

VESSEL NOAAS Oscar Dyson						CRUISE ID DY1408							PROJECT & LEG BASIS Fall 2014, Leg 3									CLAMS HAUL # 251						STATION NO. 127				
CONSC CAST #		LATITUDE			LONGITUDE			DATE			TIME (GMT)		DRY BULB		Relative Humidity		PRESSURE	SEA STATE	VISIBILITY	WIND DIRN.	WIND SPD.	CLOUD (amt)	TYPE	WEATHER	BOTTOM DEPTH	STA. NAME/ID						
		DEG MIN			DEG MIN			DAY MO YR			HR MIN		(°C) (°C)		(mb)	*	*	(deg)	(kts)	* * *	(m)											
070		5639.89 N			16351.99 W			21 SEP 14			1726		9.8070		07			003	21					76	MZS							
SBE 9+						FLUOR S/N	2057					REMARKS																	MAX. DEPTH = 72 m			
PRESS SN	0291					SBE43-Oxy (prime)	0984					TRANS. ADDED FOR LEG 3																				
PRI TEMP SN	2376					SBE43-Oxy (sec)	1961					OVERCAST																				
SEC TEMP SN	4379					Transmissometer	with Oyster 676					8 - 5L Bottles with silicone rubberbands installed on Rosette																				
PRI COND SN	2985					PAR S/N	4603																									
SEC COND SN	3127					TURB-FUNTURT-D-2057																										
Nis No.	DEPTH DESIRED	Rosette Notes	Hydro Team-PMEL					vol (ml)									Comments			Nis No.												
No.			SALT	Nut.Btl	O2-Btl.No				Chloro-I	>10	dup																					
1	BTM	x 6		519	279															1												
2	50			520					281											2												
3	40			521					288											3												
4	30			522					285											4												
5	20			523					281											5												
6	10			524					283											6												
7	0			525					283											7												
8																				8												
9																				9												
10																				10												
11																				11												
12																				12												

VESSEL NOAAS Oscar Dyson				CRUISE ID DY1408				PROJECT & LEG BASIS Fall 2014, Leg 3				CLAMS HAUL #254				STATION NO. 128						
CONSC CAST #	LATITUDE		LONGITUDE		DATE			TIME (GMT)		DRY BULB	Relative Humidity	PRESSURE	SEA STATE	VISIBILITY	WIND DIRN.	WIND SPD.	CLOUD (amt)	TYPE	WEATHER	BOTTOM DEPTH	STA. NAME/ID	
	DEG	MIN	DEG	MIN	DAY	MO	YR	HR	MIN	(°C)	(%)	(mb)	*	*	(deg)	(kts)	*	*	*	(m)		
071	56	53.21	N	164	03.41	W	21	S	E	P	1	4	20	13	9.6	77.	08			356	18	7170M2/M2
SBE 9+		FLUOR S/N		REMARKS 1 of 2 M2 CASTS - MODIFIED CAL CAST MAX. DEPTH = 68 m																		
PRESS SN		SBE43-Oxy (prime)																				
PRI TEMP SN		SBE43-Oxy (sec)																				
SEC TEMP SN		Transmissometer																				
PRI COND SN		PAR S/N																				
SEC COND SN																						
Nis	DEPTH	Rosette Notes		Hydro Team-PMEL							NOTES		Comments		Nis							
No.	DESIRED			SALT	Nut.Btl	O2-Btl.No		Chloro-I	>10	dup	chlor				No.							
1	24							283			A		triplicates for eco-floor		1							
2	24							283			B				2							
3	24							281			C				3							
4	13							285			A				4							
5	13							288			B		triplicates for eco-floor		5							
6	13							281			C				6							
7															7							
8															8							
9															9							
10															10							
11															11							
12															12							

VESSEL NOAAS Oscar Dyson				CRUISE ID DY1408				PROJECT & LEG BASIS Fall 2014, Leg 3				CLAMS HAUL # <u>255</u>				STATION NO. <u>128</u>									
CONSC CAST #	LATITUDE			LONGITUDE			DATE			TIME (GMT)		DRY BULB	Relative Humidity	PRESSURE	SEA STATE	VISIBILITY	WIND DIRN.	WIND SPD.	CLOUD (amt)	TYPE	WEATHER	BOTTOM DEPTH	STA. NAME/ID		
	DEG	MIN		DEG	MIN		DAY	MO	YR	HR	MIN	(°C)	(%)	(mb)	*	*	(deg)	(kts)	*	*		(m)			
072	56	53.14	N	164	03.57	W	21	S	E	P	14	2036	9.577	08			004	18				7170121M2			
SBE 9+				FLUOR S/N				REMARKS 2 of 2 M2 MOORING CAL CASIS PP expt w/ NO3 + C - SOME NOT BOTTLES NOT LABELED ON 4IDS in marker MAX. DEPTH = 666 m										PRESS SN				SBE43-Oxy (prime)			
PRI TEMP SN				SBE43-Oxy (sec)																					
SEC TEMP SN				Transmissometer																					
PRI COND SN				PAR S/N																					
SEC COND SN																									
Nis	DEPTH	Rosette Notes		Hydro Team-PMEL				Chloro-I		stacked		PP	Comments		Nis										
No.	DESIRED			SALT	Nut.Btl	O2-Btl.No		>10	dup		Bottle			No.											
1	BTM			x 7	526	v280				For EMA			1												
2	61				527 528 529							not. triplicate for KUS	2												
3	50				530			281	250				3												
4	40				531			288	250 ml bottle		A4, B4 4-DARK		4												
5	30				532			285	250		A3, B3 3-DARK		5												
6	20				533			281	250		A2, B2 2-DARK		6												
7	10				534			283	250		A1, B1 1-DARK		7												
8	0				535 536 537			283	250		A0, B0 0-DARK	not. triplicate for KUS (1M)	8												
9													9												
10													10												
11													11												
12													12												

Start time incubation = 2134 UTC, End time =

VESSEL				CRUISE ID				PROJECT & LEG				CLAMS HAUL #				STATION NO.								
NOAAS Oscar Dyson				DY1408				BASIS Fall 2014, Leg 3				#256				129								
CONSC CAST #		LATITUDE		LONGITUDE		DATE			TIME (GMT)		DRY BULB	Relative Humidity	PRESSURE	SEA STATE	VISIBILITY	WIND DIRN.	WIND SPD.	CLOUD (amt)	TYPE	WEATHER	BOTTOM DEPTH	STA. NAME/ID		
		DEG	MIN	DEG	MIN	DAY	MO	YR	HR	MIN	(°C)	(%)	(mb)	*	*	(deg)	(kts)	*	*	*	(m)			
073		56	56.49	N	163	49.94	W	21	S	E	P	1	4	22	56	9.4	82.	08			007	20	69	MZE
SBE 9+				FLUOR S/N																				
PRESS SN				SBE43-Oxy (prime)																				
PRI TEMP SN				SBE43-Oxy (sec)																				
SEC TEMP SN				Transmissometer																				
PRI COND SN				PAR S/N																				
SEC COND SN																								
Nis	DEPTH	Rosette Notes		Hydro Team-PMEL										Comments			Nis							
No.	DESIRED			SALT	Nut.Btl	O2-Btl.No				Chloro-I	>10	dup				No.								
1	Bot				538											1								
2	50				539					281						2								
3	40				540					288						3								
4	30				541					285						4								
5	20				542					281						5								
6	10				543					283						6								
7	0			8	544	281				283						7								
8																8								
9																9								
10																10								
11																11								
12																12								

VESSEL				CRUISE ID				PROJECT & LEG				CLAMS HAUL #				STATION NO.							
NOAAS Oscar Dyson				DY1408				BASIS Fall 2014, Leg 3				258				130							
CONSC CAST #		LATITUDE		LONGITUDE		DATE			TIME (GMT)		DRY BULB	Relative Humidity	PRESSURE	SEA STATE	VISIBILITY	WIND DIRN.	WIND SPD.	CLOUD (amt)	TYPE	WEATHER	BOTTOM DEPTH	STA. NAME/ID	
		DEG	MIN	DEG	MIN	DAY	MO	YR	HR	MIN	(°C)	(%)	(mb)	*	*	(deg)	(kts)	*	*	*	(m)		
074		57	01.14	N	164	12.86	W	22	S	E	P	1	4	00	46	9.3	77.	08	3	03	01	9	69 MZN
SBE 9+				FLUOR S/N		REMARKS																MAX. DEPTH = 63 m	
PRESS SN				SBE43-Oxy (prime)		Mostly sunny																	
PRI TEMP SN				SBE43-Oxy (sec)																			
SEC TEMP SN				Transmissometer																			
PRI COND SN				PAR S/N																			
SEC COND SN																							
Nis	DEPTH	Rosette Notes		Hydro Team-PMEL											Comments		Nis						
No.	DESIRED			SALT	Nut.Btl	O2-Btl.No				Chloro-I	>10	dup					No.						
1	BTM				545	282											1						
2	50				546					x 281							2						
3	40				547					x 288							3						
4	30				548					x 285							4						
5	20				549					x 281							5						
6	10				550					x 283							6						
7	0				551					x 283							7						
8																	8						
9																	9						
10																	10						
11																	11						
12																	12						

VESSEL NOAAS Oscar Dyson		CRUISE ID DY1408		PROJECT & LEG BASIS Fall 2014, Leg 3		CLAMS HAUL # 260		STATION NO. 131													
CONSC CAST #	LATITUDE		LONGITUDE		DATE		TIME (GMT)	DRY BULB	Relative Humidity	PRESSURE	SEA STATE	VISIBILITY	WIND DIRN.	WIND SPD.	CLOUD (amt)	TYPE	WEATHER	BOTTOM DEPTH	STA. NAME/ID		
	DEG	MIN	DEG	MIN	DAY	MO	YR	HR	MIN	(°C)	(mb)	*	(deg)	(kts)	*	*		(m)			
075	56	46.24	N	164	19.83	W	22	S	E	P	1	4	02	46	9.874	06		018	18	74	M2W
SBE 9+ _____ FLUOR S/N _____ PRESS SN _____ SBE43-Oxy (prime) _____ PRI TEMP SN _____ SBE43-Oxy (sec) _____ SEC TEMP SN _____ Transmissometer _____ PRI COND SN _____ PAR S/N _____ SEC COND SN _____										REMARKS NOT BOTTLES ORIGINALLY LABELED with CTD074 numbers- labels are correct, numbering was rewritten but wet bottles made this difficult lots of zooplankton in 505 + 333										MAX. DEPTH = 70 m	
Nis	DEPTH	Rosette Notes		Hydro Team-PMEL										Comments			Nis				
No.	DESIRED			SALT	Nut.Btl	O2-Btl.No				Chloro-I	>10	dup					No.				
1	BTM			x9	552												1				
2	50				553					x281							2				
3	40				554					x288							3				
4	30				555					x285			in interface (thermocline)				4				
5	20				556					x281							5				
6	10				557					x283							6				
7	0				558	x-283				x283							7				
8																	8				
9		* INLINE								* INLINE							9				
10																	10				
11																	11				
12																	12				

$T_{\text{E-SFC}} = 11^{\circ}\text{C}$, $T_{\text{@BTM}} = 4^{\circ}\text{C}$

VESSEL				CRUISE ID				PROJECT & LEG				CLAMS HAUL #				STATION NO.							
NOAAS Oscar Dyson				DY1408				BASIS Fall 2014, Leg 3				262				132							
CONSC CAST #		LATITUDE		LONGITUDE		DATE			TIME (GMT)		DRY BULB	Relative Humidity	PRESSURE	SEA STATE	VISIBILITY	WIND DIRN.	WIND SPD.	CLOUD (amt)	TYPE	WEATHER	BOTTOM DEPTH	STA. NAME/ID	
		DEG	MIN	DEG	MIN	DAY	MO	YR	HR	MIN	(°C)	(%)	(mb)	*	*	(deg)	(kts)	*	*	*	(m)		
076		56	48	16	43	22	8	2014	04	13	9.3	69	06			024	15				74	70M3	
SBE 9+				FLUOR S/N		REMARKS																MAX. DEPTH = 70 m	
PRESS SN				SBE43-Oxy (prime)																			
PRI TEMP SN				SBE43-Oxy (sec)																			
SEC TEMP SN				Transmissometer																			
PRI COND SN				PAR S/N																			
SEC COND SN																							
Nis No.	DEPTH	Rosette Notes		Hydro Team-PMEL				Chloro-I			>10	dup	Comments										Nis No.
	DESIRED			SALT	Nut.Btl	O2-Btl.No																	
1	BTM				559	x284																	1
2	50				560						x281												2
3	40				561						x288												3
4	30				562						x285												4
5	20				563						x281												5
6	10				564						x283												6
7	0				565						x283												7
8																							8
9																							9
10																							10
11																							11
12																							12

