



VESSEL NOAAS Oscar Dyson		CRUISE ID DY1408		PROJECT & LEG BASIS Fall 2014, Legs 1-3				C13NS Haul 5				STATION NO. 3	
CONCAST #	LATITUDE DEG MIN	LONGITUDE DEG MIN		DATE DAY MO		TIME (GMT) HR MIN		DRY BULB (°C)	Relative Humidity (%)	WATERDEPTH (m)	BOTTOM DEPTH (m)	STA. NAME/ID	
		DEG	MIN	DAY	MO	HR	MIN						
002	25 00.17 N	162 57.87 W		01 AUG 14	09 49 13	386.	21	21	5	86	79		
SBE 9+		FLUOR S/N											
PRESS SN		SBE 4-3-Dry (prime)											
PRI TEMP SN		SBE 4-3-Dry (sec)											
SEC TEMP SN		Transmissometer											
PRI COND SN		PAR S/N											
SEC COND SN													
Ns	DEPTH	Rosette Notes	Hydro Team-PME										
No.	DESIRED		SALT	Nut.Btl	O2-Btl	No.		Chloro-I	T/W	D/P G/F	In line		
1	65		006									1	
2	75		007									2	
3	50		008					X				3	
4	40		009					X				4	
5	30		010					X				5	
6	20		011					X				6	
7	10		012					X				7	
8	0		013					X				8	
9												9	
10												10	
11												11	
12												12	

REMARKS  
*North of station due to long line in vicinity*

FLUOR S/N

SBE 4-3-Dry (prime)

SBE 4-3-Dry (sec)

Transmissometer

PAR S/N

VESSEL NOAAS Oscar Dyson		CRUISE ID DY1408		PROJECT & LEG BASIS Fall 2014, Legs 1-3				CLOTHES Haul 9				STATION NO. 4					
CONSC CAST #	LATITUDE		LONGITUDE		DATE		TIME (GMT)		DRY BULB		WIND		WATER TYPE	CLOUD (feet) (m)	BOTTOM DEPTH (m)	STA. NAME/ID	
	DEG	MIN	DEG	MIN	DAY	MO	HR	MIN	(°C)	(°C)	DIRN.	SPD. (kts)	DIRN. (deg)	VISIBILITY			
000	55	59.92	N	162	01	AUG	14	07	13	12	7	10	.	19	42	4	
SBE 9+																54	
PRESS SN																	
PRI TEMP SN																	
SEC TEMP SN																	
PRI COND SN																	
SEC COND SN																	
REMARKS																	
#3 Battle don't shut completely (30m)																	
FLUOR S/N																	
SBE43-Oxy (prime)																	
SBE43-Oxy (sec)																	
Transmissometer																	
PAR S/N																	
Comments																	
Ns	DEPTH	Rosette Notes		Hydro Team-PMEI		Chloro-I		>10									
No.	DESIRED	SALT		Nut.Bt		02-Btl.No		014		x281		X					
1	30					015				X						1	
2	40					016				X						2	
3	30	filled				017		X		X						3	
4	20					018		X		X						4	
5	10					019		X								5	
6	0	508		019												6	
7																7	
8																8	
9																9	
10																10	
11																11	
12																12	

MAX DEPTH = 49 m

VESSEL NOAAS Oscar Dyson		CRUISE ID DY1408		PROJECT & LEG BASIS Fall 2014, Legs 1-3				CAMS Haul 12				STATION NO. <u>5</u>				
CONSC CAST #	LATITUDE		LONGITUDE		DATE			TIME (GMT)			PRESSURE (mb)	RELATIVE HUMIDITY (%)	WIND DIRN. (deg)	WIND SPD. (kts)	BOTTOM DEPTH (m)	STA. NAME/ID
	DEG	MIN	DEG	MIN	DAY	MO	YR	HR	MIN	SEC						
0 04 15.0	27.4	N	0 27.4	59.3	14	AUG	1	4	14	12	877	9	37	9	74	
SBE 9+			FLUOR S/N													MAX. DEPTH = 68 m
PRESS S/N			SBE43-Oxy (prime)													
FRI TEMP S/N			SBE43-Oxy (sec)													
SEC TEMP S/N			Transmissometer													
FRI COND S/N			PAR S/N													
SEC COND S/N																
Nis	DEPTH	Rosette Notes		Hydro Team/PML				Comments								
No.	DESIR ED	SALT	Nut.Btl	O2-Btl.No	Chloro-l	710	BUP									
1	51m		20													1
2	50		21													2
3	40		22													3
4	30 (elbow)		23													4
5	20		24													5
6	10		25													6
7	0		26	1282												7
8																8
9																9
10																10
11																11
12																12

