - Dyson	COMMENT: Difficult conditions, factors that may affect measurements or aid processing																	
FLUOR S/N	759 - EMA	BLANKS																	
O2 (SBE43) S/N	904 and 910 - PMEL	CH20 VIMS mislabeled as STN16. MADE NEW TABES, HOPEFULLY, THEY will stick.																	
Transmiss S/N	1066 - EMA																		
PAR S/N	70103 - EMA																		
O2 SBE42 S/N	N/A																		
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				
DESIRED		SALT BT		Nut BT		Oxy BT		7+		250	250				Nisk #				
1	BOT							78							1				
2	3.0														2				
3	2.0							79							3				
4	1.0							80							4				
5	0							81	111						5				
6															6				
7															7				
8															8				
9															9				
10															10				
11															11				
12															12				

VESSEL Oscar Dyson		CRUISE ID DY1208		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)	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
916	56	30.07 N	160.59.01 W	24 Aug	1200	1610	13	18	296	14	18	28	14	18	22	
Sensor IDs (initially & swap-outs)		Local Time (AKDT)		1	2											CTD MAX. DEPTH = 75
SBE type and S/N		911plus - Dyson		Pycnocline Depth = 26 - 30		Depth of FL max = 28		Weather:								
PRESS S/N		772 - Dyson														
TEMP 1&2 S/Ns		2376 and 4379 - Dyson														
COND 1&2 S/Ns		2985 and 3127 - Dyson														
FLUOR S/N		759 - EMA														
02 (SBE43) S/N		904 and 910 - PMEL														
Transmiss S/N		1066 - EMA														
PAR S/N		70103 - EMA														
02 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	Bottom	50		102		103		250		250				1		
2		40		104		105								2		
3		30		106		107								3		
4		20		108		109								4		
5		10		110		111								5		
6		7		112		113								6		
7		8		114		115								7		
8		9		116		117								8		
9		10		118		119								9		
10		11		120		121								10		
11		122		123		124								11		
12		125		126		127								12		

VESSEL Oscar Dyson		CRUISE ID DY4208		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)	WET BULB PRESSURE	SEA STATE VISIBILITY	WIND DIRN.	WIN D SPD.	CLOUD (amt)	WEATHER	BOTTO M	STA. NAME/ID
	DEG	MIN	DEG	MIN	DAY	MO	HR	(°C)	(°C)	(mb)	*	*	(deg)	(kts)	*	(m)
01	9	55	30	.0	16	3	59	48	8	1	2	20	48	26	94	30
Sensor IDs (initially & swap-outs)	Local Time (AKDT)		1 2		Pycnocline Depth = 16 - 20 ±		Depth of FL max = 24 - 30		Weather: Fog - 4 - 6 ft seas							
SBE type and S/N	911plus - Dyson		772 - Dyson		COMMENT: Difficult conditions, factors that may affect measurements or aid processing		SOMEONE DUPLICATES DOC, TSQ									
TEMP 1&2 SNS	2376 and 4379 - Dyson		COND 1&2 SNS		2985 and 3127 - Dyson		FLUOR S/N		759 - EMA		904 and 910 - PMEL		Transmiss S/N		1066 - EMA	
PAR S/N	70103 - EMA		02 SBE42S/N		N/A											
Nisk #	DEPTH	Rosette Notes		Hydro Team-PMEL		Stacked GFF+>10 vol	Stacked dip vol	Unstack GFF vol	Unstack GFF dip vol	Unstack >10 vol	Unstack >10 dip vol	POC 500 ml	Comments or other samples		Nisk #	
1	Bottom	SALT BY		SALT BY		124	279									1
2	7.5	50		50		125	126	500	500	250	250					2
3	40	30		30		127	128									3
4	20	20		20		129	130									4
5	—	—		—												5
6	—	—		—												6
7	—	—		—												7
8	10	10		10												8
9	0	0		0												9
10																10
11																11
12																12

VESSEL Oscar Dyson		CRUISE ID 2012-08		PROJECT & LEG (if needed) BASIS leg		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)	WEIGHT AT BULB (g)	PRESSURE SEA STATE VISIBILITY	WIND DIRN SPD	WIN D CLOUD TYPE	BOTTO M DEPTH	STA NAME/DI
02	3	57	29	.43	N	16	3	58	.79	W	2.5	14	12	23	57	9.0	14
02	3	57	29	.43	N	16	3	58	.79	W	2.5	14	12	23	57	9.0	14
Sensor IDs (initially & swap-outs)		Local Time (AKDT)		1		2											
SBE type and S/N		911plus - Dyson		Pycnocline Depth = 19 - 22				Depth of FL max = 15									
PRESS SN		772 - Dyson		Weather: Foggy with chance of rain													
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																	
PAR SN		1066 - EMA															
02 SBE42SN		70103 - EMA															
02 SBE42SN		N/A															
Nisk #	DEPTH	ROSETTE NOTES	TEAM	Hydro	Team - PMEL	Stacked SALT BOTTLE	Stacked NUT BOTTLE	Stacked OXY BOTTLE	Unstacked GFF Vol	Unstacked GFF Vol	Unstacked GFF Vol	Unstacked >10 vol	Unstacked >10 vol	POC 500ml	Comments of other samples	Nisk #	
1	30	T				156	293		250		250						1
2	40					157											2
3	30						158										3
4	20							159									4
5	10								160								5
6	0									161							6
7																	7
8																	8
9																	9
10																	10
11																	11
12																	12

CTD MAX DEPTH = 46.6

VESSEL Oscar Dyson		CRUISE ID D1208		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)	WET BULB	PRESSURE	SEA STATE	WIND DIRN	WIN D	CLOUD (amt)	BOTTO M	STA- NAME/END		
DEG	MIN	DEG	MIN	DAY	MO	YR	HR	MB	(°C)	(°C)	(mb)	*	(deg)	(kts)	TYPE WEATHER	DEPTH (m)
02	45	759.25	N	16400	27	W	26416	12	0621	19.1	13	*	189	19	46	
12																
Sensor IDs (initially & swap-outs)		Local Time (AKDT)		1	2											
SBE type and S/N	911plus - Dyson	Pycnocline Depth = ~ 16 m														
PRESS SN	772 - Dyson	Weather: <i>foggy seas</i>	5-6													
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															
Nisk #	DEPTH m	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	11	163			250		250				1				
2	30		164									2				
3	20		165									3				
4	10		166									4				
5	0		167 281									5				
6												6				
7												7				
8												8				
9												9				
10												10				
11												11				
12												12				

VESSEL Oscar Dyson		CRUISE ID DY1208		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)	WET BULB	PRESSURE	WIND DIRN.	WIN D TYPE	BOTTO M DEPTH	STA. NAME/DI						
DEG	MIN	DEG	MIN		DAY	MO	YR	HR	MIN	(°C)	(mb)	*	(deg)	(kts)	*	*	(m)	
02	558	30.74	N	163	S	59.19	W	26	14	12	1624	9.4	.	09	224	23	38	
02	558	30.74	N	163	S	59.19	W	26	14	12	1624	9.4	.	09	224	23	38	
02	558	30.74	N	163	S	59.19	W	26	14	12	1624	9.4	.	09	224	23	38	
Sensor IDs (initially & swap-outs)																		
SBE type and S/N	911plus - Dyson	Local Time (AKDT)	1	2	Depth of FL max =	None	Depth of FL max =	None	Depth of FL max =	None	Depth of FL max =	None	Depth of FL max =	None	Depth of FL max =	None	Depth of FL max =	None
PRESS SN	772 - Dyson	Weather:	dark	windy	raining	seas	8-10	ft										
TEMP 1&2 SNS	2376 and 4379 - Dyson	COMMENT: Difficult conditions, factors that may affect measurements or aid processing	DUPLICATES, TSF															
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																	
Sampling Log																		
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 Btl	Nut Btl	Oxy Btl													
1	Bottom		168	K284		250	250	250	250	500 ml		1						
2	30		169									2						
3	20		170									3						
4	10		171									4						
5	0		172									5						
6												6						
7												7						
8												8						
9												9						
10												10						
11												11						
12												12						

VESSEL Oscar Dyson		CRUISE ID L7/208		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)	WET BULB	WET PRESSURE	WIN DIRN.	WIN SPD.	BOTTO M	STA. NAME/D				
	DEG	MIN	DEG	MIN	DAY	MO	YR	HR	MIN	(°C)	(°C)	(mb)	*	(deg)	(kts)	*	*	
026	58	30	44	N	16	45	9	.5	1	W	26	949	12	31	20	8.8	09	24422
SBE type and SN	911plus - Dyson		Local Time (AKDT)		1	2												
PRESS SN	772 - Dyson		Pycnocline Depth= <i>None</i>		Depth of FL max = <i>None</i>		Weather:											
TEMP 1&2 SNS	2376 and 4379 - Dyson		COMMENT: Difficult conditions, factors that may affect measurements or aid processing		POC, SHUCKED Duplicates, TS9													
COND 1&2 SNS	2985 and 3127 - Dyson																	
FLUOR SN	759 - EMA																	
02 (SBE42) SN	904 and 910 - PMEL																	
Transmiss SN	1966 - EMA																	
PAR SN	70103 - EMA																	
02 SBE42SN	N/A																	
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 500ml	Comments on other samples			Nisk #			
1	Bot		174				250		250									1
2	30		175															2
3	20		176															3
4	10		177															4
5	0		178		*24	200	500											5
6																		6
7																		7
8																		8
9																		9
10																		10
11																		11
12																		12