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VESSEL NOAAS Oscar Dyson						CRUISE ID DY1408						PROJECT & LEG BASIS Fall 2014, Leg 3						CLAMS HAUL # <u>265</u>						STATION NO. <u>134</u>					
CONSC CAST #		LATITUDE				LONGITUDE				DATE			TIME (GMT)		DRY BULB		Relative Humidity		PRESSURE	SEA STATE	VISIBILITY	WIND DIRN.	WIND SPD.	CLOUD (amt)	TYPE	WEATHER	BOTTOM DEPTH	STA. NAME/ID	
		DEG	MIN			DEG	MIN			DAY	MO	YR	HR	MIN	(°C)	(°C)	(mb)	*	*	(deg)	(kts)	*	*	*		(m)			
078		56	51.25 N			165	07.20 W			22	S	E	P	1	4	0709	09.1	74	08			4	14			74	70M5		
SBE 9+						FLUOR S/N				REMARKS 																MAX. DEPTH = <u>68</u> m			
PRESS SN						SBE43-Oxy (prime)																							
PRI TEMP SN						SBE43-Oxy (sec)																							
SEC TEMP SN						Transmissometer																							
PRI COND SN						PAR S/N																							
SEC COND SN																													
Nis No.	DEPTH DESIRED	Rosette Notes		Hydro Team-PMEL						Chloro-I			>10	dup	Comments										Nis No.				
				SALT	Nut.Btl	O2-Btl.No																							
1	15M				573	x286																			1				
2	50				574					x281															2				
3	40				575					x288															3				
4	30				576					x285															4				
5	20				577					x281															5				
6	10				578					x283															6				
7	0				579					x283															7				
8																									8				
9																									9				
10																									10				
11																									11				
12																									12				

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VESSEL						CRUISE ID							PROJECT & LEG								CLAMS HAUL #									STATION NO.					
NOAAS Oscar Dyson						DY1408							BASIS Fall 2014, Leg 3																	138					
CONSC CAST #		LATITUDE				LONGITUDE				DATE			TIME (GMT)		DRY BULB		Relative Humidity		PRESSURE	SEA STATE	VISIBILITY	WIND DIRN.	WIND SPD.	CLOUD (amt)	TYPE	WEATHER	BOTTOM DEPTH	STA. NAME/ID							
		DEG	MIN			DEG	MIN		DAY	MO	YR	HR	MIN	(°C)	(°C)	(mb)	*	*	(deg)	(kts)	*	*	*	*	*	(m)									
0825718.93 N						16600.82 W			22	S	E	P	14	1229	9.373	.09			023	12						6970 m									
SBE 9+						FLUOR S/N				REMARKS 																		MAX. DEPTH = 65 m							
PRESS SN						SBE43-Oxy (prime)																													
PRI TEMP SN						SBE43-Oxy (sec)																													
SEC TEMP SN						Transmissometer																													
PRI COND SN						PAR S/N																													
SEC COND SN																																			
Nis No.	DEPTH DESIRED	Rosette Notes	Hydro Team-PMEL					Chloro-I	>10	dup	Comments															Nis No.									
			SALT	Nut.Btl	O2-Btl.No																														
1	13TM			601	290																					1									
2	50			602				281																		2									
3	40			603				288																		3									
4	30			604				285																		4									
5	20			605				281																		5									
6	10			606				283																		6									
7	0			607				283																		7									
8																										8									
9																										9									
10																										10									
11																										11									
12																										12									

[illegible]

VESSEL			CRUISE ID			PROJECT & LEG			CLAMS HAUL #			STATION NO.												
NOAAS Oscar Dyson			DY1408			BASIS Fall 2014, Leg 3			274			140												
CONSC CAST #	LATITUDE		LONGITUDE		DATE			TIME (GMT)		DRY BULB	Relative Humidity	PRESSURE	SEA STATE	VISIBILITY	WIND DIRN.	WIND SPD.	CLOUD (amt)	TYPE	WEATHER	BOTTOM DEPTH	STA. NAME/ID			
	DEG	MIN	DEG	MIN	DAY	MO	YR	HR	MIN	(°C)	(°C)	(mb)	*	*	(deg)	(kts)	*	*	*	(m)				
084	57	26.00	N	166	30.35	W	22	S	E	P	1	4	14	59	9.1	79.	10			350	07	6970M1		
SBE 9+ _____ FLUOR S/N _____																					REMARKS		MAX. DEPTH = 65 m	
PRESS SN _____ SBE43-Oxy (prime) _____																								
PRI TEMP SN _____ SBE43-Oxy (sec) _____																								
SEC TEMP SN _____ Transmissometer _____																								
PRI COND SN _____ PAR S/N _____																								
SEC COND SN _____																								
Nis	DEPTH	Rosette Notes					Hydro Team-PMEL									Comments			Nis					
No.	DESIRED						SALT	Nut Btl	O2-Btl.No				Chloro-I	>10	dup				No.					
1	BTM							615	292										1					
2	50							616					281						2					
3	40							617					288						3					
4	30							618					285						4					
5	20							619					281						5					
6	10							620					283						6					
7	0							621					283						7					
8																			8					
9																			9					
10																			10					
11																			11					
12																			12					

VESSEL NOAAS Oscar Dyson				CRUISE ID DY1408				PROJECT & LEG BASIS Fall 2014, Leg 3				CLAMS HAUL # 276				STATION NO. 141										
CONSC CAST #		LATITUDE			LONGITUDE			DATE			TIME (GMT)		DRY BULB	Relative Humidity	PRESSURE	SEA STATE	VISIBILITY	WIND DIRN.	WIND SPD.	CLOUD (amt)	TYPE	WEATHER	BOTTOM DEPTH		STA. NAME/ID	
		DEG	MIN		DEG	MIN		DAY	MO	YR	HR	MIN	(°C)	(°C)	(mb)	•	•	(deg)	(kts)	•	•	•	(m)			
085		57	25.76		N	16648.52		W	22	S	E	P	1	4	1627	8.8	81.	11					35	705	7070m12	
SBE 9+ _____				FLUOR S/N _____				REMARKS _____ MAX. DEPTH = 66 m																		
PRESS SN _____				SBE43-Oxy (prime) _____																						
PRI TEMP SN _____				SBE43-Oxy (sec) _____																						
SEC TEMP SN _____				Transmissometer _____																						
PRI COND SN _____				PAR S/N _____																						
SEC COND SN _____																										
Nis	DEPTH	Rosette Notes			Hydro Team-PMEL													Comments			Nis					
No.	DESIRED				SALT	Nut.Btl	O2-Btl.No				Chloro-I	>10	dup							No.						
1	BTM					622														1						
2	50					623					281									2						
3	40					624					288									3						
4	30					625					285									4						
5	20					626					281									5						
6	10					627					283									6						
7	0				14	628	293				283									7						
8																				8						
9																				9						
10																				10						
11																				11						
12																				12						

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VESSEL						CRUISE ID						PROJECT & LEG						CLAMS HAUL #						STATION NO.					
NOAAS Oscar Dyson						DY1408						BASIS Fall 2014, Leg 3						279						143					
CONSC CAST #			LATITUDE			LONGITUDE			DATE			TIME (GMT)		DRY BULB		Relative Humidity		PRESSURE	SEA STATE	VISIBILITY	WIND DIRN.		WIND SPD.		CLOUD (amt)	TYPE	WEATHER	BOTTOM DEPTH	STA. NAME/ID
			DEG	MIN		DEG	MIN		DAY	MO	YR	HR	MIN	(°C)	(°C)	(mb)	*	*	(deg)	(kts)	*	*	*	(m)					
08757			29	.93	N	167	20	.65	W	22	S	E	P	1	4	19	03	9.7	80	.	13		018	0.5				7170	m14
SBE 9+						FLUOR S/N																				MAX. DEPTH = 67 m			
PRESS SN						SBE43-Oxy (prime)																							
PRI TEMP SN						SBE43-Oxy (sec)																							
SEC TEMP SN						Transmissometer																							
PRI COND SN						PAR S/N																							
SEC COND SN																													
Nis No.		DEPTH	Rosette Notes				Hydro Team-PMEL				Chloro-I			>10	dup					Comments		Nis No.							
		DESIRED					SALT	Nut.Btl	O2-Btl.No																				
1		BTM					15	636														1							
2		50						637					281									2							
3		40						638					288									3							
4		30						639					285									4							
5		20						640					138									5							
6		10						641					132									6							
7		0						642	37				139									7							
8																						8							
9																						9							
10																						10							
11																						11							
12																						12							

[illegible]

[illegible]

VESSEL NOAAS Oscar Dyson		CRUISE ID DY1408		PROJECT & LEG BASIS Fall 2014, Leg 3		CLAMS HAUL # <u>283</u>		STATION NO. <u>146</u>								
CONSC CAST #	LATITUDE	LONGITUDE	DATE	TIME (GMT)	DRY BULB	Relative Humidity	PRESSURE	SEA STATE	VISIBILITY	WIND DIRN.	WIND SPD.	CLOUD (amt)	TYPE	WEATHER	BOTTOM DEPTH	STA. NAME/ID
	DEG MIN	DEG MIN	DAY MO YR	HR MIN	(°C)	(%)	(mb)	*	*	(deg)	(kts)	*	*	*	(m)	
0905731.07	N	16818.25	W 22 SEP 14	2302	9.8	73	14			203	7.5				7170M17	
MAX. DEPTH = <u>65</u> m																
SBE 9+		FLUOR S/N		REMARKS - GREENISH TINT TO WATER (Coastal Anchores?) - SEAL RUP IN WATER NOAR STD (prior to deployment) - SALINITY spike on upcast ~ 19m												
PRESS SN		SBE43-Oxy (prime)														
PRI TEMP SN		SBE43-Oxy (sec)														
SEC TEMP SN		Transmissometer														
PRI COND SN		PAR S/N														
SEC COND SN																
Nis	DEPTH	Rosette Notes	Hydro Team-PMEL			Chloro-I	>10	dup	Comments				Nis			
No.	DESIRED		SALT	Nut.Btl	O2-Btl.No								No.			
1	BTM			657	x 118								1			
2	50			658		x 281			MISSED 40m - had to go down again ~ 5m				2			
3	40			659		x 285							3			
4	30			660		x 285							4			
5	20			661		x 135							5			
6	10			662		x 132							6			
7	0			663		x 139							7			
8													8			
9													9			
10													10			
11													11			
12													12			

[illegible]

[illegible]

VESSEL		CRUISE ID		PROJECT & LEG		CLAMS HAUL #		STATION NO.									
NOAAS Oscar Dyson		DY1408		BASIS Fall 2014, Leg 3		288		149									
CONSC CAST #	LATITUDE	LONGITUDE	DATE	TIME (GMT)	DRY BULB	Relative Humidity	PRESSURE	SEA STATE	VISIBILITY	WIND DIRN.	WIND SPD.	CLOUD (amt)	TYPE	WEATHER	BOTTOM DEPTH	STA. NAME/ID	
	DEG MIN	DEG MIN	DAY MO YR	HR MIN	(°C)	(°C)	(mb)	*	*	(deg)	(kts)	*	*	*	(m)		
093	57 46.16 N	168 27.70 W	23 SEP 14	0423	9.6	77.	12			195	11				72	M4E	
															MAX. DEPTH =	68 m	
SBE 9+		FLUOR S/N		REMARKS - large diff in O ₂ sensors - sal spike on downcast, without see - 2nd sal, jellyfish above 20m on upcast													
PRESS SN		SBE43-Oxy (prime)															
PRI TEMP SN		SBE43-Oxy (sec)															
SEC TEMP SN		Transmissometer															
PRI COND SN		PAR S/N															
SEC COND SN																	
Nis	DEPTH	Rosette Notes	Hydro Team-PMEL			Chloro-I	>10	dup	Comments					Nis			
No.	DESIRED		SALT	Nut.Btl	O2-Btl.No									No.			
1	BTM			678										1			
2	50			679			x281							2			
3	40			680			x288							3			
4	30			681			x285							4			
5	20			682			x138							5			
6	10			683			x132							6			
7	0		x18	684	x165		x139							7			
8														8			
9														9			
10														10			
11														11			
12														12			

[illegible]

VESSEL				CRUISE ID				PROJECT & LEG				CLAMS HAUL #								STATION NO.					
NOAAS Oscar Dyson				DY1408				BASIS Fall 2014, Leg 3				291								150					
CONSC CAST #		LATITUDE		LONGITUDE		DATE		TIME (GMT)		DRY BULB		Relative Humidity		PRESSURE	SEA STATE	VISIBILITY	WIND DIRN.	WIND SPD.	CLOUD (amt)	TYPE	WEATHER	BOTTOM DEPTH	STA. NAME/ID		
		DEG	MIN	DEG	MIN	DAY	MO	YR	HR	MIN	(°C)	(°C)	(mb)	*	*	(deg)	(kts)	*	*	*	(m)				
0955749.75		N		16852.73	W	23	S	E	P	1	4	0652	9.379	12			192	12				71	FAMZ/MH		
																							MAX. DEPTH = ^67 m		
SBE 9+				FLUOR S/N				REMARKS 1 of 2 - cal cast - O2 sensors still have small offset - boat moving (swells) n downcast @ top - two layer system above thermocline - MOA h+Q SFC																	
PRESS SN				SBE43-Oxy (prime)																					
PRI TEMP SN				SBE43-Oxy (sec)																					
SEC TEMP SN				Transmissometer																					
PRI COND SN				PAR S/N																					
SEC COND SN																									
Nis No.	DEPTH DESIRED	Rosette Notes	Hydro Team-PMEL				Chloro-I	>10	dup	Comments													Nis No.		
			SALT	Nut.Btl	O2-Btl.No																				
1	13						x 139				A	↑													1
2	13						x 132				B	floor-cal													2
3	13						x 138				C	↓													3
4																									4
5																									5
6																									6
7																									7
8																									8
9																									9
10																									10
11																									11
12																									12