REMARKS

#3 bottle = bottom silent dock

replaced #3 with #11 bottle for next cast





T = 4.3 @ 6.0 Hz

VESSEL NOAAS Oscar Dyson		CRUISE ID DY1408		PROJECT & LEG BASIS Fall 2014, Legs 1-3				C1AMS HAUL 28				STATION NO. 13							
CONSC CAST #		LATITUDE		LONGITUDE		DATE		TIME (GMT)		DRY BULB		Relative Humidity		WATER		BOTTOM DEPTH		STA. NAME/ID	
		DEG	MIN	DEG	MIN	DAY	MO	HR	MIN	(°C)	(°C)	(mb)	(deg)	WIND DIRN.	SPD.	Cloud (amt)	Wind (kts)	Bottom (m)	
1	18	59	.95	N	16	30	0.	78	w	20	AUG 1 4	14.1	14.5	14.1	86.0	0.22	43	6	62
SBE 9+																			MAX. DEPTH = 57 m
PRESS SN																			
PRI TEMP SN																			
SEC TEMP SN																			
PRI COND SN																			
SEC COND SN																			

VESSEL NOAAS Oscar Dyson		CRUISE ID DY1408		PROJECT & LEG BASIS Fall 2014, Legs 1-3				CLAMSIL/ABK 31				STATION NO. /21/				
CONSC CAST #	LATITUDE		LONGITUDE		DATE			TIME (GMT)			PRESSURE (mb)	WIND DIRN. (deg)	WIND SPD. (kts)	CLOUD (amt)	WEATHER	STA. NAME/ID
	DEG	MIN	DEG	MIN	DAY	MO	YR	HR	MIN	SEC						
0 57 30.05 N	162 59.17 W				21	AUG	14	02	11	13.9				18	3	
SBE 9+																
PRESS SN																
PRI TEMP SN																
SEC TEMP SN																
PRI COND SN																
SEC COND SN																
Nis	DEPTH	Rosette Notes		Hydro Team P-MEL				O2-Btl No			Chloro-I		7/0		Comments	
No.	DESIRED	SALT		Nut.Btl			O2-Btl No									
1	BoT	511		287			53			X						
2	40	52		53			54			X						
3	30	54		55			56			X						
4	20	55		57			57			X						
5	10	56		57			57			X						
6	0	57		57			57			X						
7																
8																
9																
10																
11																
12																



VESSEL NOAA Oscar Dyson		CRUISE ID DY1408		PROJECT & LEG BASIS Fall 2014, Legs 1-3		CLAMS HAUL 39		STATION NO. 19	
CONSC CAST #		LATITUDE DEG MIN		LONGITUDE DEG MIN		DATE DAY MO YR		TIME (GMT) HR MIN	
0 11 52 00 . 0 0 N / 14 00 . 33 W		AUG 1 4		1901 14 . 291 .					
SBE 9+		FLUOR S/N		SBE43-Oxy (prime)		REMARKS			
PRESS SN		SBE43-Oxy (sec)		Transmissometer					
PRI TEMP SN									
SEC TEMP SN									
PRI COND SN									
SEC COND SN									
Ns	DEPTH	Rosette Notes		Hydro Team-PME		Comments		Ns	
No.	DESIRED	SALT		Nut.Btl	02-Btl.No	Chloro-I	DvP	No.	
1	Bot	64		X269				1	
2	50	65				X		2	
3	40	66				X		3	
4	30	67				X		4	
5	20	68				X		5	
6	10	69				X		6	
7	0	70				X		7	
8								8	
9								9	
10								10	
11								11	
12									