CTD MAX. DEPTH = 38.7

VESSEL Oscar Dyson		CRUISE ID DY1108		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	Temp (°C)	WET PRESSURE	SEA STATE VISIBILITY	WIND DIRN SPD.	WIN D CLOUD (amt)	BOTTO M DEPTH	STA. NAME/D								
DEG	MIN	DEG	MIN	DAY	MO	YR	HR	MIN	(°C)	(°C)	(mb)	*	(deg)	(kts)	*	*	(m)			
02	7	57	39.99	16	45	9	40	W	22	14	61	02	23	81	113	313	16	49		
SBE type and SN	911plus - Dyson								1	2							CTD MAX. DEPTH = 44.3			
PRESS SN	772 - Dyson																			
TEMP 1&2 SNS	2376 and 4379 - Dyson																			
COND 1&2 SNS	2885 and 3127 - Dyson																			
FLUOR SN	759 - EMA																			
O2 (SBE-43) SN	904 and 910 - PMEL																			
Transmiss SN	1066 - EMA																			
PAR SN	70103 - EMA																			
O2 SBE42SN	N/A																			
Sensor IDs (initially & swap-outs)		Local Time (AKDT)		Depth of FL max =		Depth of FL max =		Depth of FL max =		Depth of FL max =		Depth of FL max =		Depth of FL max =						
PRESS SN		772 - Dyson		Weather: Forecast		None		seas. 5-6 ft												
TEMP 1&2 SNS		2376 and 4379 - Dyson		COMMENT: Difficult conditions, factors that may affect measurements or aid processing		BLANKS														
COND 1&2 SNS		2885 and 3127 - Dyson																		
FLUOR SN		759 - EMA																		
O2 (SBE-43) 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 #								
DESIRER	SALT/BT	Nut/Bt	Oxy/Bt																	
1	30	44	180	183	250							1								
2	40		181	Dolittle Design								2								
3	30		182	Unbroken O2								3								
4	20		183	SOX								4								
5	10		184									5								
6	0		185									6								
7												7								
8												8								
9												9								
10												10								
11												11								
12												12								

VESSEL Oscar Dyson		CRUISE ID <i>Okeanos</i>		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	WIND DIRN.	WIN D CLOUD (amt)
DEG	MIN	DEG	DAY	MO	YR	(°C)	(mb)	SPD. deg)	TYPE (kts)
0	36 56 00 . 52 N	165 59 . 36 W	19	4	46	12	14	11	114
1									
2									
3									
4									
5									
6									
7									
8									
9									
10									
11	D								
12									

Sensor IDs (initially & swap-outs)

SBE type and SN	Local Time (AKDT)	Depth of FL max = ~ 20-24	CTD MAX. DEPTH = 110
SBE 91plus - Dyson	1	5 - 7	
PRESS SN	772 - Dyson	Seas	
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		

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

Secondary temp sensor jumping at over near bottom and on upcast.

TSG, DUPLICATES

VESSEL Oscar Dyson		CRUISE ID TD 1/20 8	PROJECT & LEG (if needed) BASIS leg	CTD FileName (No need if data is live feed)	STATION NO.												
CTD consec CAST #		LATITUDE	LONGITUDE	GMT DATE (note if not)	GMT Time	WET BULB	PRESSURE	WIND DIRN.	BOTTO M	STA NAME/ID.							
DEG	MIN	DEG	MIN	DAY	MO	YR	HR	MIN	(°C)	(°C)	(mb)	*	(deg)	(kts)	*	(m)	
038	56	59.88	N	165	59	.86	W	30	44.6	12	0239	8.6	D4	24	27	24	67
								1		2							
Sensor IDs (initially & swap-outs)		Local Time (AKDT)		Depth of FL max = 23 m		CTD MAX. DEPTH = 69.5											
SBE type and SN		9 11plus - Dyson		Depth of FL max = 23 m		CTD MAX. DEPTH = 69.5											
PRESS SN		772 - Dyson		Depth of FL max = 23 m		CTD MAX. DEPTH = 69.5											
TEMP 1&2 SNS		2376 and 4379 - Dyson		Depth of FL max = 23 m		CTD MAX. DEPTH = 69.5											
COND 1&2 SNS		2985 and 3127 - Dyson		Depth of FL max = 23 m		CTD MAX. DEPTH = 69.5											
FLUOR SN		759 - EMA		Depth of FL max = 23 m		CTD MAX. DEPTH = 69.5											
02 (SBE43) SN		904 and 910 - PMEL		Depth of FL max = 23 m		CTD MAX. DEPTH = 69.5											
Transmiss SN		1066 - EMA		Depth of FL max = 23 m		CTD MAX. DEPTH = 69.5											
PAR SN		70103 - EMA		Depth of FL max = 23 m		CTD MAX. DEPTH = 69.5											
02 SBE42SN		N/A		Depth of FL max = 23 m		CTD MAX. DEPTH = 69.5											
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 500ml	Comments or other samples	Nisk #					
1	Bot	45m	270			250							1				
2	50		271			250							2				
3	40		272										3				
4	30		273										4				
5	20		274										5				
6	10		275										6				
7	-												7				
8	0		19	276	176								8				
9													9				
10													10				
11													11				
12													12				

COMMENT: Difficult conditions, factors that may affect measurements or aid processing
3/14/15 LS

Weather:

Seas 6-8 ft.

VESSEL Oscar Dyson		CRUISE ID DY1204		PROJECT & LEG (if needed) BASIS leg		CTD File Name (No need if data is live feed)		STATION NO. D65								
CTD consec CAST #	LATITUDE	LONGITUDE	GMT DATE	(note if not)	GMT Time	Temp (°C)	WET BULB	PRESSURE	SEA STATE VISIBILITY	WIND DIRN.	WIN D SPD.	CLOUD (amt)	WEATHER	BOTTO M DEPTH	STA- NAME/ID	
DEG	MIN	DEG	MIN	DAY	MO	YR	HR	MIN	(°C)	(°C)	(mb)	*	(deg)	(kts)	*	(m)
043	59° 00' . 46 N	166° 58' . 99 W	31	AUG	12	14	05	6.9	03	24	1.0	38	65			
SBE type and S/N	911plus - Dyson	Local Time (AKDT)			1	2										
PRESS SN	772 - Dyson	Pycnocline Depth =	None													
TEMP 1&2 SNS	2376 and 4379 - Dyson	Weather:	Dark													
COND 1&2 SNS	2985 and 3127 - Dyson	COMMENT: Difficult conditions, factors that may affect measurements or aid processing	DUPLICATES, TS9													
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 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	30t		303 x 133			250		250				1				
2	30		304									2				
3	20		305									3				
4	10		306									4				
5	0		307									5				
6												6				
7												7				
8												8				
9												9				
10												10				
11												11				
12												12				

VESSEL Oscar Dyson		CRUISE ID DY 12/20/8	PROJECT & LEG (if needed) BASIS leg		CTD File Name (No need if data is live feed)		STATION NO.							
CTD consec CAST #		LATITUDE	LONGITUDE	GMT (note if not)	GMT Time	WET TEMP BJLB	PRESSURE SEA STATE VISIBILITY	WIND DIRN. SPD.	WIN D CLOUD TYPE	BOTTO M DEPTH	STO NAME			
DEG	MIN	DEG	MIN	DAY	MO	YR	HR	MIN	(°C)	(°C)	(mb)	(deg)	(kts)	(m)
04	45	84	97	16	6	59	87	w	31	A	91	12	19	07
									6.9		0.9		2.68	10
														46
														66
Sensor IDs (initially & swap-outs)		Local Time (AKDT)		1	2									CTD MAX. DEPTH = 41
SBE type and S/N		9 11plus - Dyson		Pycnocline Depth=		None		Depth of FL max =		None				
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 182 SNS		2985 and 3127 - Dyson		Stacked Duplicated, POC, 159										
FLUOR SN		759 - EMA												
DO (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 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	30	BoT	22	309	500	500	250	250				1		
2	30											2		
3	30											3		
4	10											4		
5	0											5		
6												6		
7												7		
8												8		
9												9		
10												10		
11												11		
12												12		

VESSEL Oscar Dyson		CRUISE ID Dyson		PROJECT & LEG (if needed)		CTD File Name (No need if data is live feed)		STATION NO.														
CTD consec CAST #		LATITUDE		LONGITUDE		GMT (note if not)		GMT Time		WET BULB		PRESSURE SEA STATE		WIND DIRN		WIN D CLOUD TYPE		BOTTO M DEPTH		STA- NAME/ID		
DEG	MIN	DEG	MIN	DAY	MO	YR	HR	MIN	(°C)	(°C)	(mb)	*	(deg)	(kts)	*	(m)						
048	56	30.	35	N	167	59	.89	W	0	1	8	9	99	11	23	8	9	99	11	23	106	97
Sensor IDs (initially & swap-outs)																						
SBE type and SN		911plus - Dyson																				
PRESS SN		772 - Dyson																				
TEMP 1&2 SNS		2376 and 4379 - Dyson																				
COND 1&2 SNS		2885 and 3127 - Dyson																				
FLUOR SN		759 - EMA																				
DO (SBE43) SN		904 and 910 - PMEL																				
Transmiss SN		1066 - EMA																				
PAR SN		70103 - EMA																				
PAR 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	B7	307	X24	Salt Bl	Nit Bl	Oxy Bl																
2	75		337																			
3	50		338																			
4	40		339																			
5	30		310																			
6	20	-	341																			
7	-	-	-																			
8	10		342																			
9	0		343																			
10																						
11																						
12																						

CTD MAX DEPTH = 99.2

Depth of FL max = 24-26

Pycnocline Depth= 22-30

Local Time (AKDT)

Weather:

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

POC, STRENGTHS Duplicated, TS9

VESSEL Oscar Dyson		CRUISE ID Dyson		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	Temp (°C)	WET BULB	PRESSURE	SEA STATE	WIND DIRN. SPD.	WIN D CLOUD (amt)	BOTTO M DEPTH	STA NAME/ID
DEG	MIN	DEG	MIN	DAY MO YR HR MIN	(°C)	(°C)	(mb)	(deg)	(kts)	(deg)	(m)	
049	S 60° 29'	N 166° 59' W	01 Sep 12	00 36	9.7	9.4	1018	14	13	07	07	
Sensor IDs (initially & swap-outs)		Local Time (AKDT)		1 2		Depth of FL max = 2 - 8		CTD MAX. DEPTH = 130				
SBE type and S/N		9 11plus - Dyson		Pycnocline Depth= 30 - 40		Depth of FL max = 2 - 8						
PRESS SN		772 - Dyson		Weather: FOGGY		Sea = FOGGY						
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		BLOCKS								
FLUOR SN		759 - EMA		END LEG								
02 (SBE43) SN		904 and 910 - PMEL										
Transmiss SN		1066 - EMA										
PAR SN		70103 - EMA										
02 SBE42SN		N/A										

VESSEL Oscar Dyson	CRUISE ID	PROJECT & LEG (if needed) BASIS leg 2	CTD FileName (No need if data is live feed)	STATION NO. 74
CTD consec CAST #	LATITUDE DEG MIN	LONGITUDE DEG MIN	GMT DATE DAY MO YR Time HR MIN	WET BJUB PRESSURE SEA STATE VISIBILITY WIND DIRN. SPD. CLOUD (amt) TYPE WEATHER DEPTH BOTTO M STA. NAMEID
05	54 58 .87 N	167 00 .30 W	09 SEP 12 1638 3.9	14 16 160
SBE type and S/N	911plus - Dyson	Local Time (AKDT)	1 2	CTD MAX. DEPTH =
PRESS SN	772 - Dyson	Pycnocline Depth =	NO	
TEMP 1&2 SNS	2376 and 4379 - Dyson	Weather:		
COND 1&2 SNS	2985 and 3127 - Dyson	COMMENT: Difficult conditions, factors that may affect measurements or aid processing		
FLUOR SN	759 - EMA	can fix for transmission issue at 1000m		
02 (SBE43) SN	904 and 910 - PMEL			
Transmis SN	1066 - EMA			
PAR SN	70103 - EMA	START LEG 2		
02 SBE42SN	N/A			
Nisk #	DEPTH	Rosette Notes	Hydro Team-PMEL	Comments or other samples
	DESIRED	SALT BH Nut BH Oxy BH	Stacked GFF +>10 vol	Nisk #
1	5	5mb	465	1
2	5	125	2	2
3	10	100	3	3
4	15	75	4	4
5	10	50	5	5
6	5	40	250	All were unstacked.
7	X	—	250	7
8	5	30	250	8
9	5	20	250	9
10	X	—	250	10
11	10	10	250	11
12	5	0	250	12

Did not use combustible
LEP

VESSEL Oscar Dyson		CRUISE ID DY1207		PROJECT & LEG (if needed)		CTD File Name (No need if data is live feed)		STATION NO.						
CTD consec CAST #	LATITUDE	LONGITUDE	GMT DATE not)	GMT Time	Temp (°C)	WET BULB (°C)	PRESSURE (mb)	SEA STATE VISIBILITY	WIND DIRN. (deg)	WIN D SPD (kts)	CLOUD (amt)	WEATHER	BOTTO M DEPTH (m)	STA, NAMEID
DEG	MIN	DEG	MIN	DAY MO YR HR MIN	(°C)	(°C)	(mb)	(deg)	(kts)	*	*	*		
05	155	29.668	N	167 00.52 W	08 Sep 12	06.45	7.1	16	034	1.3			132	
Sensor IDs (initially & swap-outs)		Local Time (AKDT)		Depth of FL max = Surface		CTD MAX DEPTH = 132								
SBE type and SN	911plus - Dyson	Pycnocline Depth=	38-44	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													
02 (SBE43) SN	904 and 910 - PMEL													
Transmiss SN	1066 - EMA													
PAR SN	70103 - EMA													
02 SBE42SN	N/A													
Nisk #		DESPETH	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 #	
1	5	Mad			12								1	
2	125				13								2	
3	100				14								3	
4	75				15								4	
5	SD				16								5	
6	40				17								6	
7	—												7	
8	30				18								8	
9	20				19								9	
10	—												10	
11	10												11	
12	0												12	
					21	239 bottles	250	250	250	250				

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
0535600.65	N 168 00.	01w 08 SEP 12	19 47 7.6	23	07302						138
SBE type and S/N	911plus - Dyson		1 2								
PRESS SN	772 - Dyson										
TEMP 1&2 SNS	2376 and 4378 - 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										
Nisk #	DEPTH DESIRED	Rosette Notes	Hydro Team-PMEL	Stacked GFF+>10 vol	Stacked dup vol	Unstack GFF vol	Unstack GFF vol	Unstack >10 vol	Unstack >10 dup vol	POC 500 ml	Comments or other samples
1	100		SALT:BH Nut:BH Oxy:BH	32	22						Nisk #
2	125			33							1
3	100			34							2
4	75			35							3
5	50			36	250						4
6	40			37	250						5
7				—							6
8	30			38	250						7
9	20			39	250	250	250	250	250		8
10				—							9
11	10			40	250*	250	250	250	250	MICRO2000	10
12	0			41	250*	250	250	250	250	MICRO2000	11
											12

* Labeled ref B

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
Sensor IDs (initially & swap-outs)		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 DY/208		PROJECT & LEG (if needed) Basis leg 2		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 TEMP (°C)	PRESSURE (mb)	SEA STATE DIRN (deg)	WIND SPD. (kt)	WIN CLOUD (amt)	BOTTO M DEPTH	STA. NAME/ID		
058	58	29	.95	N	16	75	9	.57	W	10	Sep	1	2	00	10	6.4	15	142	18	54
Sensor IDs (initially & swap-outs)		Local Time (AKDT)		1	2															
SBE type and S/N	911plus - Dyson	Pycnocline Depth = 18 - 21		Depth of FL max = 13. Above pycn layer																
PRESS SN	772 - Dyson	Weather: Overcast seas have a few white caps																		
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																			

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 #		DEG	MIN	DEG	MIN	DATE	GMT (note if not)	GMT	Time	Temp (°C)	W.M. MET SUITE	PRESSURE	SEA STATE	WIND DIRN.	WIN D CLOUD (amt)	BOTTO M	STA. NAME/ID		
						DAY	MO	YR	HR	MIN	(°C)	(mb)	(deg)	(kts)	*				
D	6	3	60	00	.64	N	16	80	1	.23	W	11	S E P	12	14	08	7.5	101.03	071.15
Sensor IDs (initially & swap-outs)																			
SBE type and S/N		Local Time (AKDT)																	
PRESS SN	911plus - Dyson	Depth of FL max = Below 10m ~1 m ³																	
TEMP 1 & 2 SNS	772 - Dyson	Depth of FL max = Below 10m ~1 m ³																	
COND 1&2 SNS	2376 and 4379 - Dyson	Depth of FL max = Below 10m ~1 m ³																	
FLUOR SN	2985 and 3127 - Dyson	Depth of FL max = Below 10m ~1 m ³																	
	759 - EMA	Depth of FL max = Below 10m ~1 m ³																	
O2 (SBE3) SN	904 and 910 - PMEL	Depth of FL max = Below 10m ~1 m ³																	
Transmiss SN	1086 - EMA	Depth of FL max = Below 10m ~1 m ³																	
PAR SN	70103 - EMA	Depth of FL max = Below 10m ~1 m ³																	
O2 SBE42SN	N/A	Depth of FL max = Below 10m ~1 m ³																	
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 #				
DESIRED			SALT/BT Nut/Bt	Oxy/Bt															
1	B	22		546											1				
2		20		547											2				
3		10		548											3				
4		0		500											4				
5				500											5				
6				250											6				
7				250											7				
8				250											8				
9				250											9				
10				250											10				
11				250											11				
12				250											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 #		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	6	5	59	00	.72	N	168	59	.60	W	12	SER	12	0205	8.792	06	012	15	52
Sensor IDs (Initially & swap-outs)				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				772 - Dyson															
COND 1&2 S/Ns				2376 and 4379 - Dyson															
FLUOR S/N				2985 and 3127 - Dyson															
O2 (SBE43) S/N				759 - EMA															
Transmiss S/N				904 and 910 - PMEL															
PAR S/N				1066 - EMA															
PAR S/N				70103 - EMA															
O2 SBE2SN				N/A															

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. 097												
CTD consec CAST #		DEG	MIN	DEG	MIN	DAY	MO	YR	HR	MIN	Temp (°C) (°C)	WHT SWELL A-BUB	PRESSURE (mb)	SEA STATE (deg)	VISIBILITY (m)	WIND DIRN.	D SPD. (kts)	WIN D CLOUD (anti) TYPE WEATHER	BOTTO M DEPTH (m)	STA NAME/ID
0	6	6	58	29	.92	N	16	8	59	.68	W	12	3	SEP	12	07	39	6.9	101.1	18
0	6	6	58	29	.92	N	16	8	59	.68	W	12	3	SEP	12	07	39	6.9	101.1	18
Sensor IDs (initially & swap-outs)		Local Time (AKDT)		1		2												67		
SBE type and S/N		911plus - Dyson		Pycnocline Depth= 17 ~ 19 m		Depth of FL max = 12 m												CTD MAX. DEPTH = 62		
PRESS SN		772 - Dyson		Weather: Dark, overcast		seas 3-4 ft														
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		70103 - EMA																		
O2 SBE42SN		N/A																		
Nisk #	DEPTH DESIRED	Rosette Notes		Hydro Team - PMEL		Stacked GEF +>10 vol		Slacked dup vol		Unstack GEF vol		Unstack GEF dup vol		Unstack >10 vol		Unstack >10 dup vol		POC 500ml		
		SALETTED Nut/Bt		Oxy Bt														Comments or other samples		
1	10					562												1		
2	50					563												2		
3	40					564												3		
4	30					565												4		
5	20					566												5		
6	10					567												6		
7	—																	7		
8	10					568		133										8		
9	—																	9		
10	—																	10		
11	—																	11		
12	—																	12		