VESSEL NOAAS Oscar Dyson				CRUISE ID DY1408				PROJECT & LEG BASIS Fall 2014, Leg 3				CLAMS HAUL # 292				STATION NO. 150								
CONSC CAST #		LATITUDE		LONGITUDE		DATE			TIME (GMT)		DRY BULB	Relative Humidity	PRESSURE	SEA STATE	VISIBILITY	WIND DIRN.	WIND SPD.	CLOUD (amt)	TYPE	WEATHER	BOTTOM DEPTH	STA. NAME/ID		
		DEG	MIN	DEG	MIN	DAY	MO	YR	HR	MIN	(°C)	(%)	(mb)	*	*	(deg)	(kts)	*	*	*	(m)			
096		57	49.77	N	168	52.33	W	23	S	E	P	1	4	0	7	09	9.3	80.	12			72	70M21M	
SBE 9+				FLUOR S/N				REMARKS 2 of 2 casts - STD CAST not labels skip #'s 690-719 trans in leg 10m < 30% "Agua" WATER															MAX. DEPTH = 66 m	
PRESS SN				SBE43-Oxy (prime)																				
PRI TEMP SN				SBE43-Oxy (sec)																				
SEC TEMP SN				Transmissometer																				
PRI COND SN				PAR S/N																				
SEC COND SN																								
Nis	DEPTH	Rosette Notes		Hydro Team-PMEL													Comments			Nis				
No.	DESIRED			SALT	Nut.Btl	O2-Btl.No				Chloro-I	>10	dup							No.					
1	BTM				685	x 172													1					
2	50				686					x 281									2					
3	40				687					x 288									3					
4	30				688					x 285									4					
5	20				689					x 138									5					
6	10				720					x 132									6					
7	0				721					x 139									7					
8																			8					
9																			9					
10																			10					
11																			11					
12																			12					

VESSEL				CRUISE ID				PROJECT & LEG				CLAMS HAUL #				STATION NO.									
NOAAS Oscar Dyson				DY1408				BASIS Fall 2014, Leg 3				293				151									
CONSC CAST #	LATITUDE			LONGITUDE			DATE			TIME (GMT)		DRY BULB	Relative Humidity	PRESSURE	SEA STATE	VISIBILITY	WIND DIRN.	WIND SPD.	CLOUD (amt)	TYPE	WEATHER	BOTTOM DEPTH	STA. NAME/ID		
	DEG	MIN		DEG	MIN		DAY	MO	YR	HR	MIN	(°C)	(°C)	(mb)	*	*	(deg)	(kts)	*	*	*	(m)			
097	58	03	N	168	43	W	22	S	E	P	1	4	0952	9.380	113			185	12			7070m	4N		
																							MAX. DEPTH =	65	m
SBE 9+				FLUOR S/N				REMARKS dark dry																	
PRESS SN				SBE43-Oxy (prime)																					
PRI TEMP SN				SBE43-Oxy (sec)																					
SEC TEMP SN				Transmissometer																					
PRI COND SN				PAR S/N																					
SEC COND SN																									
Nis	DEPTH	Rosette Notes		Hydro Team-PMEL											Comments		Nis								
No.	DESIRED			SALT	Nut.Btl	O2-Btl.No				Chloro-I	>10	dup					No.								
1	BTM			19	722												1								
2	50				723	1				281							2								
3	40				724					288							3								
4	30				725					285							4								
5	20				726					138							5								
6	10				727					132							6								
7	0				728	197				139							7								
8																	8								
9																	9								
10																	10								
11																	11								
12																	12								

VESSEL NOAAS Oscar Dyson		CRUISE ID DY1408		PROJECT & LEG BASIS Fall 2014, Leg 3		CLAMS HAUL # <u>295</u>		STATION NO. <u>152</u>														
CONSC CAST #	LATITUDE		LONGITUDE		DATE		TIME (GMT)	DRY BULB	Relative Humidity	PRESSURE	SEA STATE	VISIBILITY	WIND DIRN.	WIND SPD.	CLOUD (amt)	TYPE	WEATHER	BOTTOM DEPTH	STA. NAME/ID			
	DEG	MIN	DEG	MIN	DAY	MO	YR	HR	MIN	(°C)	(mb)	*	*	(deg)	(kts)	*	*	(m)				
098	57	55.91	N	169	19.29	W	23	S	E	P	1	4	12	15	8.9	93.	12			66	M4-W	
SBE 9+ PRESS SN PRI TEMP SN SEC TEMP SN PRI COND SN SEC COND SN FLUOR S/N SBE43-Oxy (prime) SBE43-Oxy (sec) Transmissometer PAR S/N																			REMARKS		MAX. DEPTH = <u>63</u> m	
Nis	DEPTH	Rosette Notes		Hydro Team-PMEL									Comments			Nis						
No.	DESIRED			SALT	Nut.Btl	O2-Btl.No				Chloro-I	>10	dup				No.						
1	BTM				729	175										1						
2	50				730					281						2						
3	40				731					288						3						
4	30				732					285						4						
5	20				733					138						5						
6	10				734					132						6						
7	0				735					139						7						
8																8						
9																9						
10																10						
11																11						
12																12						

VESSEL NOAAS Oscar Dyson				CRUISE ID DY1408				PROJECT & LEG BASIS Fall 2014, Leg 3				CLAMS HAUL # <u>297</u>				STATION NO. <u>153</u>									
CONSC CAST #	LATITUDE			LONGITUDE			DATE			TIME (GMT)		DRY BULB	Relative Humidity	PRESSURE	SEA STATE	VISIBILITY	WIND DIRN.	WIND SPD.	CLOUD (amt)	TYPE	WEATHER	BOTTOM DEPTH	STA. NAME/ID		
	DEG	MIN		DEG	MIN		DAY	MO	YR	HR	MIN	(°C)	(°C)	(mb)	*	*	(deg)	(kts)	*	*	*	(m)			
	099	57	54.80 N	169	29.34 W		23	S	E	P	1	4	13	18	9.0	95.	13						6970M23		
SBE 9+ PRESS SN PRI TEMP SN SEC TEMP SN PRI COND SN SEC COND SN FLUOR S/N SBE43-Oxy (prime) SBE43-Oxy (sec) Transmissometer PAR S/N																						REMARKS <u>Dry, Smooth Sealing</u>		MAX. DEPTH = <u>65</u> m	
Nis No.	DEPTH	Rosette Notes		Hydro Team-PMEL				Chloro-I			>10	dup	Comments				Nis No.								
	DESIRED			SALT	Nut.Btl	O2-Btl.No																			
1	BTM				736												1								
2	50				737					281							2								
3	40				738					288							3								
4	30				739					285							4								
5	20				740					138							5								
6	10				741					132							6								
7	0			20	742	215				139							7								
8																	8								
9																	9								
10																	10								
11																	11								
12																	12								

[illegible]

VESSEL				CRUISE ID				PROJECT & LEG				CLAMS HAUL #				STATION NO.																						
NOAAS Oscar Dyson				DY1408				BASIS Fall 2014, Leg 3				300				155																						
CONSC CAST #	LATITUDE			LONGITUDE			DATE			TIME (GMT)		DRY BULB	Relative Humidity	PRESSURE	SEA STATE	VISIBILITY	WIND DIRN.	WIND SPD.	CLOUD (amt)	TYPE	WEATHER	BOTTOM DEPTH	STA. NAME/ID															
	DEG	MIN		DEG	MIN		DAY	MO	YR	HR	MIN	(°C)	(°C)	(mb)	*	*	(deg)	(kts)	*	*	*	(m)																
	1	01	58	08	19	7	N	16	9	5	4	19	8	W	23	S	E	P	1	4	15	51	10	09	8	12			210	9					72	70	M	25
																							REMARKS				MAX. DEPTH = 67 m											
SBE 9+				FLUOR S/N																																		
PRESS SN				SBE43-Oxy (prime)																																		
PRI TEMP SN				SBE43-Oxy (sec)																																		
SEC TEMP SN				Transmissometer																																		
PRI COND SN				PAR S/N																																		
SEC COND SN																																						
Nis	DEPTH	Rosette Notes				Hydro Team-PMEL													Comments				Nis															
No.	DESIRED					SALT	Nut.Btl	O2-Btl.No				Chloro-I	>10	dup								No.																
1	BTM					21	750															1																
2	50						751					281										2																
3	40						752					288										3																
4	30						753					285										4																
5	20						754					138										5																
6	10						755					132										6																
7	0						756	241				139										7																
8																						8																
9																						9																
10																						10																
11																						11																
12																						12																

[illegible]

[illegible]

VESSEL NOAAS Oscar Dyson						CRUISE ID DY1408							PROJECT & LEG BASIS Fall 2014, Leg 3									CLAMS HAUL # 304										STATION NO. 158			
CONSC CAST #		LATITUDE			LONGITUDE			DATE			TIME (GMT)		DRY BULB		Relative Humidity		PRESSURE	SEA STATE	VISIBILITY	WIND DIRN.		WIND SPD.		CLOUD (amt)	TYPE	WEATHER	BOTTOM DEPTH	STA. NAME/ID							
		DEG	MIN		DEG	MIN		DAY	MO	YR	HR	MIN	(°C)	%	(mb)	*	*	*	(deg)	(kts)	*	*	*	* * *	(m)										
104		58	36	.99 N	170	16	.35 W	23	S E P	1 4	19	32	10	.4	93	.			1	3	2	6	3	1	1		73	70 M28							
SBE 9+					FLUOR S/N																					MAX. DEPTH = 69 m									
PRESS SN					SBE43-Oxy (prime)																														
PRI TEMP SN					SBE43-Oxy (sec)																														
SEC TEMP SN					Transmissometer																														
PRI COND SN					PAR S/N																														
SEC COND SN																																			
Nis No.	DEPTH DESIRED	Rosette Notes	Hydro Team-PMEL				Chloro-I	>10	dnp																Comments	Nis No.									
			SALT	Nut.Btl	O2-Btl.No																														
1	BTM			771	344																						1								
2	50			772				281																			2								
3	40			773				288																			3								
4	30			774				285																			4								
5	20			775				138																			5								
6	10			776				132																			6								
7	0			777				139																			7								
8																											8								
9																											9								
10																											10								
11																											11								
12																											12								

[illegible]

Te SFC - 10

Te Bottom - 2°

VESSEL NOAAS Oscar Dyson		CRUISE ID DY1408		PROJECT & LEG BASIS Fall 2014, Leg 3		CLAMS HAUL # <u>307</u>		STATION NO. 160								
CONSC CAST #	LATITUDE	LONGITUDE	DATE	TIME (GMT)	DRY BULB	Relative Humidity	PRESSURE	SEA STATE	VISIBILITY	WIND DIRN.	WIND SPD.	CLOUD (amt)	TYPE	WEATHER	BOTTOM DEPTH	STA. NAME/ID
	DEG MIN	DEG MIN	DAY MO YR	HR MIN	(°C)	(%)	(mb)	*	*	(deg)	(kts)	*	*	*	(m)	
106	58 57.14 N	170 19.24 W	23 SEP 14	22 05	10.4	90.	14			249	10				7070 M30	
MAX. DEPTH = 65 m																
SBE 9+		FLUOR S/N		REMARKS												
PRESS SN		SBE43-Oxy (prime)		MOSTLY CLOUDY, STILL AQUA-GREEN WATER												
PRI TEMP SN		SBE43-Oxy (sec)		- During beam tow - when toport 60cm beam broke water bottom of beam was not visible -												
SEC TEMP SN		Transmissometer		water visibility less than 15m												
PRI COND SN		PAR S/N														
SEC COND SN																
Nis	DEPTH	Rosette Notes	Hydro Team-PMEL			Chloro-I	>10	dup	Comments		Nis					
No.	DESIRED		SALT	Nut.Btl	O2-Btl.No						No.					
1	BTM		x23	785	x346						1					
2	50			786				x281			2					
3	40			787				288			3					
4	30			788				285			4					
5	20			789				136			5					
6	10			790				132			6					
7	0			791				139			7					
8											8					
9											9					
10											10					
11											11					
12											12					

VESSEL				CRUISE ID				PROJECT & LEG				CLAMS HAUL #				STATION NO.								
NOAAS Oscar Dyson				DY1408				BASIS Fall 2014, Leg 3				309				161								
CONSC CAST #	LATITUDE			LONGITUDE			DATE			TIME (GMT)		DRY BULB	Relative Humidity	PRESSURE	SEA STATE	VISIBILITY	WIND DIRN.	WIND SPD.	CLOUD (amt)	TYPE	WEATHER	BOTTOM DEPTH	STA. NAME/ID	
	DEG	MIN		DEG	MIN		DAY	MO	YR	HR	MIN	(°C)	(%)	(mb)	*	*	(deg)	(kts)	*	*	*	(m)		
107	59	06.36	N	170	14.95	W	23	S	E	P	1	4	23	22	10.4	91.	1.4		24	6	12		68	70M31
																							MAX. DEPTH =	62 m
SBE 9+				FLUOR S/N				REMARKS Aqua water very chalky.																
PRESS SN				SBE43-Oxy (prime)																				
PRI TEMP SN				SBE43-Oxy (sec)																				
SEC TEMP SN				Transmissometer																				
PRI COND SN				PAR S/N																				
SEC COND SN																								
Nis	DEPTH	Rosette Notes		Hydro Team-PMEL													Comments			Nis				
No.	DESIRED			SALT	Nut.Btl	O2-Btl.No				Chloro-I	>10	dup							No.					
1	BTM				792														1					
2	50				793					281									2					
3	40				794					288									3					
4	30				795					285						in traps. max			4					
5	20				796					138									5					
6	10			24	797	347				132									6					
7	0			24	798					139						Vents not closed			7					
8																			8					
9																			9					
10																			10					
11																			11					
12																			12					