T = 3.9 @ bottom

VESSEL NOAA's Oscar Dyson		CRUISE ID DY1408		PROJECT & LEG BASIS Fall 2014, Legs 1-3				STATION NO. 2 /												
CONSC CAST #		LATITUDE DEG MIN		LONGITUDE DEG MIN		DATE DAY MO YR		TIME (GMT) HR MIN		DRY BULB °C		RELATIVE HUMIDITY %								
0	1 25	39	38	61	N	16	59	59	W	22	A U G 1 4	0	03	81	5	12	5	5	8	1
SBE 9+																				
PRESS SN																				
PRI TEMP SN																				
SEC TEMP SN																				
PRI COND SN																				
SEC COND SN																				
NIS	DEPTH	Rosette Notes		Hydro Team-PHEI				Chloro-I				Comments								
No.	DESIRED			SALT	Nut-Btl	02-Btl-No										No.				
1	Bot			71												1				
2	50			72												2				
3	40			73												3				
4	30			74												4				
5	20			75	290											5				
6	10			76												6				
7	0			77												7				
8																8				
9																9				
10																10				
11																11				
12																12				

REMARKS

The sampling is three 15 m max @ 20 - 30 m

5.3 °C @ bottom

VESSEL NOAA'S Oscar Dyson		CRUISE ID DY1408		PROJECT & LEG BASIS Fall 2014, Legs 1-3			CLAMS HAUL 47			STATION NO. 22	
CONSC CAST #		LATITUDE DEG MIN		LONGITUDE DEG MIN		DATE DAY MO YR		TIME (GMT) HR MIN		DRY BULB °C	
0 1 3	55 59	59	14	N	1 01 00	0 0	W	22	A U G 1 4	62	1 14 . 1 87
REMARKS											
SBF 9+ PRESS SN PRI TEMP SN SEC TEMP SN PRI COND SN SEC COND SN											
FLUOR S/N SE/E3-Oxy (prime) SE/E3-Oxy (sec) Transmissometer PAR S/N											
No.	DEPTH	Rosette Notes		Hydro Team/PPEL		Chlor-o-l		>10		Comments	
1	BTM			SALT	Nut-Btl	O2-Btl/No					No.
2	75	FAILED					X				1
3	50						X				2
4	40						X				3
5	30						X				4
6	20						X				5
7	10						X				6
8	0						X				7
9											8
10											9
11											10
12											11
											12
MAX. DEPTH = 87 m											









14 - 3.4

15-35W

VESSEL NOAAS Oscar Dyson		CRUISE ID DY1408		PROJECT & LEG BASIS Fall 2014, Legs 1-3		STATION NO. 30	
CONSC CAST #		LATITUDE		LONGITUDE		DATE	
	DEG	MIN	SEC	DEG	MIN	DAY	MO
0	18	56	29	97	N	16	50
SBE 9+				0	50	23	A
PRESS SN						U	G
PRI TEMP SN						1	4
SEC TEMP SN							
PRI COND SN							
SEC COND SN							
NIS	DEPTH	Rosette Notes		Hydro Team-PMEL		REMARKS	
No.	DESIR	SALT	NUT.BI	O2-BI	No.	Comments	
1	Bot		118				
2	50		119				
3	40		120				
4	30		121				
5	20		122				
6	10		123				
7	0		124	x 102		X	
8							
9							
10							
11	Inline					X	
12							