VESSEL Oscar Dyson	CRUISE ID SBE42-03	PROJECT & LEG (if needed)	CTD FileName (No need if data is live feed)	STATION NO. 102								
CTD consec CAST #	LATITUDE	LONGITUDE	GMT (note if not)	GMT Time	Temp (°C) (°F)	WET BOTT	PRESSURE (mb)	SEA STATE VISIBILITY	WIND DIRN. SPD.	WIN D TYPE WEATHER	BOTTO M DEPTH	STA NAME/ID
DEG	MIN	DEG	MIN	DAY MO YR HR MIN	(°C) (°F)	(mb)	(deg)	(kts) (m)	(m)			
069	5700.62	N	16859.47	W	13 SEP 12 0150	6.2 80	1010	5.1	12	80		
0	0											
1	2											
2	3											
3	4											
4	5											
5	6											
6	7											
7	8											
8	9											
9	10											
10	11											
11	12											

Sensor IDs (initially & swap-outs)

Local Time (AKDT)

1.2

SBE type and SN

911plus - Dyson

Pycnocline Depth=

16 - 35

Press SN

772 - Dyson

TEMP 1&2 SNS

2376 and 4379 - Dyson

COND 1&2 SNS

2985 and 3127 - Dyson

<p

VESSEL Oscar Dyson		CRUISE ID TRANS-OR		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 (%)	PRESSURE (mb)	SEA STATE VISIBILITY	MIND DIRN. (deg)	WIN D CLOUD (amt)	BOTTO M DEPTH	STA. NAME/ID
DEG	MIN	DEG	MIN	DAY	MO	YR	HR	MIN	(°C)	(°C)	(kts)	(m)	
03	156	00.44	168 59.77	W	13	SEP	12	1931	6.79	0.08	14.5	26	1300
03	156	00.44	168 59.77	W	13	SEP	12	1931	6.79	0.08	14.5	26	1300
Sensor IDs (initially & swap-outs)		Local Time (AKDT)		1	2								
SBE type and S/N	9 11plus - 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												
COND 1&2 S/Ns	2985 and 3127 - Dyson												
FLUOR S/N	759 - EMA												
02 (SBE43) S/N	904 and 910 - PMEL												
Transmiss S/N	1066 - EMA												
PAR S/N	70103 - EMA												
02 SBE42 S/N	N/A												

VESSEL Oscar Dyson		CRUISE ID D412-02	PROJECT & LEG (if needed)	CTD FileName (No need if data is live feed)	STATION NO.										
CTD consec CAST #		LATITUDE	LONGITUDE	GMT (note if not)	GMT DATE	Time	Temp (°C)	WET BULB TEMP	PRESSURE (mb)	SEA STATE VISIBILITY	WIND DIRN	WIN D SPD.	CLOUD (amt)	BOTTO M DEPTH	STA. NAME/D
0	7	2	56.00	141.14N	169.58	96W	14	2020	9.5	100	01	06.2	8	289	
															CTD MAX. DEPTH = 284
Sensor IDs (Initially & swap-outs)		Local Time (AKDT)		Depth of FL max = ~14m		Pycnocline Depth=		Weather:		COMMENT: Difficult conditions, factors that may affect measurements or aid processing					
PRESS SN															
TEMP 1&2 SNS															
COND 1&2 SNS															
FLUOR SN															
02 (SBE43) SN															
Transmiss SN															
PAR SN															
02 SBE42SN															
Nisk #	DEPTH	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	284			52								1			
2	303			53								2			
3	100			54								3			
4	745			55								4			
5	50			56								5			
6	40			57								6			
7	—			—								7			
8	30			58								8			
9	20			59								9			
10	—											10			
11	10											11			
12	0											12			

VESSEL Oscar Dyson		CRUISE ID 04/22-04		PROJECT & LEG (if needed) BASIS leg T		CTD File Name (No need if data is live feed)		STATION NO. 118															
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	118
Sensor IDs (initially & swap-outs)																							
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																						
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	Nisk #											
1	500	600	99								621	1											
2	50		100								622	2											
3	40										623	3											
4	30										624	4											
5	20										625	5											
6	10										626	6											
7	—										—	7											
8	D		105 - 290								627	8											
9												9											
10												10											
11												11											
12												12											

VESSEL Oscar Dyson		CRUISE ID DY12-DY		PROJECT & LEG (if needed) BASIS leg <u>T</u>				CTD File Name (No need if data is live feed)										STATION NO. <u>121</u>				
CTD consec CAST #		LATITUDE		LONGITUDE		GMT DATE	(note if not)	GMT	RH % WET BTB			PRESSURE		SEA STATE VISIBILITY		WIND DIRN. SPD.	WIN D CLOUD (amt)	BOTTO M DEPTH	STA. NAME/ID			
DEG	MIN	DEG	MIN	DAY	MO	YR	HR	MIN	Temp (°C)	(°C)	(fm)	*	(deg)	(kts)	*	(m)						
D	8	1	62	11	.95	N	74	45	.15	W	18	SEP	12	13	32	2.5	24.0	92	068	15	25	112
Sensor IDs (Initially & swap-outs)		Local Time (AKDT)		1		2																
PRESS SN		SBE type and S/N		9 11plus - Dyson		772 - Dyson		Depth of FL max = ~21 m														
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																					
Nisk #		DEPTH	Rosette Notes		Hydro Team PMEL		Stacked GFP+>10 vol	Stacked GFP vol	Unstack GFP vol	Unstack GFP dip vol	Unstack >10 wq vol	Unstack >10 dup vol	POG 500 ml	Comments or other samples in Nisk		Nisk #						
1		50	a. 72		121									642		92						
2		50			122									643		2						
3		40			123									644		3						
4		30			124									645		4						
5		21												101		5						
6		21												290		6						
7		21												291		7						
8		21												290		8						
9		20			125									290		9						
10		—												646		10						
11		10			126									287		11						
12		0			•481									290		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 #	LATITUDE	LONGITUDE	GMT DATE (note if not)	GMT Time	TEMP RH% WET RH%	PRESSURE	SEA STATE	VISIBILITY	WIND DIRN SPD.	WIN D CLOUD TYPE	WEATHER	BOTTO M DEPTH	STA NAME/ID
DEG	MIN	DEG	MIN	DAY MO YR HR MIN	(°C)	(°C)	(mb)	(deg)	(kts)	(m)			
086	6143.62	N 17351.19	W	18 SEP 12 2059	4.1	16.96	030	16	723				
Sensor IDs (initially & swap-outs)		Local Time (AKDT)		1	2								
SBE type and SN	911plus - Dyson	772 - Dyson											
PRESS SN													
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												

VESSEL Oscar Dyson		CRUISE ID S3312-08		PROJECT & LEG (if needed) BASIS leg 2		CTD FileName (No need if data is live feed)		STATION NO. 128																	
CTD consec CAST #	LATITUDE	LONGITUDE	GMT DATE not	GMT Time	TEMP WET TEMP	PRESSURE	SEA STATE	WIND DIRN	WIN D SPD.	CLOUD (amt)	BOTTO M DEPTH	STA NAME/ID													
DEG	MIN	DEG	MIN	DAY	MO	YR	HR	Temp (°C)	(°C)	(mb)	*	(deg)	(kts)	*	(m)										
0	8	8	6	1	24	.8	1	73	44	.1	18	SEP	1	2	329	4	.7	74	.1	97	0	13	15	76	128
Sensor IDs (initially & swap-outs)		Local Time (AKDT)		1		2																			
SBE type and S/N	9 11plus - Dyson	Pycnocline Depth =	19 - 26					Depth of FL max =		30															
PRESS S/N	772 - Dyson	Weather:																							
TEMP 1 & 2 SNS	2376 and 4379 - Dyson	COMMENT: Difficult conditions, factors that may affect measurements or aid processing						30051																	
COND 1&2 SNS	2985 and 3127 - Dyson																								
FLUOR S/N	759 - EMA																								
02(SBE43) S/N	904 and 910 - PMEL																								
Transmiss S/N	1066 - EMA																								
PAR S/N	70103 - EMA																								
02 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		131 · 294								1691	1													
2	50		132								1692	2													
3	40		133								1693	3													
4	30		134								1694	4													
5	20		135								1695	5													
6	10		136								1696	6													
7	-											7													
8	0		137									8													
9												9													
10												10													
11												11													
12												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 #		LATITUDE	LONGITUDE	GMT DATE	(note if not)	GMT Time	Temp (°C)	RH TEMP	PRESSURE	SEA STATE	VISIBILITY	WIND DIRN.	WIN SPD.	CLOUD (amt) TYPE	WEATHER	BOTTO M	STA. NAME/ID		
DEG	MIN	DEG	MIN	DAY	MO	YR	HR	(°C)	(mb)	*	(deg)	(kts)	*	(m)					
0	89	16	115.16	N	173	44.42	W	19	SEP	120057	4.2	80	97	352	11	77	129		
Sensor IDs (initially & swap-outs)		Local Time (AKDT)		1	2														
SBE type and S/N		911plus - Dyson		Pycnocline Depth = 16 - 22		Depth of FL max = 20m - 34m		Depth of FL max = 20m - 34m		Depth of FL max = 20m - 34m		Depth of FL max = 20m - 34m		Depth of FL max = 20m - 34m		Depth of FL max = 20m - 34m			
PRESS SN		772 - Dyson		Weather:		Weather:		Weather:		Weather:		Weather:		Weather:		Weather:			
TEMP 1&2 SNS		2376 and 4379 - Dyson		COMMENT: Difficult conditions, factors that may affect measurements or aid processing		COMMENT: Difficult conditions, factors that may affect measurements or aid processing		COMMENT: Difficult conditions, factors that may affect measurements or aid processing		COMMENT: Difficult conditions, factors that may affect measurements or aid processing		COMMENT: Difficult conditions, factors that may affect measurements or aid processing		COMMENT: Difficult conditions, factors that may affect measurements or aid processing		COMMENT: Difficult conditions, factors that may affect measurements or aid processing			
COND 1&2 SNS		2985 and 3127 - Dyson		Kumada Chak Dugnak from 11m at 50m		Kumada Chak Dugnak from 11m at 50m		Kumada Chak Dugnak from 11m at 50m		Kumada Chak Dugnak from 11m at 50m		Kumada Chak Dugnak from 11m at 50m		Kumada Chak Dugnak from 11m at 50m		Kumada Chak Dugnak from 11m at 50m			
FLUOR SN		759 - EMA		Chile		Chile		Chile		Chile		Chile		Chile		Chile			
02 (SBE43) SN		904 and 910 - PMEL		70103 - EMA		70103 - EMA		70103 - EMA		70103 - EMA		70103 - EMA		70103 - EMA		70103 - EMA			
Transmiss SN		1066 - EMA		N/A		N/A		N/A		N/A		N/A		N/A		N/A			
PAR SN		02 SBE42SN		N/A		N/A		N/A		N/A		N/A		N/A		N/A			
Nisk #		DEPTH		Rosetta Notes		Hydro Team-PMEL		Stacked GFF +>40 vol		Stacked GFF dup vol		Unstack GFF vol		Unstack GFF dup vol		Unstack >10 vol		POC 500 ml	
DESIRED		SALT BH Nut BH Oxy BH		vol		vol		vol		vol		vol		vol		vol		Comments or other samples	
1		63		138		138		290		290		298		298		1		1	
2		50		139		139		290		290		299		299		2		2	
3		40		180		180		283		283		283		283		283		3	
4		30		181		181		290		290		290		290		290		4	
5		20		182		182		288		288		288		288		288		5	
6		10		183		183		290		290		290		290		290		6	
7		-		-		-		-		-		-		-		-		7	
8		0		485		184		283		283		291		291		291		8	
9		-		-		-		-		-		-		-		-		9	
10		-		-		-		-		-		-		-		-		10	
11		-		-		-		-		-		-		-		-		11	
12		-		-		-		-		-		-		-		-		12	