[illegible]

VESSEL						CRUISE ID							PROJECT & LEG								CLAMS HAUL #									STATION NO.					
NOAAS Oscar Dyson						DY1408							BASIS Fall 2014, Leg 3																	163					
CONSC CAST #			LATITUDE			LONGITUDE			DATE			TIME (GMT)		DRY BULB		Relative Humidity		PRESSURE	SEA STATE	VISIBILITY	WIND DIRN.	WIND SPD.	CLOUD (amt)	TYPE	WEATHER	BOTTOM DEPTH	STA. NAME/ID								
			DEG MIN			DEG MIN			DAY MO YR			HR MIN		(°C)		(°C)		(mb)	*	*	(deg)	(kts)	*	*	*	(m)									
1095920			.08 N			17039.25 W			24 SEP 14			0143		10.2		95.		14				267	8			7070M33									
MAX. DEPTH = 64 m																																			
SBE 9+						FLUOR S/N						REMARKS - AREA IS HAZY ; still in bloom - Pipnoctenae not as distinct in HZ east / previous cast																							
PRESS SN						SBE43-Oxy (prime)																													
PRI TEMP SN						SBE43-Oxy (sec)																													
SEC TEMP SN						Transmissometer																													
PRI COND SN						PAR S/N																													
SEC COND SN																																			
Nis No.	DEPTH DESIRED	Rosette Notes	Hydro Team-PMEL				Chloro-I	>10	dip	Comments												Nis No.													
			SALT	Nut.Btl	O2-Btl.No																														
1	BM		25	806														1																	
2	50			807														2																	
3	40			808														3																	
4	30			809														4																	
5	20			810														5																	
6	10			811														6																	
7	0			812	349													7																	
8																		8																	
9																		9																	
10																		10																	
11																		11																	
12																		12																	

VESSEL NOAAS Oscar Dyson						CRUISE ID DY1408						PROJECT & LEG BASIS Fall 2014, Leg 3						CLAMS HAUL # 313						STATION NO. 164					
CONSC CAST #		LATITUDE				LONGITUDE				DATE			TIME (GMT)		DRY BULB		Relative Humidity		PRESSURE	SEA STATE	VISIBILITY	WIND DIRN.	WIND SPD.	CLOUD (amt)	TYPE	WEATHER	BOTTOM DEPTH	STA. NAME/ID	
		DEG	MIN			DEG	MIN			DAY	MO	YR	HR	MIN	(°C)	(%)	(mb)	*	*	(deg)	(kts)	*	*	*		(m)			
		11	05	92	6.34	N	17	05	4.47	W	24	S	E	P	1	4	02	49	10.7	92.	15		263	7			73	70 M 34	
SBE 9+						FLUOR S/N				REMARKS <i>- less defined thermocline</i> <i>- hazy horizon, green water - looks tropical</i>																	MAX. DEPTH =		67 m
PRESS SN						SBE43-Oxy (prime)																							
PRI TEMP SN						SBE43-Oxy (sec)																							
SEC TEMP SN						Transmissometer																							
PRI COND SN						PAR S/N																							
SEC COND SN																													
Nis No.	DEPTH DESIRED	Rosette Notes				Hydro Team-PMEL						Chloro-l			>10	dup	Comments										Nis No.		
						SALT	Nut.Btl			O2-Btl.No																			
1	BTM						813			350																	1		
2	50						814							281													2		
3	40						815							288													3		
4	30						816							285													4		
5	20						817							138													5		
6	10						818							132													6		
7	0						819							139													7		
8																											8		
9							xinline							xinline													9		
10																											10		
11																											11		
12																											12		

[illegible]

T₂ 4m - 0.5°C T₅ 10m - 10°C

VESSEL NOAAS Oscar Dyson		CRUISE ID DY1408		PROJECT & LEG BASIS Fall 2014, Leg 3		CLAMS HAUL # <u>316</u>		STATION NO. 166								
CONSC CAST #	LATITUDE	LONGITUDE	DATE	TIME (GMT)	DRY BULB	Relative Humidity	PRESSURE	SEA STATE	VISIBILITY	WIND DIRN.	WIND SPD.	CLOUD (amt)	TYPE	WEATHER	BOTTOM DEPTH	STA. NAME/ID
	DEG MIN	DEG MIN	DAY MO YR	HR MIN	(°C)	(%)	(mb)	*	*	(deg)	(kts)	*	*	*	(m)	
112	59 43.09 N	171 07.61 W	24 SEP 14	0510	10.3	94.	13			269	5				7270M	36
															MAX. DEPTH =	67 m
SBE 9+		FLUOR S/N		REMARKS <u>O₂ sensors have offset - cleaned one last time from jelly fish</u>												
PRESS SN		SBE43-Oxy (prime)														
PRI TEMP SN		SBE43-Oxy (sec)														
SEC TEMP SN		Transmissometer														
PRI COND SN		PAR S/N														
SEC COND SN																
Nis	DEPTH	Rosette Notes	Hydro Team-PMEL									Comments			Nis	
No.	DESIRED		SALT	Nut.Btl	O2-Btl.No	Chloro-I	>10	dup							No.	
1	BTM			827											1	
2	50			828		281									2	
3	40			829		285									3	
4	30			830		285									4	
5	20			831		281									5	
6	10			832		283									6	
7	0			833	352	283									7	
8															8	
9															9	
10															10	
11															11	
12															12	

VESSEL						CRUISE ID							PROJECT & LEG								CLAMS HAUL #									STATION NO.			
NOAAS Oscar Dyson						DY1408							BASIS Fall 2014, Leg 3								318									167			
CONSC CAST #		LATITUDE				LONGITUDE				DATE			TIME (GMT)		DRY BULB		Relative Humidity		PRESSURE	SEA STATE	VISIBILITY	WIND DIRN.	WIND SPD.	CLOUD (amt)	TYPE	WEATHER	BOTTOM DEPTH	STA. NAME/ID					
		DEG	MIN			DEG	MIN			DAY	MO	YR	HR	MIN	(°C)	(%)	(mb)	*	*	(deg)	(kts)	*	*	*		(m)							
113		59	42	.14	N	17	12	9	.04	W	24	S E P	1	4	0635	9.9	93	14			225	6				74	MSS						
SBE 9+						FLUOR S/N				REMARKS																	MAX. DEPTH = 70 m						
PRESS SN						SBE43-Oxy (prime)				Do back (no offset) - closed between casts																							
PRI TEMP SN						SBE43-Oxy (sec)																											
SEC TEMP SN						Transmissometer																											
PRI COND SN						PAR S/N																											
SEC COND SN																																	
Nis No.	DEPTH DESIRED	Rosette Notes				Hydro Team-PMEL						Chloro-I			>10	dup					Comments						Nis No.						
						SALT	Nut.Btl	O2-Btl.No																									
1	BTM					27	834	353																			1						
2	50						835					281															2						
3	40						836					288															3						
4	30						837					285															4						
5	20						838					281															5						
6	10						839					283															6						
7	0						840					283															7						
8																											8						
9																											9						
10																											10						
11																											11						
12																											12						

[illegible]

VESSEL						CRUISE ID						PROJECT & LEG						CLAMS HAUL #						STATION NO.					
NOAAS Oscar Dyson						DY1408						BASIS Fall 2014, Leg 3						321						169					
CONSC CAST #			LATITUDE			LONGITUDE			DATE			TIME (GMT)		DRY BULB		Relative Humidity		PRESSURE	SEA STATE	VISIBILITY	WIND DIRN.	WIND SPD.	CLOUD (amt)	TYPE	WEATHER	BOTTOM DEPTH	STA. NAME/ID		
			DEG MIN			DEG MIN			DAY MO YR			HR MIN		(°C)		(°C)		(mb)	*	*	(deg)	(kts)	*	*	*	(m)			
115			59.53 N			171.15 W			24 SEP 14			0831		9.9		87.		15				254		7				72M5-E	
MAX. DEPTH = 69 m																													
SBE 9+						FLUOR S/N						REMARKS																	
PRESS SN						SBE43-Oxy (prime)																							
PRI TEMP SN						SBE43-Oxy (sec)																							
SEC TEMP SN						Transmissometer																							
PRI COND SN						PAR S/N																							
SEC COND SN																													
Nis No.	DEPTH DESIRED	Rosette Notes	SALT	Nut.Btl	O2-Btl.No	Chloro-I	>10	dup	Comments																Nis No.				
1	BTM			848	355																				1				
2	50			849		281																			2				
3	40			850		288																			3				
4	30			851		285																			4				
5	20			852		281																			5				
6	10			853		283																			6				
7	0		28	854		283																			7				
8																									8				
9																									9				
10																									10				
11																									11				
12																									12				

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VESSEL NOAAS Oscar Dyson		CRUISE ID DY1408		PROJECT & LEG BASIS Fall 2014, Leg 3		CLAMS HAUL # <u>333</u>		STATION NO. <u>176</u>										
CONSC CAST #	LATITUDE	LONGITUDE		DATE		TIME (GMT)	DRY BULB	Relative Humidity	PRESSURE	SEA STATE	VISIBILITY	WIND DIRN.	WIND SPD.	CLOUD (amt)	TYPE	WEATHER	BOTTOM DEPTH	STA. NAME/ID
	DEG MIN	DEG MIN	DAY MO YR	HR MIN	(°C)	(°C)	(mb)	*	*	(deg)	(kts)	*	*	*			(m)	
1226006	.117 N	17318.83 W	24 SEP 14	1845	10.1	97.	15					161	8				7270m	43
MAX. DEPTH = <u>67</u> m																		
SBE 9+		FLUOR S/N		REMARKS														
PRESS SN		SBE43-Oxy (prime)																
PRI TEMP SN		SBE43-Oxy (sec)																
SEC TEMP SN		Transmissometer																
PRI COND SN		PAR S/N																
SEC COND SN																		
Nis	DEPTH	Rosette Notes	Hydro Team-PMEL			Chloro-I	>10	dup	Comments				Nis					
No.	DESIRED		SALT	Nut.Btl	O2-Btl.No								No.					
1	BTM			897	132								1					
2	50			898			281						2					
3	40			899			280						3					
4	30			900			285						4					
5	20			901			281						5					
6	10			902			283						6					
7	0			903			283						7					
8													8					
9													9					
10													10					
11													11					
12													12					

VESSEL NOAAS Oscar Dyson				CRUISE ID DY1408				PROJECT & LEG BASIS Fall 2014, Leg 3				CLAMS HAUL # <u>336</u>				STATION NO. <u>178</u>							
CONSC CAST #	LATITUDE			LONGITUDE			DATE			TIME (GMT)		DRY BULB	Relative Humidity	PRESSURE	SEA STATE	VISIBILITY	WIND DIRN.	WIND SPD.	CLOUD (amt)	TYPE	WEATHER	BOTTOM DEPTH	STA. NAME/ID
	DEG	MIN		DEG	MIN		DAY	MO	YR	HR	MIN	(°C)	(%)	(mb)	*	*	(deg)	(kts)	*	*	*	(m)	
124	60	25.77	N	173	34.88	W	24	S	E	P	14	2124	10.6	97	16		153	5				6570	M45
SBE 9+				FLUOR S/N				REMARKS MAX. DEPTH = <u>59</u> m															
PRESS SN				SBE43-Oxy (prime)																			
PRI TEMP SN				SBE43-Oxy (sec)																			
SEC TEMP SN				Transmissometer																			
PRI COND SN				PAR S/N																			
SEC COND SN																							
Nis	DEPTH	Rosette Notes		Hydro Team-PMEL										Comments			Nis						
No.	DESIRED			SALT	Nut.Btl	O2-Btl.No				Chloro-I	>10	dup				No.							
1	BTM				911	182										1							
2	50				912					281						2							
3	40				913					288						3							
4	30				914					285						4							
5	20				915					281						5							
6	10				916					283						6							
7	0				917					283						7							
8																8							
9																9							
10																10							
11																11							
12																12							

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VESSEL NOAAS Oscar Dyson				CRUISE ID DY1408				PROJECT & LEG BASIS Fall 2014, Leg 3				CLAMS HAUL # <u>342</u>				STATION NO. 182								
CONSC CAST #	LATITUDE			LONGITUDE			DATE			TIME (GMT)		DRY BULB	Relative Humidity	PRESSURE	SEA STATE	VISIBILITY	WIND DIRN.	WIND SPD.	CLOUD (amt)	TYPE	WEATHER	BOTTOM DEPTH	STA. NAME/ID	
	DEG	MIN		DEG	MIN		DAY	MO	YR	HR	MIN	(°C)	(°C)	(mb)	*	*	(deg)	(kts)	*	*	*	(m)		
128	61	04.02	N	173	49.64	W	25	S	E	P	14	0223	10.098	14			1163	8				7970	M49	
SBE 9+				FLUOR S/N				REMARKS Primary conductivity looks bad (offset) on downcast. Secondary add on upcast, 1° looks ok on upcast. 3 water masses. Most zooplankton (large copepods?) seen so far on transect (according to Day Shift Scientist Paquin)															MAX. DEPTH = 73 m	
PRESS SN				SBE43-Oxy (prime)																				
PRI TEMP SN				SBE43-Oxy (sec)																				
SEC TEMP SN				Transmissometer																				
PRI COND SN				PAR S/N																				
SEC COND SN																								
Nis	DEPTH	Rosette Notes				Hydro Team-PMEL										Comments			Nis					
No.	DESIRED					SALT	Nut.Btl	O2-Btl.No				Chloro-I	>10	dup				No.						
1																		1						
2	BTM					35	939	x254							Note: TRANS vals			2						
3	50						940					281			increasing comp to previous days.			3						
4	40						941					288			prod exp tanks much clearer than have been.			4						
5	30						942					285						5						
6	20						943					281						6						
7	10						944					283						7						
8	0						945					283						8						
9																		9						
10		in line										in line						10						
11																		11						
12																		12						