VESSEL		CRUISE ID DY1408		PROJECT & LEG BASIS Fall 2014, Legs 1-3				CLOM Haul 68				STATION NO. 31							
CONSC CAST #		LATITUDE		LONGITUDE		DATE		TIME (GMT)		DRY BULB		Relative Humidity (%)		WEATHER					
DEG	MIN	DEG	MIN	DAY	MO	HR	MIN	°C	%	(°F)	(°R)	WIND DIRN.	SPD. (kts)	CLOUD (amt)	DEPTH (m)	STA. NAME/ID			
19	57	00	14	N	165	00	.85	W	24	A	U	G 1	4	0334	12.7	98.04	97.15	7.2	
SBE 9+		FLUOR S/N														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		Rosette Notes		Hydro Team-PMEI															
Ns	DEPTH																		
No.	DESIRED																		
1	Bot	Locn																	
2	50																		
3	40																		
4	30																		
5	20																		
6	10																		
7	0																		
8																			
9																			
10																			
11																			
12																			

desc. (2)  
 10 min  
 especially when

REMARKS  
 - 2nd sunny day, mess on upcast @ 55m  
 - winch operations @ 10-15m on downcast -  
 - switches from manual to automatic causes  
 a pause in some holes which may be right @ downcast

VESSEL NOAA'S Oscar Dyson		CRUISE ID DY1408		PROJECT & LEG BASIS Fall 2014, Legs 1-3				CAMS WAOZ 23				STATION NO. 34													
CONSC CAST #		LATITUDE		LONGITUDE		DATE		TIME (GMT)		DRY BULB		Relative Humidity		WEATHER											
		DEG	MIN	DEG	MIN	DAY	MO	HR	MIN	(°C)	(°C)	SEA STATE	PRESSURE	WIND DIRN.	WIND SPD.	CLLOUD (amt)	TYPE	WIND DIRN.	WIND SPD.	CLLOUD (amt)	TYPE	STA. NAME/ID			
0	20	57	30	.09	N	16	45	9	12	14	16	00	00	23	0	20	12	05	12	0	12	05	12		
SSE 9+																									
PRESS SN																									
PRI TEMP SN																									
SEC TEMP SN																									
PRI COND SN																									
SEC COND SN																									



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$$B_{\text{eff}} T = 3.0$$

$$S_{\text{sur}} = 13.9$$

VESSEL NOAAS Oscar Dyson		CRUISE ID DY1408		PROJECT & LEG BASIS Fall 2014, Legs 1-3				STATION NO. 42												
CONSC CAST #		LATITUDE		LONGITUDE		DATE		TIME (GMT)		DRY BULB (°C)		RELATIVE HUMIDITY (%)		PRESSURE (mb)	SEA STATE	WIND DIRN. (deg)	WIND SPD. (kts)	WEATHER	BOTTOM DEPTH (m)	STA. NAME/ID
DEG	MIN	DEG	MIN	DAY	MO	YR	HR	MIN	DRY BULB (°C)	RELATIVE HUMIDITY (%)	PRESSURE (mb)	SEA STATE	WIND DIRN. (deg)	WIND SPD. (kts)	WEATHER	BOTTOM DEPTH (m)	STA. NAME/ID			
023	57	29	.91	N	165	59	58	W	144	12.8	91.0	07	31021	67	*	65	m			
SBE 9+																				
PRESS SN																				
PRI TEMP SN																				
SEC TEMP SN																				
PRI COND SN																				
SEC COND SN																				
NIS	DEPTH	Rosette Notes		Hydro Team-PMEL		Chloro-I		Dop		Comments										
No.	DESIRED	SALT		02-Btl No		Chloro-I		Dop		Comments										
1	BTM	151		212																
2	50	152						X												
3	40	153				X														
4	30	154				X														
5	20	155				X		X												
6	10	156				X		X												
7	0	157				X														
8		158				X														
9																				
10																				
11																				
12																				

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STATION NO.