VESSEL Oscar Dyson		CRUISE ID DY-2 - DY		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	SEA STATE	WIND DIRN. SPD.	WIN D CLOUD (amt)	BOTTO M DEPTH	STA. NAME/ID
	DEG	MIN	DEG	MIN	DAY	MO	YR	(°C)	(°C)	(mb)	(deg)	(kts)	(m)	
09	16	054.80	N	123	49	.23	W	19	SE	1204	05	41	15	
10													82	
11													11	
12													12	
Sensor IDs (initially & swap-outs)		Local Time (AKDT)		Depth of FL max = 16 - 20 m		Pycnocline Depth = 21 - 23		Depth of FL max = 16 - 20 m		CTD MAX. DEPTH = 272				
SBE type and S/N	911plus - 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	02 (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 GFP >10 vol	Stacked GFP dup vol	Unstack GFP vol	Unstack GFP dup vol	Unstack >10 vol	Unstack >10 dup vol	POC 500ml	Comments or other samples	Nisk #
1	5m	77			4	486	4					712		1
2	50				5							713		2
3	40				6							714		3
4	30				7							715		4
5	20				8							716		5
6	10				9							717		6
7	-											718		7
8	D				10	291						719		8
9												718		9
10												719		10
11												718		11
12												719		12

VESSEL Oscar Dyson		CRUISE ID DY12-08	PROJECT & LEG (if needed) π	CTD File Name (No need if data is live feed)	STATION NO. 133																
CTD consec CAST #	LATITUDE	LONGITUDE	GMT DATE	(note if not)	GMT	WATER TEMP	PRESSURE	SEA STATE VISIBILITY	WIND DIRN.	WIN CLOUD TYPE	WEATHER	BOTTO M DEPTH	STA NAME / ID								
			DEG	MIN	DEG									MIN	DAY	MO	YR	HR	MIN	Temp (°C) (°F)	(mb)
093	60	34.33N	173	38.62W	19	SEP	12	0701	3.9	15	981	015	15	70	100	14					
Sensor IDs (initially & swap-outs)													Local Time (AKDT)			1 2			CTD MAX. DEPTH = 67		
SBE type and SN		911plus - Dyson		Pycnocline Depth = 23 - 27		30 - 36		Depth of FL max = <i>above 15 → about the same</i>		Weather: <i>dark sea, 3-5 ft</i>											
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																			
Nisk #	DEPTH	Roquette 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	5m	67		14							226	1									
2	50			19							223	2									
3	40			24							224	3									
4	30			21							229	4									
5	22										230	5									
6	10			22							231	6									
7	-			23							—	7									
8	D	487	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																
Sensor IDs (initially & swap-outs)		Local Time (AKDT)		Pycnocline Depth = 25 - 31		Depth of FL max = 3 m		Weather: Dark seas 3-5										CTD MAX. DEPTH = 63		
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 BARL	PRESSURE	SEA STATE IDNR.	WIND SPD. DIRN.	WIN D CLOUD TYPE	BOTTO M DEPTH	STA NAME/D	
DEG	MIN	DEG	MIN	DAY	MO	YR	Temp (°C)	(mb)	(deg)	(kts)	*	*	(m)	
096	60	06.	19	N	17	3	19.51	1042	4.0	84.0	346	13	2340M13	
Sensor IDs (initially & swap-outs)		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		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												
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	

VESSEL Oscar Dyson		CRUISE ID DY12-08		PROJECT & LEG (if needed)		CTD File Name (No need if data is live feed)										STATION NO. 138		
CTD consec CAST #		LATITUDE		LONGITUDE		GMT DATE	(note if not)	GMT Time	Temp (°C)	RH WET BTHB	PRESSURE	SEA STATE	WIND DIRN.	WIN D SPD	WIN 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)		
0	9	8	59	58	.50	N	17	21	45	.44	W	19	SE	012	13	19	3.6	89
																	9	
																	8	
																	7	
																	6	
																	9	
																	2	
																	1	
																	2	
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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		
Sensor IDs (initially & swap-outs)		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		COMMENT: Difficult conditions, factors that may affect measurements or aid processing				70m3									
COND 1&2 SNS		2985 and 3127 - Dyson															
FLUOR SN		759 - EMA															
O2 (SBE43) SN		904 and 910 - PMEL						TRANSITION BACK ON CTD									
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	POC 500 ml	Comments or other samples		Nisk #		
1	69			916		32							203			1	
2	50			97				290					204			2	
3	—			—												3	
4	40			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 Oscar Dyson		CRUISE ID SY12-08		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)	RH (%)	WET BRIEF	PRESSURE	WIND DIRN. SPD.	WIN D CLOUD (amt) TYPE WEATHER	BOTTO M DEPTH	S/A NAME/ID																									
DEG	MIN	DEG	MIN	DAY	MO	YR	HR	MIN	(°C)	(°C)	(mb)	*	(deg)	(kt)	(m)																						
108	5926.3	17054.6	27 SEP 12	0418	41.8	90	102	30612	23	30434	102	73	20434	74																							
														CTD MAX. DEPTH = 69																							
Sensor IDs (Initially & swap-outs)		Local Time (AKDT)		1		12																															
SBE type and S/N	911plus - Dyson	Pycnocline Depth= 26 - 29	Depth of FL max = above 25m ~ 1.5 mg/m³																																		
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																																				
02 (SBE43) SN	904 and 910 - PMEL																																				
Transmiss SN	1066 - EMA																																				
PAR SN	- 20402 - EMA																																				
O2 SBE42SN	N/A																																				
Nisk #		DEPTH	Rosette Notes	Hydro Team-PMEL	Stacked GFF >>10 vol	Stacked dip vol	Unstack GFF vol	Unstack GFF dip vol	Unstack >10 dup vol	Unstack >10 dup vol	POC 500 ml	Components or other samples	Nisk #																								
1	68		125 x 198									831		1																							
2	50		126									832		2																							
3	-		-									-		3																							
4	40		127									833		4																							
5	30		128									834		5																							
6	20		129									835		6																							
7	10		130									836		7																							
8	0		131									837		8																							
9												838		9																							
10												839		10																							
11												840		11																							
12												841		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																																																																																																																																					
Sensor IDs (initially & swap-outs)		Local Time (AKDT)		Depth of FL max =		= 1 m ³ 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				COMMENT: Difficult conditions, factors that may affect measurements or aid processing																																																																																																																																							
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 +>10 vol</th> <th>Stacked dup vol</th> <th>Unstack GFF vol</th> <th>Unstack GFF dup vol</th> <th>Unstack >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>848</td> </tr> <tr> <td>9</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td>5</td> </tr> <tr> <td>10</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td>6</td> </tr> <tr> <td>11</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td>7</td> </tr> <tr> <td>12</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td>8</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			848	9									5	10									6	11									7	12									8	
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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4	40		141			290			—																																																																																																																																				
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7	10		145	*	Note: out of sequence	287			4																																																																																																																																				
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VESSEL Oscar Dyson		CRUISE ID DY12-DS	PROJECT & LEG (if needed)		CTD File Name (No need if data is live feed)		STATION NO.																		
CTD consec CAST #		LATITUDE	LONGITUDE	GMT (note if not)	GMT Time	RH % WET BULB	PRESSURE SEA STATE VISIBILITY	WIN D CLOUD (amt) DIRN. SPD. TYPE WEATHER	BOTTO M DEPTH	STA NAME / ID															
DEG	MIN	DEG	MIN	DAY	MO	YR	HR	MIN	(°C)	(°C)	(mb)	*	*	(deg)	(kts)	*	*	(m)							
1	1	2	5	8	52	.09	N	170	19	.21	W	20	35	E	01	20	09	29	41.9	87.1	106	294	13	71	68
Sensor IDs (initially & swap-outs)		Local Time (AKDT)																							
SBE type and S/N	911plus - Dyson	Pycnocline Depth = 24-28		Depth of FL max =		~ 0.8 mg/m ² above 24 m		Weather: Dark seas: 3-5		COMMENT: Difficult conditions, factors that may affect measurements or aid processing															
PRESS S/N	772 - Dyson																								
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	-70403-EMA																								
O2 SBE43 S/N	N/A																								
Depth Data Log																									
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 Btl	Nut Btl	Oxy Btl																						
1	67			153	x/71				290					659		1									
2	50			154										860		2									
3	—			—	—				—					—		3									
4	40			155					290					861		4									
5	30			156					291					862		5									
6	20			157					290					863		6									
7	10			158					287					864		7									
8	D			159					291					865		8									
9														—		9									
10														—		10									
11														—		11									
12														—		12									

