

[illegible]

VESSEL NOAAS Oscar Dyson				CRUISE ID DY1408				PROJECT & LEG BASIS Fall 2014, Legs 1-3				CLAMS HAUL 153				STATION NO. 76							
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)	
21	S	629.79	N	169	00.72	W	05	SEP	14	22	46	12.183	18				1707					104	
SBE 9+				FLUOR S/N				REMARKS MAX. DEPTH = 97 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												
1	Bot				306														1				
2	75				307														2				
3	50				308														3				
4	40				309														4				
5	30				310														5				
6	20				311														6				
7	10				312														7				
8	0				313	*100													8				
9																			9				
10																			10				
11	Underway sel = 469																						11
12																							12

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VESSEL NOAAS Oscar Dyson				CRUISE ID DY1408				PROJECT & LEG BASIS Fall 2014, Legs 1-3				CLAMS HAUL 164				STATION NO. 83														
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)	
445		730.26 N		16801.21 W		06 Sep		2203		12.1		92.		14			124	19					71							
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												No.							
1	Bot			*159	328	*150																	1							
2	50				329																		2							
3	40				330																		3							
4	30				331																		4							
5	20				332																		5							
6	10				333																		6							
7	0				334																		7							
8																							8							
9																							9							
10																							10							
11																							11							
12																							12							

VESSEL				CRUISE ID				PROJECT & LEG				STATION NO.																					
NOAAS Oscar Dyson				DY1408				BASIS Fall 2014, Legs 1-3				CLAMS HAUL # 168																					
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)											
45		58	00.51	N	16	75	9	20	07	S	E	P	1	4	01	20	12	28	4	10	10	09	12	3					68				
SBE 9+				FLUOR S/N				REMARKS										MAX. DEPTH = 62															
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	Bot				335					3						1																	
2	50				336											2																	
3	40				337											3																	
4	30				338											4																	
5	20				339											5																	
6	10				340											6																	
7	0				341	161										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, Legs 1-3				171				88																	
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)			
465800		.18 N		16659.75 W		07 SEP 14		145712		.595		.06								118		25								64			
SBE 9+				FLUOR S/N				REMARKS																MAX. DEPTH = 58									
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						342		* 168														1									
2		50						343																2									
3		40						344																3									
4		30						345																4									
5		20						346																5									
6		10						347																6									
7		0				*160		348												Bottle broken on recovery. Still sample.				7									
8																				xSub+Chl				8									
9																								9									
10																								10									
11																								11									
12																								12									

VESSEL NOAAS Oscar Dyson				CRUISE ID DY1408				PROJECT & LEG BASIS Fall 2014, Legs 1-3				CLAMS HAUL # <u>175</u>				STATION NO. <u>90</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)				
	47	53	30	N	16	7	01	30	W	07	S	E	P	1	4	21	45	11	.8	99	.05			46		
SBE 9+				FLUOR S/N				REMARKS <u>Very rough seas, playing it safe</u>															MAX. DEPTH = <u>34</u> r			
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-l		>10	dup			Comments		Nis										
No.	DESIRED			SALT	Nut.Btl	O2-Btl.No										No.										
1	Bot				349											1										
2	30				350											2										
3	20				351											3										
4	10				352											4										
5	0				353	172								Not sure if I sampled O ₂ on right Niskin		5										
6																6										
7																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, Legs 1-3				178				91																	
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)			
048		58 30.43 N		167 59.92 W		08 SEP 14		02 35		12.2		99.0		1002.3						124		17						59					
SBE 9+				FLUOR S/N				REMARKS																				MAX. DEPTH = 45					
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	30			161	354	*175													1														
2	40				355														2														
3	30				356														3														
4	20				357														4														
5	10				358														5														
6	0				359														6														
7																			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, Legs 1-3				CLAMS HAUL # 184				STATION NO. 94							
CONSC CAST #	LATITUDE			LONGITUDE			DATE			TIME (GMT)		DRY BULB	Relative Humidity	PRESSURE	SEA STATE	VISIBILITY	WIND DIRN.	WIND SPD.	CLOUD (amt)	TYPE	WEATHER	BOTTOM DEPTH	STA. NAME/ID
	DEG	MIN		DEG	MIN		DAY	MO	YR	HR	MIN	(°C)	(°C)	(mb)	*	*	(deg)	(kts)	*	*	*	(m)	
	050	58.29	.56 N	169	00.32	W	08	S	E	P	14	20	41	11.8	92.	97		16	7	23		65	
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 = 59											
Nis	DEPTH	Rosette Notes				Hydro Team-PMEL										Comments			Nis				
No.	DESIRED					SALT	Nut.Btl	O2-Btl.No				Chloro-I	>10	dup				No.					
1	Bot						367	x215										1					
2	50						368											2					
3	40						369											3					
4	30						370											4					
5	20						371											5					
6	10						372											6					
7	0					162	373											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, Legs 1-3				190				96										
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)					
051		58	59.98	N	168	58	51	W	09	S	E	P	1	4	0513	11	.4	99	.0	996			153	21	52	
SBE 9+				FLUOR S/N		REMARKS																		MAX. DEPTH =		
PRESS SN				SBE43-Oxy (prime)		Failed to trip surface bottle																		45		
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	Bot				374	220											1									
2	40				375												2									
3	30				376												3									
4	20				377												4									
5	10				378												5									
6	0				379		Not Tripped										6									
7																	7									
8																	8									
9																	9									
10																	10									
11																	11									
12																	12									