Claims History 88

PROJECT & LEG  
BASIS Fall 2011 1 sec 1-



VESSEL NOAA's Oscar Dyson		CRUISE ID DY1408		PROJECT & LEG BASIS Fall 2014, Legs 1-3		DATE DAY MO YR		TIME (GMT) HR MIN		DRY BULB (°C)		Relative Humidity (%)		PRESSURE (mb)		WIND DIRN. (deg)		WEATHER (gmt)		BOTTOM DEPTH (m)		STA. NAME/ID	
CONSC CAST #	LATITUDE DEG MIN	LONGITUDE DEG MIN																					
0 26 54	S 00 00	34 N	16	55	17	41	w	26	A U G 1 4	14	11	48	94	17	13	20.5	9	11	14				
SBE 9+			FLUOR S/N																				
PRESS SN			SBE43-Dry (prime)																				
PRI TEMP SN			SBE43-Dry (sec)																				
SEC TEMP SN			Transmissometer																				
PRI COND SN			PARTS S/N																				
SEC COND SN																							
REMARKS																							
MAX DEPTH = 109 m																							
NIS	DEPTH	Rosette Notes		Hydro Team-PMEI		Chloro-I		710		710		Comments		NIS		No.		No.		NIS			
No.	DESIRED	SALT	Nut.Bti	02-Bti,No																			
1	BTH			172																			
2	100			173																			
3	75			174																			
4	50			175																			
5	40			176																			
6	30			177																			
7	20			178																			
8	10			179																			
9	0			180																			
10																							
11																							
12																							

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CHANNELED AVAL 27

BASIS Fall 2014, Legs 1-3

STATION NO.

VESSEL NOAAS Oscar Dyson		PROJECT & LEG BASIS Fall 2014, Legs 1-3		STATION NO. 51	
CRUISE ID DY1408		LATITUDE DEG MIN		LONGITUDE DEG MIN	
CONSC CAST #				DAY	MO YR
024	5530	05 N	1600	49	W 2014
SBE 9+					
PRESS SN					
PRI TEMP SN					
SEC TEMP SN					
PRI COND SN					
SEC COND SN					
NIS	DEPTH	Rosette Notes		Hydro Team-PMEI	
No.	DESIRED	SALT	Nut.Bi	O2-Bi, No	Chloro-I
1	Bottom			161	1233
2	100			182	
3	75			183	
4	50			184	
5	40			185	
6	30			186	
7	20			187	
8	10			188	
9	0			189	
10					
11					
12					
REMARKS					
FLUOR S/N					
SBE43-Oxy (prime)					
SBE43-Oxy (sec)					
Transmissometer					
PAR S/N					
NIS		Rosette Notes		Comments	
No.	Desired	Salt	Nut.Bi	O2-Bi, No	Chloro-I
1	Bottom			161	1233
2	100			182	
3	75			183	
4	50			184	
5	40			185	
6	30			186	
7	20			187	
8	10			188	
9	0			189	
10					
11					
12					
PRESSURE					
SEA STATE					
VISIBILITY					
WIND DDIRN. SPD.					
WIND DIRN. (deg)					
WIND DIRN. (hrs)					
CLOUD (amt)					
CLOUD (kts)					
WEATHER					
TYPE					
MAX. DEPTH =		172 m			
STA. NAME/ID					

VESSEL NOAAS Oscar Dyson		CRUISE ID DY1408		PROJECT & LEG BASIS Fall 2014, Legs 1-3				CAMS NAI 105				STATION NO. 52									
CONSC CAST #	LATITUDE DEG MIN	LONGITUDE DEG MIN		DATE DAY MO YR		TIME (GMT) HR MIN		DRY BULB ('C)		Relative Humidity (%)		PRESSURE (mb)	SEA STATE VISIBILITY (%)	WEATHER SPD. (kts)	WIND DIRN. (deg)	WIND SPD. (kts)	CLOUD (amt)	WIND DIRN.	WIND SPD. (m/s)	BOTTOM DEPTH (m)	STA. NAME/ID
0 2 8	55 0 0.0	0 8 N	1 6 5 5 9 .	9 1	w	7	A U G 1 4	0 8	1 1 1 0	4 9 9	0 9	1010	•	•	•	•	•	•	1 3 7		
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/PMEI		SALT		Nut-Btl	02-Btl-No		Chloro-I		10		Comments		Nis		No.			
No.	DESIRED																				
1	80								190												1
2	100								191												2
3	75								192												3
4	50								193												4
5	40								194												5
6	30								195												6
7	20								196												7
8	10								197												8
9	0								198												9
10																					10
11																					11
12																					12