VESSEL NOAAS Oscar Dyson				CRUISE ID DY1408				PROJECT & LEG BASIS Fall 2014, Leg 3				CLAMS HAUL # <u>344</u>				STATION NO. <u>183</u>								
CONSC CAST #	LATITUDE			LONGITUDE			DATE			TIME (GMT)		DRY BULB	Relative Humidity	PRESSURE	SEA STATE	VISIBILITY	WIND DIRN.	WIND SPD.	CLOUD (amt)	TYPE	WEATHER	BOTTOM DEPTH	STA. NAME/ID	
	DEG	MIN		DEG	MIN		DAY	MO	YR	HR	MIN	(°C)	(°C)	(mb)	*	*	(deg)	(kts)	*	*	*	(m)		
	129	61	14.97 N	173	44.57 W		25	S	E	P	1	4	03	43	9.6	98.	15						7570M50	
SBE 9+				FLUOR S/N				REMARKS WATER NOT VERY ANHYDROUS															MAX. DEPTH = 70 m	
PRESS SN				SBE43-Oxy (prime)																				
PRI TEMP SN				SBE43-Oxy (sec)																				
SEC TEMP SN				Transmissometer																				
PRI COND SN				PAR S/N																				
SEC COND SN																								
Nis	DEPTH	Rosette Notes		Hydro Team-PMEL										Comments			Nis							
No.	DESIRED			SALT	Nut. Btl	O2-Btl. No				Chloro-I	>10	dup				No.								
1																1								
2	BTM				946											2								
3	50				947					(281 + 138) = 419						3								
4	40				948					(288 + 132) = 420						4								
5	30				949					(285 + 139) = 424						5								
6	20				950					281						6								
7	10				951					283						7								
8	0			36	952	255				283						8								
9																9								
10																10								
11																11								
12																12								

VESSEL NOAAS Oscar Dyson				CRUISE ID DY1408				PROJECT & LEG BASIS Fall 2014, Leg 3				CLAMS HAUL # <u>345</u>				STATION NO. <u>184</u>							
CONSC CAST #		LATITUDE		LONGITUDE		DATE		TIME (GMT)		DRY BULB	Relative Humidity	PRESSURE	SEA STATE	VISIBILITY	WIND DIRN.	WIND SPD.	CLOUD (amt)	TYPE	WEATHER	BOTTOM DEPTH	STA. NAME/ID		
		DEG	MIN	DEG	MIN	DAY	MO	YR	HR	MIN	(°C)	(°C)	(mb)	*	*	(deg)	(kts)	*	*	*	(m)		
130		61	24.61	N	173	44.34	W	25	S	E	P	1	4	04	48	9.5	98.	15			144	6	767015
SBE 9+				FLUOR S/N				REMARKS														MAX. DEPTH = <u>71</u> m	
PRESS SN				SBE43-Oxy (prime)				3+ layer system															
PRI TEMP SN				SBE43-Oxy (sec)																			
SEC TEMP SN				Transmissometer																			
PRI COND SN				PAR S/N																			
SEC COND SN																							
Nis	DEPTH	Rosette Notes		Hydro Team-PMEL													Comments			Nis			
No.	DESIRED			SALT	Nut.Btl	O2-Btl.No				Chloro-I	>10	dup							No.				
1																			1				
2	80m				953														2				
3	50				954					281	138								3				
4	40				955	262				288	132					O ₂ max			4				
5	30				956					285	139								5				
6	20				957					281									6				
7	10				958					283									7				
8	0				959					283									8				
9																			9				
10																			10				
11																			11				
12																			12				

VESSEL			CRUISE ID			PROJECT & LEG						CLAMS HAUL #							STATION NO.						
NOAAS Oscar Dyson			DY1408			BASIS Fall 2014, Leg 3						347							185						
CONSC CAST #		LATITUDE		LONGITUDE		DATE			TIME (GMT)		DRY BULB		Relative Humidity		PRESSURE	SEA STATE	VISIBILITY	WIND DIRN.	WIND SPD.	CLOUD (amt)	TYPE	WEATHER	BOTTOM DEPTH	STA. NAME/ID	
		DEG	MIN	DEG	MIN	DAY	MO	YR	HR	MIN	(°C)	(°C)	(mb)	*	*	(deg)	(kts)	*	*	*		(m)			
1316133.53		N		17341.94	W	25	S	E	P	1	4	0559	9.498.	15		128	5					7470M52			
SBE 9+				FLUOR S/N				REMARKS 2 nd sensors sucked jellyfish on upcast Bottom T = 0°C (first time on Wobath) Multi-layer system																MAX. DEPTH = 69 m	
PRESS SN				SBE43-Oxy (prime)																					
PRI TEMP SN				SBE43-Oxy (sec)																					
SEC TEMP SN				Transmissometer																					
PRI COND SN				PAR S/N																					
SEC COND SN																									
Nis No.	DEPTH DESIRED	Rosette Notes		Hydro Team-PMEL				Chloro-I			>10	dup	Comments										Nis No.		
				SALT	Nut.Btl	O2-Btl.No																			
1																							1		
2	BTM			x37	960																		2		
3	50				961					281	+139=420												3		
4	40				962					288	+138=426												4		
5	30				963					285	+139=424												5		
6	20				964					281													6		
7	10				965					283													7		
8	0				966 x275					283													8		
9																							9		
10																							10		
11																							11		
12																							12		

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VESSEL NOAAS Oscar Dyson				CRUISE ID DY1408				PROJECT & LEG BASIS Fall 2014, Leg 3				CLAMS HAUL # <u>351</u>				STATION NO. <u>188</u>							
CONSC CAST #		LATITUDE		LONGITUDE		DATE			TIME (GMT)		DRY BULB	Relative Humidity	PRESSURE	SEA STATE	VISIBILITY	WIND DIRN.	WIND SPD.	CLOUD (amt)	TYPE	WEATHER	BOTTOM DEPTH	STA. NAME/ID	
		DEG	MIN	DEG	MIN	DAY	MO	YR	HR	MIN	(°C)	(°C)	(mb)	*	*	(deg)	(kts)	*	*	*	(m)		
134		61	56.78	N	174	21.66	W	25	S	E	P	1	4	09	35	9.1	99.	1.5			176	7	7470M5S
SBE 9+ _____				FLUOR S/N _____				REMARKS _____ MAX. DEPTH = <u>69</u> m															
PRESS SN _____				SBE43-Oxy (prime) _____																			
PRI TEMP SN _____				SBE43-Oxy (sec) _____																			
SEC TEMP SN _____				Transmissometer _____																			
PRI COND SN _____				PAR S/N _____																			
SEC COND SN _____																							
Nis	DEPTH	Rosette Notes		Hydro Team-PMEL													Comments			Nis			
No.	DESIRED			SALT	Nut.Btl	O2-Btl.No				Chloro-I	>10	dup							No.				
1	BTM				981	300													1				
2	50				982					281 + 139									2				
3	40				983					288 + 138									3				
4	30				984					285 + 139									4				
5	20				985					281									5				
6	10				986					283									6				
7	0				987					283									7				
8																			8				
9																			9				
10																			10				
11																			11				
12																			12				

VESSEL NOAAS Oscar Dyson				CRUISE ID DY1408				PROJECT & LEG BASIS Fall 2014, Leg 3				CLAMS HAUL # <u>353</u>				STATION NO. 189							
CONSC CAST #	LATITUDE			LONGITUDE			DATE			TIME (GMT)		DRY BULB	Relative Humidity	PRESSURE	SEA STATE	VISIBILITY	WIND DIRN.	WIND SPD.	CLOUD (amt)	TYPE	WEATHER	BOTTOM DEPTH	STA. NAME/ID
	DEG	MIN		DEG	MIN		DAY	MO	YR	HR	MIN	(°C)	(°C)	(mb)	*	*	(deg)	(kts)	*	*	*	(m)	
13561	58.45	N	17436.72	W		25	S	E	P	1	4	1044	8.8	99.	15			168	6			76	M8S
SBE 9+				FLUOR S/N				REMARKS												MAX. DEPTH = 71 m			
PRESS SN				SBE43-Oxy (prime)																			
PRI TEMP SN				SBE43-Oxy (sec)																			
SEC TEMP SN				Transmissometer																			
PRI COND SN				PAR S/N																			
SEC COND SN																							
Nis	DEPTH	Rosette Notes		Hydro Team-PMEL										Comments			Nis						
No.	DESIRED			SALT	Nut. Btl	O2-Btl. No				Chloro-I	>10	dup				No.							
1	BTM			39	988											1							
2	50				989					281.	+ 139	= 420				2							
3	40				990					288	+ 138	= 426				3							
4	30				991					285	+ 139	= 424				4							
5	20				992					281						5							
6	10				993					283						6							
7	0				994	303				283						7							
8																8							
9																9							
10																10							
11																11							
12																12							

VESSEL			CRUISE ID			PROJECT & LEG						CLAMS HAUL #							STATION NO.		
NOAAS Oscar Dyson			DY1408			BASIS Fall 2014, Leg 3						355							190		
CONSC CAST #	LATITUDE		LONGITUDE		DATE			TIME (GMT)		DRY BULB	Relative Humidity	PRESSURE	SEA STATE	VISIBILITY	WIND DIRN.	WIND SPD.	CLOUD (amt)	TYPE	WEATHER	BOTTOM DEPTH	STA. NAME/ID
	DEG	MIN	DEG	MIN	DAY	MO	YR	HR	MIN	(°C)	(°C)	(mb)	*	*	(deg)	(kts)	*	*	*	(m)	
13602	01	.52 N	17439	.19 W	25	S	E P	1	4	11	28	8.9	99	15		161	7			7670M50	
										REMARKS											MAX. DEPTH = 71 m
SBE 9+ _____ PRESS SN _____ PRI TEMP SN _____ SEC TEMP SN _____ PRI COND SN _____ SEC COND SN _____										FLUOR S/N _____ SBE43-Oxy (prime) _____ SBE43-Oxy (sec) _____ Transmissometer _____ PAR S/N _____											
Nis	DEPTH	Rosette Notes	Hydro Team-PMEL											Comments			Nis				
No.	DESIRED		SALT	Nut.Btl	O2-Btl.No		Chloro-I	>10	dup							No.					
1	BTM			995	304											1					
2	50			996			281	+139	=420							2					
3	40			997			288	+138	=426							3					
4	30			998			285	+139	=424							4					
5	20			999			281									5					
6	10			1000			283									6					
7	0			1001			283									7					
8																8					
9																9					
10																10					
11																11					
12																12					

VESSEL NOAAS Oscar Dyson				CRUISE ID DY1408				PROJECT & LEG BASIS Fall 2014, Leg 3				CLAMS HAUL # 356				STATION NO. 191							
CONSC CAST #	LATITUDE			LONGITUDE			DATE			TIME (GMT)		DRY BULB	Relative Humidity	PRESSURE	SEA STATE	VISIBILITY	WIND DIRN.	WIND SPD.	CLOUD (amt)	TYPE	WEATHER	BOTTOM DEPTH	STA. NAME/ID
	DEG	MIN		DEG	MIN		DAY	MO	YR	HR	MIN	(°C)	(°C)	(mb)	*	*	(deg)	(kts)	*	*	*	(m)	
1376	21	11.85	N	174	18.56	W	25	S	E	P	1	4	1259	8.8	100.	15							69m82
SBE 9+				FLUOR S/N				REMARKS												MAX. DEPTH = 65 m			
PRESS SN				SBE43-Oxy (prime)																			
PRI TEMP SN				SBE43-Oxy (sec)																			
SEC TEMP SN				Transmissometer																			
PRI COND SN				PAR S/N																			
SEC COND SN																							
Nis	DEPTH	Rosette Notes		Hydro Team-PMEL											Comments		Nis						
No.	DESIRED			SALT	Nut.Btl	O2-Btl.No				Chloro-I	>10	dup					No.						
1	BTM				1002												1						
2	50				1003					281	4139	420					2						
3	40				1004					288	4138	426					3						
4	30				1005					285	4139	424					4						
5	20				1006					281							5						
6	10				1007					283							6						
7	0			x 40	1008	363				283							7						
8																	8						
9																	9						
10																	10						
11																	11						
12																	12						