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	Temp (°C)	RH % WET BULB	PRESSURE (mb)	SEA STATE VISIBILITY	WIND DIRN.	WIN D CLOUD TYPE	WEATHER	BOTTO M DEPTH	STA NAME/ID								
DEG	MIN	DEG	MIN	DAY	MO	YR	HR	MIN	(°C)	(mb)	*	*	(deg)	(kts)	*	(m)							
1	1	3	58	46	.65	N	170	17	.21	W	20	35	E	P	12	1050	41.8	89.0	0.7	19.2	12	22	68
Sensor IDs (initially & swap-outs) Local Time (AKDT) Depth of FL max =																CTD MAX DEPTH = 68							
SBE type and S/N		911plus - Dyson		PRESS SN		772 - Dyson		Weather:															
TEMP 1&2 S/Ns		2376 and 4379 - Dyson		COND 1&2 S/Ns		2985 and 3127 - Dyson		FLUOR SN		759 - EMA		02 (SBE43) SN		904 and 910 - PMEL		Transmiss SN		1066 - EMA					
PAR SN		49463 - EMA		02 SBE42SN		N/A																	
COMMENT: Difficult conditions, factors that may affect measurements or aid processing																							
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		Commerical or other samples		Risk #	
Risk #		DESIRED		SALT Btl		Nut Btl		Oxy Btl															
1		68		160		161		161		190		190		190		190		190		190		1	
2		50		—		—		—		—		—		—		—		—		—		2	
3		—		—		—		—		—		—		—		—		—		—		3	
4		40		162		162		162		290		290		290		290		290		290		4	
5		30		163		163		163		288		288		288		288		288		288		5	
6		20		164		164		164		290		290		290		290		290		290		6	
7		10		165		165		165		287		287		287		287		287		287		7	
8		D		x 33		166		x 226		291		291		291		291		291		291		8	
9		—		—		—		—		—		—		—		—		—		—		9	
10		—		—		—		—		—		—		—		—		—		—		10	
11		—		—		—		—		—		—		—		—		—		—		11	
12		—		—		—		—		—		—		—		—		—		—		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 #				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
Sensor IDs (initially & swap-outs)		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 GFF 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			891
7	10					186		287			892
8	0					1		291			893
9											8
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
Sensor IDs (initially & swap-outs)		Local Time (AKDT)																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	COMMENT: Difficult conditions, factors that may affect measurements or aid processing																
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) 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	Temp (°C)	TOW WET BUFB	PRESSURE (mb)	SEA STATE VISIBILITY	WIND DIRN. SPD.	WIN D CLOUD (amt)	BOTTO M	STA NAME/ID			
DEG	MIN	DEG	MIN	DAY	MO	HR	MIN	(°C)	(mb)	(deg)	(kts)	*	*	*	*	
11	8	58	59.48	N	169	59	.17	w	20	S E R	12	2008	5.584	09	33008	67
																CTD MAX. DEPTH = 600
Sensor IDs (initially & swap-outs)		Local Time (AKDT)		1		2										
SBE type and SN		911plus - Dyson		Pycnocline Depth= 24-26		Depth of FL max = ~10m		~1.4 m/s								
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		2885 and 3127 - Dyson														
FLUOR SN		759 - EMA														
O2 (SBE43) SN		904 and 910 - PMEL														
Transmiss SN		1066 - EMA														
PAR SN		70403 - EMA		41003 PMEL												
O2 SBE42SN		N/A		C16 used 150m bottle												
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	64			10		11		290		250		901		1		
2	50											902		2		
3	—											903		3		
4	40			12				290				904		4		
5	30			13				288				905		5		
6	20			14				290		250		906		6		
7	10			15				287		250		907		7		
8	0			16				291				908		8		
9												909		9		
10												910		10		
11												911		11		
12												912		12		

VESSEL Oscar Dyson		CRUISE ID DY12-08		PROJECT & LEG (if needed) BASIS leg 2		CTD File Name (No need if data is live feed)		STATION NO. 160											
CTD consec CAST #	LATITUDE	LONGITUDE	GMT DATE (note if not)	GMT Time	Temp (°C)	WET BTWB	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 DESIRED	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	Comments, or other samples		Nisk #					
1	75	.36		13				250				908		1					
2	50	-		18				250				909		2					
3	-			-				-				-		3					
4	40	19						250				910		4					
5	30	20						250				911		5					
6	20	21						250				912		6					
7	10	22						250				913		7					
8	0	23		200				250				914		8					
9												-		9					
10												-		10					
11												-		11					
12												-		12					

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. 165
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
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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	1	02	14.9	1.9	N	16.9	12.1	15.17	4.7	181	W
7	8	2	03	14.9	1.9	N	16.9	12.1	15.17	4.7	181	W
8	9	3	04	14.9	1.9	N	16.9	12.1	15.17	4.7	181	W
9	10	4	05	14.9	1.9	N	16.9	12.1	15.17	4.7	181	W
10	11	5	06	14.9	1.9	N	16.9	12.1	15.17	4.7	181	W
11	12	6	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. 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)	
1	2	85° 49' .98 N	168° 53'.30 W	21 SEP 12	13	14:44	14.2	10	10	10	10	10	
12	13	85° 49' .98 N	168° 53'.30 W	21 SEP 12	13	14:44	14.2	10	10	10	10	10	
Sensor IDs (initially & swap-outs)		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 = 64			
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											
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	Launch Date	End Date	Duration	Usage Rate	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	13 A		—							290		9	
10	—									290		10	
11	13 B									290		11	
12	13 C									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 dup 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) (F)	(C) (F)	(mb)	*	(deg) (kts)	*	(m)
130	57	46.09	N	16839.46	W	21	SEP	12	2029	5.47	74.1	326	11	72	
Sensor IDs (initially & swap-outs)															
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	74603 - EMA														
O2 SBE2SN	N/A														
COMMENT: Difficult conditions, factors that may affect measurements or aid processing															745
Depth of FL max = 126 m ~20.2 mb/m ²															745
Weather:															745
DME															745
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	68			89							918	1			
2	50			90							939	2			
3												3			
4	40			91							920	4			
5	30			92							928	5			
6	20			93							922	6			
7	10			94							923	7			
8	0			95	•41	291	287	250	250	924	MZ	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.	
CTD consec CAST #		LATITUDE	LONGITUDE	GMT DATE (note if not)		GMT Time	RH WET BTHB		PRESSURE		SEA STATE		WIND DIRN. SPD.	WIN D TYPE	BOTTO M DEPTH	STAN NAMEID	
DEG	MIN	DEG	MIN	DAY	MO	YR	HR	MIN	(°C)	(°C)	(mb)	*	(deg)	(kts)	(m)		
133	25	73	11.54	N	16	83	6.7	1	12	22	57	5	.4	78	10	346	
11																15	
12																73	
Sensor IDs (Initially & swap-outs)		Local Time (AKDT)		1		2											
SBE type and S/N		911plus - Dyson		PRESS SN		772 - Dyson		Pycnocline Depth =		25 - 28		Depth of FL max =		~ 20 m		~ 2.5 m	
TEMP 1&2 SNS		2376 and 4379 - Dyson		FLUOR SN		759 - EMA		Weather:									
COND 1&2 SNS		2985 and 3127 - Dyson		02 (SBE43) SN		904 and 910 - PMEL		COMMENT: Difficult conditions, factors that may affect measurements or aid processing									
Transmiss SN		1066 - EMA		PAR SN		Pluto/plankton in bongo samples (anomalous greenish glow).											
02 SBE42SN		NA															
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	169		• 142		103							992			1		
2	50		104				290					993			2		
3	40		105				290					994			3		
4	30		106				288					995			4		
5	20		107				290					996			5		
6	10		108				287					997			6		
7	0		109				291					998			7		
8															8		
9															9		
10															10		
11															11		
12															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 #		LATITUDE	LONGITUDE	GMT DATE	(note if not)	GMT Time	Temp (°C)	WET BULB	PRESSURE	SEA STATE	WIND DIRN.	WIN D SPD.	CLOUD (amt)	BOTTO M	STA NAME/ID
DEG	MIN	DEG	MIN	DAY	MO	YR	(°C)	(°C)	(mb)	*	deg)	(kts)	*	TYPE WEATHER	DEPTH (m)
13	45	30	06	16	7	59	.42	w	22	SEP	12	01	40	5.9	35920
11															
Sensor IDs (initially & swap-outs)		Local Time (AKDT)		1		2									
SBE type and SN		911plus - Dyson		Pycnocline Depth = 26-31		Depth of FL max = 425m 2.5 m/s									
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													
O2 (SBE43) SN		904 and 910 - PMEL													
Transmiss SN		1086 - EMA													
PAR SN		26468 - EMA		4603 PMEL											
O2 SBE42SN		N/A													
Nisk #	DEPTH DESIRED	Rosette Notes		Hydro Team-PMEL		Stacked GFF vol	Stacked GFF vol	Unstack GFF vol	Unstack GFF dup vol	Unstack >10 vol	Unstack >10 vol	POC 500 ml	Comments or other samples		Nisk #
1	67			117									1004		1
2	50			118									1003		2
3													1002		3
4	40			119									1008		4
5	30			120									1009		5
6	20			121									1010		6
7	10			122									1011		7
8	0			123									1012		8
9		OPERATOR ERROR 291		NO SAMPLE COM									1013		9
10		but included empty bottle with bathys											1014		10
11													1015		11
12													1016		12