REMARKS  
 @ Depth near bottom hit around 90m on upcast  
 ~133.4 for bottom set  
 - Primary salinity weekly to 40m on upcast

- Ocean-Wire spooling problem delayed launch



VESSEL NOAAS Oscar Dyson		CRUISE ID DY1408		PROJECT & LEG BASIS Fall 2014, Legs 1-3				CLAMS Haul 112				STATION NO. 55									
CONSC CAST #	LATITUDE		LONGITUDE		DATE		TIME (GMT)		DRY BULB		RELATIVE HUMIDITY		SEA STATE (mb)	PRESSURE (mb)	VISIBILITY (m)	WIND DURN. (deg)	WIND SPD. (kts)	CLOUD (amt)	WEATHER	BOTTOM DEPTH (m)	STA. NAME/ID
	DEG	MIN	DEG	MIN	DAY	MO	HR	MIN	DRY	BULB	RELATIVE	HUMIDITY									
0 30 55	29 . 97 N	166 59 . 25 W	07 A U G 1 4	20 32 12 . 09 8 . 05	27 9 18	27 9 17	13 17														
SBE 9+																					
PRESS SN																					
PRI TEMP SN																					
SEC TEMP SN																					
PRI COND SN																					
SEC COND SN																					
REMARKS Very interesting C <sub>org</sub> , E <sub>1</sub> , turbidity profiles																					
NIS	DEPTH	Rosette Notes		Hydro Team-PMEI				Chloro-4				Comments				Comments				Comments	
No.	DESIRED	SALT		NUT.BI		O2-BI, No.															
1	80t	208		209		210		211		212		213		214		215		216		217	
2	100	208		209		210		211		212		213		214		215		216		217	
3	75	208		209		210		211		212		213		214		215		216		217	
4	50	208		209		210		211		212		213		214		215		216		217	
5	40	208		209		210		211		212		213		214		215		216		217	
6	30	208		209		210		211		212		213		214		215		216		217	
7	20	208		209		210		211		212		213		214		215		216		217	
8	10	208		209		210		211		212		213		214		215		216		217	
9	0	208		209		210		211		212		213		214		215		216		217	
10		208		209		210		211		212		213		214		215		216		217	
11		208		209		210		211		212		213		214		215		216		217	
12		208		209		210		211		212		213		214		215		216		217	

VESSEL NOAAS Oscar Dyson		CRUISE ID DY1408		PROJECT & LEG BASIS Fall 2014, Legs 1-3		STATION NO. 59								
CONSC CAST #	LATITUDE		LONGITUDE		DATE		TIME (GMT)	DRY BULB (°C)	REL HUMIDITY (%)	WIND DIRN. (deg)	WIND SPD. (kts)	WEATHER CLOUD (gmt)	BOTTOM DEPTH (m)	STA. NAME/ID
	DEG	MIN	DEG	MIN	DAY	MO								
21 55 59	.66 N	166 59	.45 W	28 A	UG 1 4	14 55	11 .78	7	13	34106	135			
SBE 9+							FLUOR S/N		REMARKS				MAX DEPTH = 126 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														
N	DEPTH	ROSETTE NOTES		HYDRO TEAM/PMBL.		CHLORO-I		COMMENTS		NIS				
No.	DESIRED			SALT	NUT.BTL	02-BTL/NO				No.				
1	Bot					017	016			1				
2	100					018				2				
3	75					019				3				
4	50					020				4				
5	40					021				5				
6	30					022				6				
7	20					023				7				
8	10					024				8				
9	0					025				9				
10										10				
11										11				
12										12				