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VESSEL				CRUISE ID				PROJECT & LEG				CLAMS HAUL #				STATION NO.								
NOAAS Oscar Dyson				DY1408				BASIS Fall 2014, Leg 3				360				193								
CONSC CAST #		LATITUDE		LONGITUDE		DATE		TIME (GMT)		DRY BULB		Relative Humidity		PRESSURE	SEA STATE	VISIBILITY	WIND DIRN.	WIND SPD.	CLOUD (amt)	TYPE	WEATHER	BOTTOM DEPTH	STA. NAME/ID	
		DEG	MIN	DEG	MIN	DAY	MO	YR	HR	MIN	(°C)	(°C)	(mb)	*	*	(deg)	(kts)	*	*	*	(m)			
139		62	12.20 N	175	11.96 W	25	S	E	P	1	4	19	13	9.4	101	16		19	2	3		80 M8-W		
SBE 9+				FLUOR S/N				REMARKS															MAX. DEPTH = 75 m	
PRESS SN				SBE43-Oxy (prime)																				
PRI TEMP SN				SBE43-Oxy (sec)																				
SEC TEMP SN				Transmissometer																				
PRI COND SN				PAR S/N																				
SEC COND SN																								
Nis No.	DEPTH DESIRED	Rosette Notes	Hydro Team-PMEL				Chloro-I	>10	dup	Comments												Nis No.		
No.			SALT	Nut.Btl	O2-Btl.No																		No.	
1	BTM		41	1016	361																		1	
2	50			1017				281 + 139															2	
3	40			1018				285 + 138															3	
4	30			1019				285 + 139			O ₂ SAT MAX ~28%												4	
5	20			1020				281															5	
6	10			1021				283															6	
7	0			1022				283															7	
8																							8	
9																							9	
10																							10	
11																							11	
12																							12	

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VESSEL				CRUISE ID				PROJECT & LEG				CLAMS HAUL #				STATION NO.								
NOAAS Oscar Dyson				DY1408				BASIS Fall 2014, Leg 3				373				200								
CONSC CAST #		LATITUDE		LONGITUDE		DATE		TIME (GMT)		DRY BULB		Relative Humidity		PRESSURE	SEA STATE	VISIBILITY	WIND DIRN.	WIND SPD.	CLOUD (amt)	TYPE	WEATHER	BOTTOM DEPTH	STA. NAME/ID	
		DEG	MIN	DEG	MIN	DAY	MO	YR	HR	MIN	(°C)	(°C)	(mb)	*	*	(deg)	(kts)	*	*	*		(m)		
1466233		64	N	17333	00	W	26	S	E	P	1	4	0722	9.4	90	17		253	5			66	DB01.6	
SBE 9+				FLUOR S/N				REMARKS It's dark outside! Thin layer of phytoplankton at 28m															MAX. DEPTH = 61 m	
PRESS SN				SBE43-Oxy (prime)																				
PRI TEMP SN				SBE43-Oxy (sec)																				
SEC TEMP SN				Transmissometer																				
PRI COND SN				PAR S/N																				
SEC COND SN																								
Nis No.	DEPTH	Rosette Notes		Hydro Team-PMEL													Comments			Nis No.				
	DESIRED			SALT	Nut.Btl	O2-Btl.No				Chloro-I	>10	dup												
1	BTM				1065														1					
2	50				1066					281	+	138							2					
3	40				1067					288	+	139							3					
4	30				1068					285	+	139							4					
5	20				1069					281									5					
6	10				1070					283									6					
7	0				1071	370				283									7					
8																			8					
9																			9					
10																			10					
11																			11					
12																			12					

VESSEL NOAAS Oscar Dyson				CRUISE ID DY1408				PROJECT & LEG BASIS Fall 2014, Leg 3				CLAMS HAUL # <u>377</u>				STATION NO. <u>202</u>										
CONSC CAST #	LATITUDE			LONGITUDE			DATE			TIME (GMT)		DRY BULB	Relative Humidity	PRESSURE	SEA STATE	VISIBILITY	WIND DIRN.	WIND SPD.	CLOUD (amt)	TYPE	WEATHER	BOTTOM DEPTH	STA. NAME/ID			
	DEG	MIN		DEG	MIN		DAY	MO	YR	HR	MIN	(°C)	(°C)	(mb)	*	*	(deg)	(kts)	*	*	*	(m)				
148630	01	63	N	17327	32	W	26	S	E	P	14	1040	9.395	117			250	7				72	DB01.8			
SBE 9+				FLUOR S/N				REMARKS <u>Calm, nice subsurface chl max</u>															MAX. DEPTH = <u>66</u> m			
PRESS SN				SBE43-Oxy (prime)																						
PRI TEMP SN				SBE43-Oxy (sec)																						
SEC TEMP SN				Transmissometer																						
PRI COND SN				PAR S/N																						
SEC COND SN																										
Nis	DEPTH	Rosette Notes		Hydro Team-PMEL										Comments			Nis									
No.	DESIRED			SALT	Nut.Btl	O2-Btl.No				Chloro-I	>10	dup				No.										
1	PTM				1079											1										
2	50				1080					281						2										
3	40				1081					288						3										
4	30				1082					285						4										
5	20				1083					281						5										
6	10				1084					283						6										
7	0				1085	368				283						7										
8																8										
9																9										
10																10										
11																11										
12																12										

VESSEL NOAAS Oscar Dyson						CRUISE ID DY1408							PROJECT & LEG BASIS Fall 2014, Leg 3									CLAMS HAUL # <u>384</u>								STATION NO. <u>205</u>							
CONSC CAST #			LATITUDE						LONGITUDE						DATE				TIME (GMT)		DRY BULB		Relative Humidity		PRESSURE	SEA STATE	VISIBILITY	WIND DIRN.	WIND SPD.	CLOUD (amt)	TYP	WEATHER	BOTTOM DEPTH	STA. NAME/ID			
			DEG		MIN				DEG		MIN				DAY	MO	YR	HR	MIN	(°C)	(°C)	(mb)	*	*	(deg)	(kts)	*	*	*	(m)							
151			59		30.35 N				172		59.76 W				27	S	E	P	1	4	15	46	10.6	88	.	16			231	16			96				
SBE 9+									FLUOR S/N						REMARKS - BASIS STN leg 3 (1st) - O ₂ OFFSET - Pri sat off on upcast (above 20m)																	MAX. DEPTH = 91 m					
PRESS SN									SBE43-Oxy (prime)																												
PRI TEMP SN									SBE43-Oxy (sec)																												
SEC TEMP SN									Transmissometer																												
PRI COND SN									PAR S/N																												
SEC COND SN																																					
Nis No.	DEPTH DESIRED	Rosette Notes	Hydro Team-PMEL									Chloro-I	>10	dup	>10	Comments											Nis No.										
1	BTM																										1										
2	75																										2										
3	50																										3										
4	40																										4										
5	30															Bottom of interface											5										
6	20																										6										
7	10																										7										
'	0																										8										
8																											8										
9																											9										
10																											10										
11																											11										
12																											12										

VESSEL NOAAS Oscar Dyson				CRUISE ID DY1408				PROJECT & LEG BASIS Fall 2014, Leg 3				CLAMS HAUL # <u>393</u>				STATION NO. <u>209</u>							
CONSC CAST #	LATITUDE			LONGITUDE			DATE			TIME (GMT)		DRY BULB	Relative Humidity	PRESSURE	SEA STATE	VISIBILITY	WIND DIRN.	WIND SPD.	CLOUD (amt)	TYPE	WEATHER	BOTTOM DEPTH	STA. NAME/ID
	DEG	MIN		DEG	MIN		DAY	MO	YR	HR	MIN	(°C)	(°C)	(mb)	*	*	(deg)	(kts)	*	*	*	(m)	
	153	58	59.97 N	171	59.21 W		28	S	E	P	1	4	06	05	10.5	82	15					91	SEB68
SBE 9+				FLUOR S/N				REMARKS MAX. DEPTH = <u>88</u> m															
PRESS SN				SBE43-Oxy (prime)																			
PRI TEMP SN				SBE43-Oxy (sec)																			
SEC TEMP SN				Transmissometer																			
PRI COND SN				PAR S/N																			
SEC COND SN																							
Nis No.	DEPTH DESIRED	Rosette Notes		Hydro Team-PMEL				Chloro-I	>10	dup	Comments				Nis No.								
		SALT	Nut. Btl	O2-Btl. No																			
1	BTM		1115												1								
2	65		1116												2								
3	50		1117				290								3								
4	40		1118				290								4								
5	30		1119				290								5								
6	20		1120				290	290							6								
7	10		1121				290	290							7								
8	0		1122	281			290								8								
9															9								
10															10								
11															11								
12															12								

VESSEL NOAAS Oscar Dyson				CRUISE ID DY1408				PROJECT & LEG BASIS Fall 2014, Leg 3				CLAMS HAUL # 399				STATION NO. 212										
CONSC CAST #	LATITUDE			LONGITUDE			DATE			TIME (GMT)		DRY BULB	Relative Humidity	PRESSURE	SEA STATE	VISIBILITY	WIND DIRN.	WIND SPD.	CLOUD (amt)	TYPE	WEATHER	BOTTOM DEPTH	STA. NAME/ID			
	DEG	MIN		DEG	MIN		DAY	MO	YR	HR	MIN	(°C)	(°C)	(mb)	*	*	(deg)	(kts)	*	*	*	(m)				
155	58	29.99	N	173	00.18	W	28	S	E	P	14	23	13	10.5	69.	20		350	8			112				
SBE 9+				FLUOR S/N				REMARKS * On chl vial left out of freezer - BAD _____ _____ _____ _____ _____															MAX. DEPTH = 106 m			
PRESS SN				SBE43-Oxy (prime)																						
PRI TEMP SN				SBE43-Oxy (sec)																						
SEC TEMP SN				Transmissometer																						
PRI COND SN				PAR S/N																						
SEC COND SN																										
Nis	DEPTH	Rosette Notes		Hydro Team-PMEL										Comments			Nis									
No.	DESIRED			SALT	Nut.Btl	O2-Btl.No				Chloro-I	>10	dup				No.										
1	BTM				1131											1										
2	75				1132											2										
3	50				1133					290						3										
4	40				1134					290						4										
5	30				1135					290						5										
6	20				1136					290	290					6										
7	10				1137					290	290	290	290				7									
8	0				1138	283				* 290						8										
9	-															9										
10	-															10										
11	-															11										
12																12										

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VESSEL				CRUISE ID				PROJECT & LEG				CLAMS HAUL #				STATION NO.						
NOAAS Oscar Dyson				DY1408				BASIS Fall 2014, Leg 3				419				220						
CONSC CAST #		LATITUDE		LONGITUDE		DATE		TIME (GMT)		DRY BULB	Relative Humidity	PRESSURE	SEA STATE	VISIBILITY	WIND DIRN.	WIND SPD.	CLOUD (amt)	TYPE	WEATHER	BOTTOM DEPTH	STA. NAME/ID	
		DEG	MIN	DEG	MIN	DAY	MO	YR	HR	MIN	(°C)	(°C)	(mb)	*	*	(deg)	(kts)	*	*	(m)		
161		54	27	16	N	16	7	22	01	14	56	8.9	87	13		57	22			647	UT1	
SBE 9+				FLUOR S/N		REMARKS															MAX. DEPTH = 600 m	
PRESS SN				SBE43-Oxy (prime)		Forgot to remove transmissometer, so stopped CTD at 600m																
PRI TEMP SN				SBE43-Oxy (sec)		Secondary O2 + Salinity had part of upcast - obstruction in																
SEC TEMP SN				Transmissometer																		
PRI COND SN				PAR S/N																		
SEC COND SN																						
Nis	DEPTH	Rosette Notes		Hydro Team-PMEL											Comments		Nis					
No.	DESIRED			SALT	Nut.Btl	O2-Btl.No				Chloro-I	>10	dup					No.					
1	BTM				1184	289											1					
2	400				1185	290											2					
3	200				1186												3					
4	100				1187												4					
5	75				1188												5					
6	50				1189					281							6					
7	40				1190					286							7					
8	30				1191					285							8					
9	20				1192					281							9					
10	10				1193					283							10					
11	0				1194					283							11					
12																	12					

VESSEL NOAAS Oscar Dyson				CRUISE ID DY1408				PROJECT & LEG BASIS Fall 2014, Leg 3				CLAMS HAUL # <u>421</u>				STATION NO. <u>221</u>							
CONSC CAST #	LATITUDE			LONGITUDE			DATE			TIME (GMT)		DRY BULB	Relative Humidity	PRESSURE	SEA STATE	VISIBILITY	WIND DIRN.	WIND SPD.	CLOUD (amt)	TYPE	WEATHER	BOTTOM DEPTH	STA. NAME/ID
	DEG	MIN		DEG	MIN		DAY	MO	YR	HR	MIN	(°C)	(%)	(mb)	*	*	(deg)	(kts)	*	*	*	(m)	
162	54	19	.88 N	167	16	.16 W	01	SEP	14	18	59	8.9	83	12			056	15				824	UT2
SBE 9+				FLUOR S/N				REMARKS												MAX. DEPTH = <u>820 m</u>			
PRESS SN				SBE43-Oxy (prime)				<u>NO PAR / NO TRANS / sw. labeled secondary cells</u> <u>for TS system prior to cast</u> <u>~270m - detected shell with halve?</u> <u>~2nd O₂ smell offset below 420m on downcast, 2nd sel O₂ offset</u> <u>2nd OK above 150m</u>															
PRI TEMP SN				SBE43-Oxy (sec)																			
SEC TEMP SN				Transmissometer																			
PRI COND SN				PAR S/N																			
SEC COND SN																							
Nis No.	DEPTH	Rosette Notes		Hydro Team-PMEL				Chloro-I		>10	dup	Comments				Nis No.							
	DESIRED			SALT	Nut.Btl	O2-Btl.No																	
1	BTM			102	1195	291										1							
2	500				1196											2							
3	250				1197											3							
4	100				1198											4							
5	75				1199											5							
6	50				1200			281								6							
7	40				1201			288								7							
8	30				1202			285								8							
9	20				1203			281								9							
10	10				1204			283								10							
11	0				1205	292		283								11							
12																12							