VESSEL Oscar Dyson		CRUISE ID D-12-08		PROJECT & LEG (if needed) BASIS leg 2		CTD File Name (No need if data is live feed)		STATION NO. 181								
CTD consec CAST #		DEG	MIN	DEG	MIN	DATE DAY	GMT Time	Temp (°C)	RH WET BTHS	PRESSURE	SEA STATE	WIND DIRN.	WIN SPD	WIN D CLOUD (amt)	BOTTO M	STA. NAME/ID
14	15	57	19.04	N	166	19.84	W 23 SEP 12	04	28	4.5	74	05	3022	20	2000	
Sensor IDs (Initially & swap-outs)																
SBE type and S/N	911plus - 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	24000 FT															
02 SBE42SN	N/A															
COMMENT: Difficult conditions, factors that may affect measurements or aid processing																
Weather: Pycnocline Depth = 26-30																
Depth of FL max = CTD MAX. DEPTH = 66																
Nisk #	DEPTH	Rosette Notes	Hydro Team-PMEL	Slacked GFF + >10 vol	Slacked dup. vol	Unstack GFF	Unstack GFF dup. vol	Unstack >10 vol	Unstack >10 dup. vol	ROD 500 ml	Comments or other samples	Nisk #				
1	66		168	• 178							1055	1				
2	50		169			290					1056	2				
3	-		-			-					-	3				
4	40		130			290					1057	4				
5	30		126			298					1058	5				
6	20		122			290					1059	6				
7	10		123			287					1060	7				
8	0		121			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
Sensor IDs (initially & swap-outs)		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		COMMENT: Difficult conditions, factors that may affect measurements or aid processing											
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 Oscar Dyson		CRUISE ID DY12-08'	PROJECT & LEG (if needed) BASIS leg 2	CTD FileName (No need if data is live feed)	STATION NO. 184						
CTD consec CAST #		LATITUDE	LONGITUDE	GMT (note if not)	GMT DATE	Temp (°C) Time	RH % WET -BTWB	PRESSURE Sea.State	WIN D CLOUD (amt)	BOTTO M	STA NAME/ID
DEG	MIN	DEG	MIN	DAY	MO	YR	HR	Sea.State (°C)	(mb)	*	*
14	45	70 6.45 N	165 36.78 W	23	5	EP 12	09	4.	180.	08	3421
							1	12			
Sensor IDs (initially & swap-outs)		Local Time (AKDT)		Depth of FL max = < 29 m 3 mg/m³		CTD MAX. DEPTH = 62					
SBE type and S/N		911plus - Dyson		Pycnocline Depth= 27 - 31		Depth of FL max = < 29 m 3 mg/m³					
PRESS SN		772 - Dyson		Weather:							
TEMP 1 & SNS		2376 and 4379 - Dyson		COMMENT: Difficult conditions, factors that may affect measurements or aid processing							
COND 1&2 SNS		2985 and 3127 - Dyson		Conductivities diverged on descent around 53 meters. They didn't come back together.							
FLUOR SN		759 - EMA									
O2 (SBE43) SN		904 and 910 - PMEL									
Transmiss SN		1066 - EMA									
PAR SN		70103 - EMA									
O2 SBE43SN		N/A									
ROSETTE NOTES											
DEPTH		Hydro Team-PMEL		Stacked GFF + >10 vol		Stacked GFF dup vol		Unstack GFF vol		Unstack GFF dup vol	
Nisk #		Rosette Notes		SALT Bl		Nut Bl		Unstack GFF dup >10 vol		Unstack POC 500 ml	
DESIRED		• 48		3		4		290		1076	
1		62		• 48		4		-		1077	
2		50		-		-		-		3	
3		-		-		-		-		-	
4		40		5		290		1078		4	
5		30		6		290		1079		5	
6		20		7		290		1080		6	
7		10		8		290		1081		7	
8		D		9		290		1082		8	
9		-		-		-		-		9	
10		-		-		-		-		10	
11		-		-		-		-		11	
12		-		-		-		-		12	

VESSEL Oscar Dyson		CRUISE ID DY12-04		PROJECT & LEG (if needed) BASIS leg 2		CTD File Name (No need if data is live feed)		STATION NO.	186							
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									
146	56	51.26 N	16507.28 W	23	SEP	12	12	50	41	81	10	29415	24	24	22	
Sensor IDs (initially & swap-outs)				Local Time (AKDT)				Depth of FL max = ~29 m ~2.6 mg/m ³				CTD MAX. DEPTH = 22				
SBE type and S/N		91plus - Dyson		Pycnocline Depth = 29 - 34				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		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															
2	50					12										
3	-					18										
4	40					-										
5	30															
6	20					19										
7	10					20										
8	0					21										
9						22										
10						23										
11						287										
12						241										

VESSEL
Oscar Dyson

3

PROJECT & LEG (if needed)
BASIS leg 2

CTD FileName (No need if data is live feed)

d) STATION NO.
187

1

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
Sensor IDs (Initially & swap-outs)		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	Nisk #
1	30	39	40	41	42	43	1
2	50						2
3							3
4	40						4
5	30						5
6	20						6
7	10						7
8	0						8
9							9
10							10
11							11
12							12

VESSEL Oscar Dyson		CRUISE/PILOT		PROJECT & LEG (if needed)		CTD File Name (No need if data is live feed)		STATION NO.		
				BASIS leg 2				190		
CTD consec CAST #		DY12-08		GMT DATE	(note if not)	GMT Time	Temp (°C)	WIND DIR	BOTTO M DEPTH	
DEG	MIN	DEG	MIN	DAY	MO	YR	HR	SPD. (kts)	TYPE WEATHER	
150	56	51	11	N	16	03	06	05	WIND D CLOUDS (cm)	
150	56	51	11	N	16	03	06	05	SEA STATE VISIBILITY	
150	56	51	11	N	16	03	06	05	WAVE SPD. (kts)	
150	56	51	11	N	16	03	06	05	WEATHER	
150	56	51	11	N	16	03	06	05	WAVES HEIGHT (m)	
Sensor IDs (Initially & swap-outs)		Local Time (AKDT)		1	2					
SBE type and S/N		911plus - Dyson		Pycnocline Depth = 33 - 34		Depth of FL max = 635m				
PRESS SN	772 - Dyson	Weather:								
TEMP 1&2 SNS	2376 and 4376 - Dyson	COMMENT: Difficult conditions, factors that may affect measurements or aid processing								
COND 1&2 SNS	2985 and 3127 - Dyson	CTD 10F 2								
FLUOR SN	759 - EMA	30m								
O2 (SBE43) SN	904 and 910 - PMEL									
Transmiss SN	1066 - EMA									
PAR SN	EMMA - EMA									
O2 SBE43SN	N/A									
Nisk #	DEPTH DESIRED	REASON FOR DEPTH	DEPTHS	STICKER NUMBER	STICKER NUMBER	UNITS OF DEPTH	DEPTH OF STICKER	TIME OF STICKER	NOTE COMMENTS	Nisk #
1	68			46						1118
2	50			47						1119
3										3
4	40			48						
5	33 A									
6	33 B									
7	33 C									
8	30			49						
9	20			50						
10										
11	10			51						
12	0			432	52	0.294				
				299						