VESSEL NOAAS Oscar Dyson		CRUISE ID DY1408		PROJECT & LEG BASIS Fall 2014, Legs 1-3		CHAMS Haul 125		STATION NO. 62					
CONSC CAST #	LATITUDE DEG MIN	LONGITUDE DEG MIN	DATE DAY MO YR	TIME (GMT) HR MIN	DRY BULB °C	Relative Humidity %	PRESSURE (mb)	SEA STATE VISIBILITY (m)	WEATHER TYPE (kts)	WIND DUR. (deg)	WIND SPD. (m/s)	BOTTOM DEPTH (m)	STA. NAME/ID
0335659.83 N	16659.28 W	29 AUG 14	014712.578	18	13	100	1008	74					
SBE 9+													
PRESS SN		FLUOR S/N											
PRI TEMP SN		SBE43-Oxy (prime)											
SEC TEMP SN		SBE43-Oxy (sec)											
PRI COND SN		Transmissometer											
SEC COND SN		PAR S/N											
<b>REMARKS</b>													
Very high C1 max @ 25 m on way down, Sampling 25m													
NIS No.	DEPTH Desired	Rosette Notes	Hydro Team-PTEL		SALT	NUT.BI	O2-BI	Chloro-I	710				Comments
1	Best				234								
2	50		153	235	037			X					
3	40			236				X					
4	30		237					X					
5	25		238					X					
6	20		239					X					
7	10		240					X					
8	0		241					X					
9													
10													
11													
12													

*bottom cap did not close*



VESSEL NOAAS Oscar Dyson		CRUISE ID DY1408		PROJECT & LEG BASIS Fall 2014, Legs 1-3		CLAMS HPU L 133		STATION NO. 67										
CONSC CAST #	LATITUDE		LONGITUDE		TIME (GMT)		DRY BULB (°C)	RELATIVE HUMIDITY (%)	SEA STATE (mb)	PRESSURE (mb)	VISIBILITY (m)	WEATHER CODE	WIND DURN. (deg)	WIND SPD. (kts)	WIND DURN. (deg)	WIND SPD. (kts)	WATER DEPTH (m)	STA. NAME/ID
	DEG	MIN	DEG	MIN	DAY	MO	HR	MIN										
0 35 50.59	59.91	N	168 00.15	W	19	AUG	14	59.2	67	139	6	80	74	m	MAX. DEPTH =	74	m	
SBE 8+			FLUOR S/N															
PRESS SN			SBE43-Oxy (prime)															
PRI TEMP SN			SBE43-Oxy (sec)															
SEC TEMP SN																		
PRI COND SN			Transmissometer															
SEC COND SN			PAR S/N															
REMARKS																		
NIS	DEPTH	Rosette Notes		Hydro Team-PMEI		O2-Btl No		Chloro-I	710	DUP								
No.	DESIRED	SALT		O2-Btl No												Comments		
1	Bot	249		107												No.		
2	50	250		251												1		
3	40	252		253												2		
4	30	254		255												3		
5	20	256		257												4		
6	10	258		259												5		
7	0	260		261												6		
8		Inline 462														7		
9																8		
10																9		
11																10		
12																11		

VESSEL NOAAS Oscar Dyson		CRUISE ID DY1408		PROJECT & LEG BASIS Fall 2014, Legs 1-3		CLAMS HULL 136		STATION NO. 68	
CONSC CAST #		LATITUDE DEG MIN		LONGITUDE DEG MIN		DATE DAY MO YR		TIME (GMT) DRY BULB (°C)	
SBE 9+	108 54	30.18	N	108 00	00.82	W	30 A	03 02	11.7 15.
PRESS SN									
PRI TEMP SN									
SEC TEMP SN									
PRI COND SN									
SEC COND SN									
NIS	DEPTH	Rosette Notes		Hydro Team-PMEI		Comments		NIS	
No.	DESIRED	SALT	Nut.Btl	O2-Btl.No	Chloro-I			No.	
1	804		256	210				1	
2	100		257					2	
3	75		258					3	
4	50		259					4	
5	40		260					5	
6	30		261					6	
7	20		262		X	X		7	
8	10		263					8	
9	0		264	118				9	
10								10	
11								11	
12								12	
REMARKS									
FLUOR S/N SBE43-Oxy (prime) SBE43-Oxy (sec) Transmissometer PAR S/N									
MAX DEPTH = 113 m									