VESSEL			CRUISE ID			PROJECT & LEG						STATION NO.											
NOAAS Oscar Dyson			DY1408			BASIS Fall 2014, Legs 1-3						CLAMS HAUL # 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)		
052		58	30.33 N	16	9	59	.34 W	09	S	E	P	1	4	150	0	11	.399	96			71	97	
SBE 9+				FLUOR S/N		REMARKS																MAX. DEPTH = 66	
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			163	379														1				
2	50				380														2				
3	40				381														3				
4	30				382														4				
5	20				383														5				
6	10				384														6				
7	0				385	241													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, Legs 1-3				CLAMS HAUL # <u>198</u>				STATION NO. <u>100</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)		
054	59	30.1	4 N	16	9	57.9	10	S	E	P	1	4	06	22	10.5	99.0	1000						62	
SBE 9+				FLUOR S/N				REMARKS MAX. DEPTH = <u>57</u> r																
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				393												1							
2	50				394												2							
3	40				395												3							
4	30				396												4							
5	20				397												5							
6	10				398												6							
7	0			164	399	265											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, Legs 1-3						204				103											
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)							
056		58	59	.88	N	17	10	59	.64	W	10	S	E	P	1	4	20	30	/	1	.6	99	.	62	18	4	15	78	
SBE 9+				FLUOR S/N				REMARKS MAX. DEPTH = 74																					
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				407														1										
2	50				408														2										
3	40				409														3										
4	30				410														4										
5	20				411														5										
6	10				412														6										
7	0				413	279													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, Legs 1-3			207			104												
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)				
057	28	30.12	N	170	59.98	W	11	S	E	P	1	4	00	45	11	.794	.01			149	19	83		
SBE 9+ _____ FLUOR S/N _____																					REMARKS		MAX. DEPTH = 80	
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			165	414	280										1								
2	50				415											2								
3	40				416											3								
4	30				417											4								
5	20				418											5								
6	10				419											6								
7	0				420											7								
8																8								
9																9								
10																10								
11																11								
12																12								

[illegible]

VESSEL NOAAS Oscar Dyson				CRUISE ID DY1408				PROJECT & LEG BASIS Fall 2014, Legs 1-3				CLAMS HAUL # <u>214</u>				STATION NO. <u>109</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)		
059	S	800.04	N	17	159.65	W	11	SEP	14	20	58	11.8	82	98			180	12				103		
SBE 9+				FLUOR S/N				REMARKS															MAX. DEPTH = <u>99</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 No.	DEPTH DESIRED	Rosette Notes		Hydro Team-PMEL				Chloro-I	>10	dup			Comments		Nis No.									
			SALT	Nut.Btl	O2-Btl.No																			
1	Bot			429	282										1									
2	75			430											2									
3	50			431											3									
4	40			432											4									
5	30			433											5									
6	20			434											6									
7	10			435											7									
8	0			436											8									
9															9									
10															10									
11															11									
12															12									