VESSEL Oscar Dyson		CRUISE ID		PROJECT & LEG (If needed)		CTD FileName (No need if data is live feed)		STATION NO. 192																																																																																																																																																		
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.																																																																																																																																																	
15 35	6 56	48 N	163 49.8 W	15	07	12 00 03	5.2	71	08																																																																																																																																																	
									71																																																																																																																																																	
Sensor IDs (Initially & swap-outs)		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 ³		CTD MAX. DEPTH = 63																																																																																																																																																		
PRESS SN	772 - Dyson			Weather:																																																																																																																																																						
TEMP 1 & 2 SNS	2376 and 4379 - Dyson																																																																																																																																																									
COND 1&2 SNS	2885 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																																																																																																																																																									
<table border="1"> <thead> <tr> <th rowspan="2">Nisk #</th> <th rowspan="2">DEPTH DESIRABLE</th> <th rowspan="2">DEPTH ACTUAL</th> <th rowspan="2">TIME ACTUAL</th> <th rowspan="2">TIME DESIRABLE</th> <th rowspan="2">TEMP ACTUAL</th> <th rowspan="2">TEMP DESIRABLE</th> <th rowspan="2">PRESS ACTUAL</th> <th rowspan="2">PRESS DESIRABLE</th> <th rowspan="2">WIND ACTUAL</th> <th rowspan="2">WIND DESIRABLE</th> </tr> <tr> <th>Comments</th> <th>Nisk #</th> </tr> </thead> <tbody> <tr><td>1</td><td>60</td><td>• 433</td><td>60</td><td></td><td></td><td></td><td></td><td></td><td></td><td>1132</td></tr> <tr><td>2</td><td>50</td><td></td><td>61</td><td></td><td></td><td></td><td></td><td></td><td></td><td>1133</td></tr> <tr><td>3</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>40</td><td></td><td>62</td><td></td><td></td><td></td><td></td><td></td><td></td><td>1134</td></tr> <tr><td>5</td><td>30</td><td></td><td>63</td><td></td><td></td><td></td><td></td><td></td><td></td><td>1135</td></tr> <tr><td>6</td><td>20</td><td></td><td>64</td><td></td><td></td><td></td><td></td><td></td><td></td><td>1136</td></tr> <tr><td>7</td><td>10</td><td></td><td>65</td><td></td><td></td><td></td><td></td><td></td><td></td><td>1137</td></tr> <tr><td>8</td><td>0</td><td></td><td>66 • 294</td><td></td><td></td><td></td><td></td><td></td><td></td><td>1138</td></tr> <tr><td>9</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>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>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>12</td></tr> </tbody> </table>										Nisk #	DEPTH DESIRABLE	DEPTH ACTUAL	TIME ACTUAL	TIME DESIRABLE	TEMP ACTUAL	TEMP DESIRABLE	PRESS ACTUAL	PRESS DESIRABLE	WIND ACTUAL	WIND DESIRABLE	Comments	Nisk #	1	60	• 433	60							1132	2	50		61							1133	3										3	4	40		62							1134	5	30		63							1135	6	20		64							1136	7	10		65							1137	8	0		66 • 294							1138	9										9	10										10	11										11	12										12
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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VESSEL Oscar Dyson		PROJECT & LEG (if needed)		CTD File Name (No need if data is live feed)		STATION NO.															
CTD consec CAST #		LATITUDE	LONGITUDE	GMT (note if not)	GMT Time	WIN D G WEATHER	BOTTO M DEPTH														
DEG	MIN	DEG	MIN	DAY	MO	YR	HR	MIN	Temp (°C)	DEPTH (m)											
15	5	56	30.58N	170	59	44	00	20	15.51	5.6											
Sensor IDs (Initially & swap-outs)										02	4										
SBE type and SN										3	47										
PRESS SN	772 - Dyson	Pycnocline Depth =																			
TEMP 142 SNs	2376 and 4370 - Dyson	Weather:																			
COND 142 SNs	2985 and 3127 - Dyson	COMMENT: Difficult conditions, factors that may affect measurements or aid processing																			
FLUOR SN	759 - EMA																				
O2 (SBE43) SN	904 and 910 - PMEL																				
Transmiss SN	1086 - EMA																				
PAR SN	70103 - EMA																				
O2 SBE42SN	N/A																				
DEPTH		SBE42		SBE43		SBE43		SBE43		SBE43											
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DEPTH		SBE42		SBE43		SBE43		SBE43		SBE43											
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DEPTH		SBE42		SBE43		SBE43		SBE43		SBE43											
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DEPTH		SBE42		SBE43		SBE43		SBE43		SBE43											
DEPTH		SBE42		SBE43		SBE43		SBE43		SBE43											
DEPTH		SBE42		SBE43		SBE43		SBE43		SBE43											
DEPTH																					

VESSEL Oscar Dyson		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	Temp (°C)	WIN D SPD. GND WTHR	BOTTO M DEPTH	STA S	TIME	STATE	WIND DIR	VEL (kts)	DEPT (m)	NAME
DEG	MIN	DEG	MIN	DAY	MO	YR	HR	MIN	(°C)	TIME	STATE	WIND DIR	VEL (kts)	DEPT (m)	NAME
163	58	30.40	N	170	59.	73	W	06	06	12	1536	S.1	16	84	CTD MAX DEPTH = 77
Sensor IDs (Initially & swap-outs)		Local Time (AKDT)		1		2		3		4		5		6	
SBE type and SN	911plus - Dyson	Pycnocline Depth=		Depth of FL max = 0 - 30 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		W/w Sample Net # 89 160745											
COND 1&2 SNS	2885 and 3127 - Dyson														
FLUOR SN	759 - EMA														
CO (SBE43) SN	804 and 910 - PMEL														
Transmiss SN	1086 - EMA														
PAR SN	70103 - EMA														
O2 SBE42SN	N/A														
Nisk #		Depth Design		Sample Type		Temp (°C)		Depth (cm)		TSS collected		Nisk #			
1	B6T	438	81	064								1			
2	60	82										2			
3	—	—	—									3			
4	50	83										4			
5	70	84										5			
6	30	85										6			
7	20	86										7			
8	10	87	534	516	287	090						8			
9	0	88										9			
10												10			
11												11			
12												12			

Stacked "B" did not fire last 6 times

VESSEL Oscar Dyson		PROJECT & LEG (if needed) SBE42/SIP Basis leg 3		CTD File Name (No need if data is live feed) CTD 164										STATION NO. 108	
CTD consec CAST #		DEG	MIN	DEG	MIN	DAY	MO	YR	HR	MIN	Temp (°C)	(°C)	WIND SPD. (kts)	WIN D SPD. (m/s)	BOTTO M DEPTH (m)
LATITUDE	LONGITUDE														
16 45 8	30.10 N	171 59.28 W	06	SCT	12	21	02	51.7					10	100	
												184	CTD MAX. DEPTH = 92		
Sensor IDs (Initially & swap-outs)															
PRESS SN	772 - Dyson	Local Time (AKDT)										Depth of FL max = Slight peak 28 m			
SBE type and SN	911plus - Dyson														
TEMP 1&2 SNs	2376 and 4379 - Dyson														
COND 1&2 SNs	2985 and 3127 - Dyson														
FLUOR SN	759 - EMA														
O2 (SBE42) SN	904 and 910 - PMEL														
Transmiss SN	1066 - EMA														
PAR SN	70103 - EMA														
O2 SBE42SN	N/A														
COMMENT: Difficult conditions, factors that may affect measurements or aid processing															
Weather:															
Pycnocline Depth=															

VESSEL Oscar Dyson		PROJECT & LEG (if needed) SBE42 leg		CTD FileName (No need if data is live feed)		STATION NO. 210	
CTD consec CAST #		2912-08		GMT DATE	(note if not)	GMT TIME	DEPTH M
DEG	MIN	DEG	MIN	DAY	MO	YR	HR
16	55	59	00	153	N	172	01
				172		12	04
				01		20	42
						04	44
							97
							16
							086
							03
							93
							93
Sensor IDs (Initially & swap-outs)		Local Time (AKDT)		Temp (°C)		VEL (cm/s)	BOTTO
SBE type and SN		911plus - Dyson				DIR	M
PRESS SN	772 - Dyson	Pycnocline Depth = 18.40 m (not shown)				STATE	STA.
TEMP 142 SNs	2378 and 4379 - Dyson					VELOCITY	DEPTH
COND 142 SNs	2885 and 3127 - Dyson					SPD.	DEPTH
FLUOR SN	759 - EMA						
02 (SBE42) SN	804 and 910 - PMEL						
Transmiss SN	1068 - EMA						
PAR SN	70103 - EMA						
02 SBE42SN	N/A						
COMMENT: Difficult conditions, factors that may affect measurements or aid processing							
CTD 2912-08, NUT#108, SALT#64, light							
Nisk #	DEPTH	TEMP	SPD	VEL	DIR	STATE	DEPTH
1	BOT 81	99					1
2	35	100					2
3	—	—					3
4	60	101					4
5	50	102					5
6	40	103					6
7	30	104					7
8	20	105					8
9	10	106					9
10	0	107					10
11							11
12							12

VESSEL Oscar Dyson		PROJECT & LEG (if needed)		CTD File Name (No need if data is live feed)		STATION NO. 213												
CTD consec CAST #	LATITUDE	LONGITUDE	GMT DATE	(note if not)	GMT Time	Temp (°C)	WIND SPD.	BOTTO M DEPTH										
DEG	MIN	DEG	MIN	DAY	MO	HR	DIR	SPD. (Kts)	DIR (m)									
166	59	19.79	N	172	61	117	W	67	021									
1	6	19.79				12		1539	2.9									
									17									
									80									
Sensor IDs (Initially & swap-outs)					Local Time (AKDT)		1	2	040									
SBE type and SN	911plus - Dyson				Depth of FL max = 28 m													
PRESS SN	772 - Dyson				Depth of FL max = 28 m													
TEMP 142 SNs	2378 and 3127 - Dyson				Depth of FL max = 28 m													
COND 142 SNs	2885 and 3127 - Dyson				Depth of FL max = 28 m													
FLUOR SN	759 - EMA				Depth of FL max = 28 m													
O2 (SBE43) SN	904 and 910 - PMEL				Depth of FL max = 28 m													
Transmiss. SN	1068 - EMA				Depth of FL max = 28 m													
PAR SN	70103 - EMA				Depth of FL max = 28 m													
O2 SBE42SN	N/A				Depth of FL max = 28 m													
Weather:																		
COMMENT: Difficult conditions, factors that may affect measurements or aid processing																		
W/W NW H 942 at 16:19:05																		

VESSEL
Oscar Dyson

PROJECT & LEG (if needed)

912

VESSEL Oscar Dyson		CRUISE ID DU12-08		PROJECT & LEG (if needed) BASIS leg 3				CTD File Name (No need if data is live feed)				STATION NO.			
CTD consec CAST #		DEG	MIN	DEG	MIN	DATE	(note if not)	GMT	Time	Temp (°C)	(°C)	WIND D SPD.	BOTTO M DEPTH	WIND D SPD.	BOTTO M DEPTH
		157	43	152	17	62		HR	MIN	(°C)	(°C)	(kts)	(m)		
1	1	157	43	152	17	62				6.5				170	
2															
3															
4															
5															
6															
7															
8															
9															
10															
11															
12															

Sensor IDs (initially & swap-outs)

SBE type and SN = 911plus - Dyson

PRESS SN 772 - Dyson

TEMP 142 SNS 2376 and 4379 - Dyson

COND 142 SNS 2885 and 3127 - Dyson

FLUOR SN 759 - EMA

O2 (SBE43) SN 904 and 910 - PAMEL

Tritonites SN 1086 - EMA

PAR SN 70103 - EMA

O2 SBE42SN N/A

Local Time (AKDT)

Pycnocline Depth =

Weather:

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

Depth of FL max =

CTD MAX. DEPTH = 160