2nd pump acting up - downcast (OK?) upcast is noisy

VESSEL NOAAS Oscar Dyson				CRUISE ID DY1408				PROJECT & LEG BASIS Fall 2014, Leg 3				CLAMS HAUL # <u>422</u>				STATION NO. 222					
CONSC CAST #	LATITUDE		LONGITUDE		DATE		TIME (GMT)		DRY BULB	Relative Humidity	PRESSURE	SEA STATE	VISIBILITY	WIND DIRN.	WIND SPD.	CLOUD (amt)	TYPE	WEATHER	BOTTOM DEPTH	STA. NAME/ID	
	DEG	MIN	DEG	MIN	DAY	MO	YR	HR	MIN	(°C)	(%)	(mb)	*	(deg)	(kts)	*	*	*	(m)		
163	54	10.88	N	167	09.54	W	01	OCT	14	21	25	8.9	83	11	045	17			1672	UT 3	
SBE 9+		FLUOR S/N		REMARKS <u>FK600 ready shallow</u> <u>- 10 (2nd) offset shot @ 325m on downcast</u> <u>appears 2nd pump is beginning to fail.</u> <u>- 2nd salvo on upcast still noisy + bad</u>																MAX. DEPTH = 1499 m	
PRESS SN		SBE43-Oxy (prime)																			
PRI TEMP SN		SBE43-Oxy (sec)																			
SEC TEMP SN		Transmissometer																			
PRI COND SN		PAR S/N																			
SEC COND SN																					
Nis	DEPTH	Rosette Notes		Hydro Team-PMEL										Comments			Nis				
No.	DESIRED			SALT	Nut Btl	O2-Btl.No				Chloro-I	>10	dup				No.					
1	1500 BTM			103	1206	293										1					
2	1000				1207	294										2					
3	500				1208	344										3					
4	100				1209											4					
5	175				1210											5					
6	50				1211					281						6					
7	40				1212					288						7					
8	30				1213					285						8					
9	20				1214					281						9					
10	10				1215					283						10					
11	0				1216					283						11					
12																12					

[illegible]

VESSEL				CRUISE ID				PROJECT & LEG				CLAMS HAUL #				STATION NO.																	
NOAAS Oscar Dyson				DY1408				BASIS Fall 2014, Leg 3				425				224																	
CONSC CAST #		LATITUDE		LONGITUDE		DATE		TIME (GMT)		DRY BULB		Relative Humidity		PRESSURE		SEA STATE		VISIBILITY		WIND DIRN.		WIND SPD.		CLOUD (amt)		TYPE		WEATHER		BOTTOM DEPTH		STA. NAME/ID	
		DEG MIN		DEG MIN		DAY MO YR		HR MIN		°C		°C %		(mb)		*		*		(deg)		(kts)		*		*		(m)					
165		53.58.34 N		166.59.18 W		02 SEP 14		0230		9.4		77.		07						070		25						107		UTS			
SBE 9+				FLUOR S/N				REMARKS 2 nd sensors work fine in shallow casts										MAX. DEPTH = 105 m															
PRESS SN				SBE43-Oxy (prime)																													
PRI TEMP SN				SBE43-Oxy (sec)																													
SEC TEMP SN				Transmissometer																													
PRI COND SN				PAR S/N																													
SEC COND SN																																	
Nis	DEPTH	Rosette Notes		Hydro Team-PMEL																	Comments		Nis										
No.	DESIRED			SALT	Nut.Btl	O2-Btl.No				Chloro-I	>10	dup											No.										
1	BTM				1228	347																	1										
2	35				1229																		2										
3	50				1230					281													3										
4	40				1231					288													4										
5	30				1232					285													5										
6	20				1233					281													6										
7	10				1234					283													7										
8	0			104	1235					283													8										
9																							9										
10																							10										
11																							11										
12																							12										

VESSEL			CRUISE ID			PROJECT & LEG			CLAMS HAUL #			STATION NO.								
NOAAS Oscar Dyson			DY1408			BASIS Fall 2014, Leg 3			426			225								
CONSC CAST #	LATITUDE		LONGITUDE		DATE		TIME (GMT)		DRY BULB	Relative Humidity	PRESSURE	SEA STATE	VISIBILITY	WIND DIRN.	WIND SPD.	CLOUD (amt)	TYPE	WEATHER	BOTTOM DEPTH	STA. NAME/ID
	DEG	MIN	DEG	MIN	DAY	MO	YR	HR	MIN	(°C)	(mb)	*	*	(deg)	(kts)	*	*	*	(m)	
166	54	04.58 N	166	37.35 W	02	OCT	14	04	23	9.2	81	06		072	19				131	AWI
SBE 9+ _____ FLUOR S/N _____																				REMARKS _____ MAX. DEPTH = 120 m
PRESS SN _____ SBE43-Oxy (prime) _____																				
PRI TEMP SN _____ SBE43-Oxy (sec) _____																				
SEC TEMP SN _____ Transmissometer _____																				
PRI COND SN _____ PAR S/N _____																				
SEC COND SN _____																				
Nis	DEPTH	Rosette Notes		Hydro Team-PMEL									Comments			Nis				
No.	DESIRED			SALT	Nut.Btl	O2-Btl.No				Chloro-I	>10	dup				No.				
1	BTM				1236											1				
2	100				1237											2				
3	75				1238											3				
4	50				1239					281						4				
5	40				1240					288						5				
6	30				1241					285						6				
7	20				1242					281						7				
8	10				1243					283						8				
9	0				1244	x 348				283						9				
10																10				
11																				
12																				

[illegible]

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VESSEL NOAAS Oscar Dyson				CRUISE ID DY1408				PROJECT & LEG BASIS Fall 2014, Leg 3				CLAMS HAUL # <u>435</u>				STATION NO. <u>230</u>									
CONSC CAST #		LATITUDE			LONGITUDE			DATE			TIME (GMT)		DRY BULB	Relative Humidity	PRESSURE	SEA STATE	VISIBILITY	WIND DIRN.	WIND SPD.	CLOUD (amt)	TYPE	WEATHER	BOTTOM DEPTH	STA. NAME/ID	
		DEG	MIN		DEG	MIN		DAY	MO	YR	HR	MIN	(°C)	(%)	(mb)	*	*	(deg)	(kts)	*	*	*	(m)		
171		54	18	.54	N	166	20	.85	W	07	SEP	14	1947	9.9	88	.06			066	17			992	A83	
SBE 9+					FLUOR S/N			REMARKS <u>Secondary sensor bad on upcast < ~250 m</u> <u>R/C ~ 40m</u>																MAX. DEPTH = <u>973</u> m	
PRESS SN					SBE43-Oxy (prime)																				
PRI TEMP SN					SBE43-Oxy (sec)																				
SEC TEMP SN					Transmissometer																				
PRI COND SN					PAR S/N																				
SEC COND SN																									
Nis	DEPTH	Rosette Notes		Hydro Team-PMEL													Comments			Nis					
No.	DESIRED			SALT	Nut.Btl	O2-Btl.No				Chloro-I	>10	dup							No.						
1	BTM			107	1289	354													1						
2	500				1290														2						
3	250				1291														3						
4	100				1292														4						
5	75				1293														5						
6	50				1294					281									6						
7	40				1295					288									7						
8	30				1296					285									8						
9	20				1297					281									9						
10	10				1298					283									10						
11	0				1299					283									11						
12																			12						

VESSEL NOAAS Oscar Dyson				CRUISE ID DY1408				PROJECT & LEG BASIS Fall 2014, Leg 3				CLAMS HAUL # 437				STATION NO. 231							
CONSC CAST #	LATITUDE			LONGITUDE			DATE			TIME (GMT)		DRY BULB	Relative Humidity	PRESSURE	SEA STATE	VISIBILITY	WIND DIRN.	WIND SPD.	CLOUD (amt)	TYPE	WEATHER	BOTTOM DEPTH	STA. NAME/ID
	DEG	MIN		DEG	MIN		DAY	MO	YR	HR	MIN	(°C)	(%)	(mb)	*	*	(deg)	(kts)	*	*	*	(m)	
1725414		60	N	16614	79	W	02	OCT	14	22	28	9.3	89	06			047	13				566	AE2
SBE 9+ _____ FLUOR S/N _____ PRESS SN _____ SBE43-Oxy (prime) _____ PRI TEMP SN _____ SBE43-Oxy (sec) _____ SEC TEMP SN _____ Transmissometer _____ PRI COND SN _____ PAR S/N _____ SEC COND SN _____												REMARKS TRANS/PAR ARE BACK! TRANS windows cleaned prior to -ODISY SFC measurements Relaskation -secondary >270m (pump) noisy										MAX. DEPTH = 547m	
Nis	DEPTH	Rosette Notes		Hydro Team-PMEL													Comments			Nis			
No.	DESIRED			SALT	Nut.Btl	O2-Btl.No				Chloro-I	>10	dup							No.				
1	BTM				1310											Bottle 1 in Nut 1310			1				
2	300				1301														2				
3	200				1302														3				
4	100				1303														4				
5	75				1304														5				
6	50				1305					281									6				
7	40				1306					288									7				
8	30				1307					285									8				
9	20				1308					281									9				
10	10				1309					283									10				
11	0				1300	355				283						Bottle 11 in Nut 1300			11				
12																			12				

VESSEL NOAAS Oscar Dyson				CRUISE ID DY1408				PROJECT & LEG BASIS Fall 2014, Leg 3				CLAMS HAUL # <u>438</u>				STATION NO. <u>232</u>							
CONSC CAST #	LATITUDE			LONGITUDE			DATE			TIME (GMT)		DRY BULB	Relative Humidity	PRESSURE	SEA STATE	VISIBILITY	WIND DIRN.	WIND SPD.	CLOUD (amt)	TYPE	WEATHER	BOTTOM DEPTH	STA. NAME/ID
	DEG	MIN		DEG	MIN		DAY	MO	YR	HR	MIN	(°C)	(%)	(mb)	*	*	(deg)	(kts)	*	*	*	(m)	
1735410		34	N	16613	21	W	02	SEP	14	23	40	9.3	88	06			053	19				125	AE1
SBE 9+				FLUOR S/N				REMARKS - 10 m/min descent but fairly choppy water. - secondary system ok										MAX. DEPTH = 115 m					
PRESS SN				SBE43-Oxy (prime)																			
PRI TEMP SN				SBE43-Oxy (sec)																			
SEC TEMP SN				Transmissometer																			
PRI COND SN				PAR S/N																			
SEC COND SN																							
Nis	DEPTH	Rosette Notes				Hydro Team-PMEL										Comments			Nis				
No.	DESIRED					SALT	Nut.Btl	O2-Btl.No				Chloro-I	>10	dup				No.					
1	BTM						1311	356										1					
2	75						1312											2					
3	50						1313					281						3					
4	40						1314					288						4					
5	30						1315					285						5					
6	20						1316					281						6					
7	10						1317					283						7					
8	0	108					1318					283						8					
9																		9					
10																		10					
11																		11					
12																		12					

VESSEL NOAAS Oscar Dyson				CRUISE ID DY1408				PROJECT & LEG BASIS Fall 2014, Leg 3				CLAMS HAUL # <u>439</u>				STATION NO. <u>233</u>										
CONSC CAST #	LATITUDE			LONGITUDE			DATE			TIME (GMT)		DRY BULB	Relative Humidity	PRESSURE	SEA STATE	VISIBILITY	WIND DIRN.	WIND SPD.	CLOUD (amt)	TYPE	WEATHER	BOTTOM DEPTH	STA. NAME/ID			
	DEG	MIN		DEG	MIN		DAY	MO	YR	HR	MIN	(°C)	(%)	(mb)	*	*	(deg)	(kts)	*	*	*	(m)				
	174	54.18	21 N	165	52.73	W	03	SEP	14	0227		91.3	82	04			14	13				110	UBN0			
SBE 9+				FLUOR S/N				REMARKS 10-12ft swells ~ 15" / min Deep mixed layer (75m) @ SFC END like ship															MAX. DEPTH = 98 m			
PRESS SN				SBE43-Oxy (prime)																						
PRI TEMP SN				SBE43-Oxy (sec)																						
SEC TEMP SN				Transmissometer																						
PRI COND SN				PAR S/N																						
SEC COND SN																										
Nis	DEPTH	Rosette Notes		Hydro Team-PMEL										Comments			Nis									
No.	DESIRED			SALT	Nut.Btl	O2-Btl.No				Chloro-I	>10	dup				No.										
1	3m				1319											1										
2	75				1320											2										
3	50				1321					281						3										
4	40				1322					288						4										
5	30				1323					285						5										
6	20				1324					281						6										
7	10				1325					283						7										
8	0				1326	357				283						8										
9																9										
10																10										
11																11										
12																12										