[illegible]

VESSEL NOAAS Oscar Dyson				CRUISE ID DY1408				PROJECT & LEG BASIS Fall 2014, Legs 1-3				CLAMS HAUL #				STATION NO. 114										
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)				
061	58	00	.12 N	170	00	.32 W	12	S	E	P	14	14	56	11	.2	100	73					74				
SBE 9+				FLUOR S/N				REMARKS 2° Sal off for upcast - Jelly? Underway sys off due to air binding															MAX. DEPTH = 67			
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				445	284													1							
2	50				446														2							
3	40				447														3							
4	30				448														4							
5	20				449														5							
6	10				450														6							
7	0				451														7							
8																			8							
9																			9							
10																			10							
11																			11							
12																			12							

VESSEL NOAAS Oscar Dyson				CRUISE ID DY1408				PROJECT & LEG BASIS Fall 2014, Legs 1-3				CLAMS HAUL # 225				STATION NO. 115									
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)			
062	57	00	.35 N	16	19	59	79	W	14	S	E	P	14	20	06	10	.8	92	99			151	2	66	
SBE 9+				FLUOR S/N				REMARKS Thermocline mostly gone ~43 meter 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	DEPTH	Rosette Notes		Hydro Team-PMEL										Comments			Nis								
No.	DESIRED			SALT	Nut.Btl	O2-Btl.No				Chloro-I	>10	dup				No.									
1	Bot				452											1									
2	50				453											2									
3	40				454											3									
4	30				455											4									
5	00				456											5									
6	10				457											6									
7	0			2	458	285										7									
8																8									
9																9									
10																10									
11																11									
12																12									

VESSEL NOAAS Oscar Dyson				CRUISE ID DY1408				PROJECT & LEG BASIS Fall 2014, Legs 1-3				CLAMS HAUL # 232				STATION NO. 118							
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)	
063	57	29	.69 N	170	00	.10 W	15	S	E	P	1	4	05	23	10	.2	93	1000				068	
SBE 9+				FLUOR S/N				REMARKS MAX. DEPTH = 65															
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				459	286									1								
2	50				460										2								
3	40				461										3								
4	30				462										4								
5	20				463										5								
6	10				464										6								
7	0				465										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, Legs 1-3				CLAMS HAUL # 239				STATION NO. 122							
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)	
066	S	700	.00 N	171	39	.90 W	16	S	E	P	14	01	45	9.8	90.	01		16	1			118	
SBE 9+				FLUOR S/N				REMARKS MAX. DEPTH = 114 r															
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				482												1						
2	100				483												2						
3	75				484												3						
4	50				485												4						
5	40				486												5						
6	30				487												6						
7	20				488												7						
8	10				489												8						
9	0			4	490	289											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, Legs 1-3				245				125									
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)			
685630.19		N		17000.84		W	16	S	E	P	14	2045	9.49	41	99			73	1			101			
SBE 9+				FLUOR S/N				REMARKS																MAX. DEPTH = 96	
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			5	500	291													1						
2	75				501														2						
3	50				502														3						
4	40				503														4						
5	30				504														5						
6	20				505														6						
7	10				506														7						
8	0				507														8						
9																			9						
10																			10						
11																			11						
12																			12						

VESSEL NOAAS Oscar Dyson			CRUISE ID DY1408			PROJECT & LEG BASIS Fall 2014, Legs 1-3			CLAMS HAUL # 248			STATION NO. 126									
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)		
069	56	00	07	N	16	9	59	17	S	E	P	1	4	01	02	10	38	9	98	162	1
																			220		
SBE 9+		FLUOR S/N		REMARKS MAX. DEPTH = 219																	
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										Comments			Nis No.					
			SALT	Nut. Bl	O2-Btl. No		Chloro-l	>10	dup												
1	Bot	230		508												1					
2	200			509												2					
3	150			510												3					
4	100			511												4					
5	75			512												5					
6	50			513												6					
7	40			514												7					
8	30			515												8					
9	20			516												9					
10	10			517	292											10					
11	0			518	292											11					
12																12					

Ididnt realize there was only 10 Niskins on Rosette so the 05 no surface sample

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