[illegible]

ALT NAME CTD 176 KACHEL

VESSEL NOAAS Oscar Dyson				CRUISE ID DY1408				PROJECT & LEG BASIS Fall 2014, Leg 3				CLAMS HAUL # 443				STATION NO. 235					
CONSC CAST #	LATITUDE		LONGITUDE		DATE		TIME (GMT)		DRY BULB	Relative Humidity	PRESSURE	SEA STATE	VISIBILITY	WIND DIRN.	WIND SPD.	CLOUD (amt)	TYPE	WEATHER	BOTTOM DEPTH	STA. NAME/ID	
	DEG	MIN	DEG	MIN	DAY	MO	YR	HR	MIN	(°C)	(°C) %	(mb)	*	(deg)	(kts)	*	*	*	(m)		
176	54.28	58 N	166.02	27 W	03	SEP	14	06	07	8.8	75	05		05	12				533	UBWZ	
SBE 9+		FLUOR S/N		REMARKS KACHEL COMENSATIVE CAST >300 2nd pump/sensor out on downcast																MAX. DEPTH = 516 m	
PRESS SN		SBE43-Oxy (prime)																			
PRI TEMP SN		SBE43-Oxy (sec)																			
SEC TEMP SN		Transmissometer																			
PRI COND SN		PAR S/N																			
SEC COND SN																					
Nis	DEPTH	Rosette Notes		Hydro Team-PMEL									Comments			Nis					
No.	DESIRED			SALT	Nut.Btl	O2-Btl.No				Chloro-I	>10	dup				No.					
1	1500 BTM				1338	359										1					
2	300				1339											2					
3	200				1340											3					
4	100				1341											4					
5	75				1342											5					
6	50				1343					281						6					
7	40				1344					288						7					
8	30				1345					285						8					
9	20				1346					281						9					
10	10				1347					283						10					
11	0				1348					283						11					
12																12					

VESSEL				CRUISE ID				PROJECT & LEG				CLAMS HAUL #				STATION NO.							
NOAAS Oscar Dyson				DY1408				BASIS Fall 2014, Leg 3				445				236							
CONSC CAST #		LATITUDE		LONGITUDE		DATE		TIME (GMT)		DRY BULB		Relative Humidity		PRESSURE	SEA STATE	VISIBILITY	WIND DIRN.	WIND SPD.	CLOUD (amt)	TYPE	WEATHER	BOTTOM DEPTH	STA. NAME/ID
		DEG	MIN	DEG	MIN	DAY	MO	YR	HR	MIN	(°C)	(°C)	(mb)	*	*	(deg)	(kts)	*	*	*		(m)	
1775434.91		N		16608.81	W	03	OCT	SEP	14	0818	8.6	81.	6			311	5					401	UBW3
SBE 9+				FLUOR S/N																		MAX. DEPTH =	414 m
PRESS SN				SBE43-Oxy (prime)																			
PRI TEMP SN				SBE43-Oxy (sec)																			
SEC TEMP SN				Transmissometer																			
PRI COND SN				PAR S/N																			
SEC COND SN																							
Nis	DEPTH	Rosette Notes		Hydro Team-PMEL													Comments			Nis			
No.	DESIRED			SALT	Nut.Btl	O2-Btl.No				Chloro-I	>10	dup							No.				
1	BTM				1349											Stopech was in during deployment			1				
2	300				1350														2				
3	200				1351														3				
4	100				1352														4				
5	75				1353														5				
6	50				1354					281									6				
7	40				1355					288									7				
8	30				1356					285									8				
9	20				1357					281									9				
10	10				1358	037				283									10				
11	0			110	1359					283									11				
12																			12				

[illegible]

VESSEL NOAAS Oscar Dyson				CRUISE ID DY1408				PROJECT & LEG BASIS Fall 2014, Leg 3				CLAMS HAUL # <u>448</u>				STATION NO. <u>238</u>							
CONSC CAST #	LATITUDE			LONGITUDE			DATE			TIME (GMT)		DRY BULB	Relative Humidity	PRESSURE	SEA STATE	VISIBILITY	WIND DIRN.	WIND SPD.	CLOUD (amt)	TYPE	WEATHER	BOTTOM DEPTH	STA. NAME/ID
	DEG	MIN		DEG	MIN		DAY	MO	YR	HR	MIN	(°C)	(°C)	(mb)	*	*	(deg)	(kts)	*	*	*	(m)	
	179	54	45.03 N	166	03.88 W		03	OCT	14	11	42	8.775		6			24	19				2220	UBNI
SBE 9+				FLUOR S/N				REMARKS												MAX. DEPTH = <u>210</u> m			
PRESS SN				SBE43-Oxy (prime)																			
PRI TEMP SN				SBE43-Oxy (sec)																			
SEC TEMP SN				Transmissometer																			
PRI COND SN				PAR S/N																			
SEC COND SN																							
Nis	DEPTH	Rosette Notes				Hydro Team-PMEL										Comments			Nis				
No.	DESIRED					SALT	Nut. Btl	O2-Btl. No				Chloro-I	>10	dup				No.					
1	BTM					111	1370											1					
2	100						1371											2					
3	75						1372											3					
4	50						1373		281									4					
5	40						1374		283									5					
6	30						1375		285									6					
7	20						1376		281									7					
8	10						1377		283									8					
9	0						1378	107	283									9					
10																		10					
11																		11					
12																		12					

VESSEL NOAAS Oscar Dyson				CRUISE ID DY1408				PROJECT & LEG BASIS Fall 2014, Leg 3				CLAMS HAUL # <u>450</u>				STATION NO. <u>239</u>														
CONSC CAST #		LATITUDE			LONGITUDE			DATE			TIME (GMT)		DRY BULB		Relative Humidity		PRESSURE	SEA STATE	VISIBILITY	WIND DIRN.		WIND SPD.		CLOUD (amt)	TYPE	WEATHER	BOTTOM DEPTH		STA. NAME/ID	
		DEG	MIN		DEG	MIN		DAY	MO	YR	HR	MIN	(°C)		(°C)		(mb)	*	*	(deg)		(kts)		*	*	*	(m)			
1		80	54.48		N	16		55		1	03	S	E	P		1	4	13	32	8.57		8		7		4	214		166 U BW 2	
SBE 9+				FLUOR S/N				REMARKS <u>well mixed to 50m</u>																MAX. DEPTH = <u>158</u> m						
PRESS SN				SBE43-Oxy (prime)																										
PRI TEMP SN				SBE43-Oxy (sec)																										
SEC TEMP SN				Transmissometer																										
PRI COND SN				PAR S/N																										
SEC COND SN																														
Nis	DEPTH	Rosette Notes			Hydro Team-PMEL															Comments			Nis							
No.	DESIRED				SALT		Nut.Btl		O2-Btl.No				Chloro-I	>10	dup							No.								
1	BTm						1379		118													1								
2	100						1380															2								
3	75						1381															3								
4	50						1382						281									4								
5	40						1383						288									5								
6	30						1384						285									6								
7	20						1385						281									7								
8	10						1386						283									8								
9	0						1387						283									9								
10																						10								
11																						11								
12																						12								

VESSEL NOAAS Oscar Dyson				CRUISE ID DY1408				PROJECT & LEG BASIS Fall 2014, Leg 3				CLAMS HAUL # <u>452</u>				STATION NO. <u>240</u>										
CONSC CAST #		LATITUDE			LONGITUDE			DATE			TIME (GMT)		DRY BULB		Relative Humidity		PRESSURE	SEA STATE	VISIBILITY	WIND DIRN.	WIND SPD.	CLOUD (amt)	TYPE	WEATHER	BOTTOM DEPTH	STA. NAME/ID
		DEG	MIN		DEG	MIN		DAY	MO	YR	HR	MIN	(°C)	(°C)	(mb)	*	*	(deg)	(kts)	*	*	*		(m)		
1815420.50		N			10525.98	W		03	OCT	14	1736		8.4	76.		7			1129					153	UBS4	
SBE 9+					FLUOR S/N																				MAX. DEPTH = <u>143</u> m	
PRESS SN					SBE43-Oxy (prime)																					
PRI TEMP SN					SBE43-Oxy (sec)																					
SEC TEMP SN					Transmissometer																					
PRI COND SN					PAR S/N																					
SEC COND SN																										
Nis	DEPTH	Rosette Notes		Hydro Team-PMEL															Comments		Nis					
No.	DESIRED			SALT	Nut.Btl	O2-Btl.No				Chloro-I	>10	dup									No.					
1	15m				1388																1					
2	100				1389																2					
3	75				1390																3					
4	50				1391					281											4					
5	40				1392					288											5					
6	30				1393					285											6					
7	20				1394					281											7					
8	10				1395					283											8					
9	0			112	1396	150				283											9					
10																					10					
11																					11					
12																					12					

VESSEL NOAAS Oscar Dyson			CRUISE ID DY1408			PROJECT & LEG BASIS Fall 2014, Leg 3			CLAMS HAUL # <u>454</u>			STATION NO. <u>241</u>								
CONSC CAST #	LATITUDE		LONGITUDE		DATE		TIME (GMT)		DRY BULB	Relative Humidity	PRESSURE	SEA STATE	VISIBILITY	WIND DIRN.	WIND SPD.	CLOUD (amt)	TYPE	WEATHER	BOTTOM DEPTH	STA. NAME/ID
	DEG	MIN	DEG	MIN	DAY	MO	YR	HR	MIN	(°C)	(°C)	(mb)	*	*	(deg)	(kts)	*	*	(m)	
1	82	54.22	162	N	16	51	6	03	00	19	08	81.5	70	8		624			167	UBSS
SBE 9+ _____ FLUOR S/N _____ PRESS SN _____ SBE43-Oxy (prime) _____ PRI TEMP SN _____ SBE43-Oxy (sec) _____ SEC TEMP SN _____ Transmissometer _____ PRI COND SN _____ PAR S/N _____ SEC COND SN _____										REMARKS _____ MAX. DEPTH = <u>158</u> m										
Nis	DEPTH	Rosette Notes	Hydro Team-PMEL									Comments			Nis					
No.	DESIRED		SALT	Nut. Btl	O2-Btl.No		Chloro-I	>10	dup						No.					
1	BTM			1397	161										1					
2	100			1398											2					
3	75			1399											3					
4	50			1400			281								4					
5	40			1401			288								5					
6	30			1402			285								6					
7	20			1403			281								7					
8	10			1404			283								8					
9	0			1405			283								9					
10															10					
11															11					
12															12					

VESSEL				CRUISE ID				PROJECT & LEG				CLAMS HAUL #				STATION NO.																	
NOAAS Oscar Dyson				DY1408				BASIS Fall 2014, Leg 3				455				242																	
CONSC CAST #		LATITUDE		LONGITUDE		DATE		TIME (GMT)		DRY BULB		Relative Humidity		PRESSURE		SEA STATE		VISIBILITY		WIND DIRN.		WIND SPD.		CLOUD (amt)		TYPE		WEATHER		BOTTOM DEPTH		STA. NAME/ID	
		DEG MIN		DEG MIN		DAY MO YR		HR MIN		(°C)		(%)		(mb)		*		*		(deg)		(kts)		*		*		*		(m)			
183		5426.08 N		16510.05 W		03 OCT SEP 14		2029		8.3		71		09						024		33								146		UBS2	
SBE 9+				FLUOR S/N				REMARKS Wavy Swells very challenging see skt near site 15 min Well mixed to 60m																MAX. DEPTH = 131 m									
PRESS SN				SBE43-Oxy (prime)																													
PRI TEMP SN				SBE43-Oxy (sec)																													
SEC TEMP SN				Transmissometer																													
PRI COND SN				PAR S/N																													
SEC COND SN																																	
Nis		DEPTH		Rosette Notes		Hydro Team-PMEL												Comments				Nis											
No.		DESIRED				SALT		Nut.Btl		O2-Btl.No		Chloro-I		>10		dup						No.											
1		BTM				113		1406														1											
2		75						1407														2											
3		50						1408				281										3											
4		40						1409				288										4											
5		30						1410				285										5											
6		20						1411				281										6											
7		10						1412				283										7											
8		0						1413		168		283										8											
9																						9											
10																						10											
11																						11											
12																						12											

VESSEL				CRUISE ID				PROJECT & LEG				CLAMS HAUL #				STATION NO.																	
NOAAS Oscar Dyson				DY1408				BASIS Fall 2014, Leg 3				457				243																	
CONSC CAST #		LATITUDE		LONGITUDE		DATE		TIME (GMT)		DRY BULB		Relative Humidity		PRESSURE		SEA STATE		VISIBILITY		WIND DIRN.		WIND SPD.		CLOUD (amt)		TYPE		WEATHER		BOTTOM DEPTH		STA. NAME/ID	
		DEG MIN		DEG MIN		DAY MO YR		HR MIN		°C		%		(mb)		*		*		(deg)		(kts)		*		*		(m)					
184		54.26		16.62		N 03		22		7.5		67		08						001		22						50		JBSI			
SBE 9+				FLUOR S/N																										MAX. DEPTH = 39.5 m			
PRESS SN				SBE43-Oxy (prime)																													
PRI TEMP SN				SBE43-Oxy (sec)																													
SEC TEMP SN				Transmissometer																													
PRI COND SN				PAR S/N																													
SEC COND SN																																	
REMARKS																																	