

VESSEL		CRUISE ID		PROJECT & LEG		STATION NO.	
NOAAS Oscar Dyson		DY1408		BASIS Fall 2014, Legs 1-3		001	
CONSC CAST #		LATITUDE		LONGITUDE		DATE	
DEG MIN		DEG MIN		DAY MO YR		TIME (GMT)	
0015530.25 N		16259.92 W		18 AUG 14		1805	
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		TURB - FLUORID 2057					
DEPTH		SALT		Nut.Btl		O2-Btl No	
DESIRED		507		01		279	
1	Bot						
2	30			02			
3	20			03			
4	10			04			
5	0			05			
6							
7							
8							
9							
10							
11							
12							

[illegible]

VESSEL		PROJECT & LEG		STATION NO.	
NOAAS Oscar Dyson		BASIS Fall 2014, Legs 1-3		4	
CRUISE ID		DATE		CLAMS HAUL 9	
DY1408		19 AUG 14			
LATITUDE		LONGITUDE		TIME (GMT)	
55° 59' 9.2" N		015° 15' 19" W		0713	
DEG MIN		DEG MIN		HR MIN	
55 59 9.2		15 15 19		07 13	
CONSC CAST #		FLUOR S/N		REMARKS	
003				#2 Bottle didn't shut completely (gone)	
SBE 9+		SBE43-Oxy (prime)			
PRESS SN		SBE43-Oxy (sec)			
PRI TEMP SN		Transmissometer			
SEC TEMP SN		PAR S/N			
PRI COND SN					
SEC COND SN					
DEPTH		Hydro Team-PMEL		Comments	
DESIRED		SALT		Chloro-I	
1		014 x281		X	
2		015		X	
3		016		X	
4		017		X	
5		018		X	
6		019		X	
7		508			
8					
9					
10					
11					
12					

[illegible]

[illegible]

[illegible]

[illegible]

VESSEL			PROJECT & LEG			STATION NO.		
NOAAS Oscar Dyson			BASIS Fall 2014, Legs 1-3			CIAMS HAUL 28		
CRUISE ID			DATE			TIME (GMT)		
DY1408			DAY MO YR			HR MIN		
LATITUDE			LONGITUDE			SEA STATE		
DEG MIN			DEG MIN			VISIBILITY		
16300.78			214514.1			43 6		
N 95			W 78			43 6		
CONSC CAST #			FLUOR S/N			Relative Humidity (°C)		
SBE 9+			SBE43-Oxy (prime)			186.022		
PRESS SN			SBE43-Oxy (sec)			10 m/min to 23 meters		
PRI TEMP SN			Transmissometer					
SEC TEMP SN			PAR S/N					
PRI COND SN			SEC COND SN					
DEPTH DESIRED			Hydro Team-PWEL			Comments		
Nis No.			SALT			Chloro-l		
1 Bot			45			710 Durple		
2 50			46			X		
3 40			47			X		
4 30			48			X		
5 20			49			X		
6 10			50			X		
7 0			51			X		
8								
9								
10 Inline			184			X		
11								
12								

[illegible]

VESSEL		CRUISE ID		PROJECT & LEG		STATION NO.													
NOAAS Oscar Dyson		DY1408		BASIS Fall 2014, Legs 1-3		CLAMS HAUL 39 19													
CONC CAST #	DEG	MIN	LATITUDE	DEG	MIN	LONGITUDE	DATE	TIME (GMT)	DRY BULB (°C)	Relative Humidity (°C)	PRESSURE (mb)	SEA STATE	VISIBILITY	WIND DIRN. (deg)	WIND SPD. (kts)	CLOUD (amt)	WEATHER TYPE	BOTTOM DEPTH (m)	STA. NAME/ID
0115700	16	40	00 N	16	40	00 W	21 AUG 14	1901	14.29	1.29	20			113	8			68	
REMARKS																			
FLUOR S/N																			
SBE43-Oxy (prime)																			
SBE43-Oxy (sec)																			
Transmissometer																			
PAR S/N																			
SEC COND S/N																			
NIS No.	DEPTH DESIRED	Rosette Notes	SALT	Nuc.Btl	O2-BTL No	Chloro-l	Comments		NIS No.										
1	Bot			64	x289		710 Dup		1										
2	50			65		X			2										
3	40			66		X			3										
4	30			67		X			4										
5	20			68		X			5										
6	10	FAILED		69					6										
7	0		x512	70		X			7										
8									8										
9									9										
10									10										
11	Inline		185			X			11										
12									12										

Bottom Cap hung up

[illegible]

VESSEL	CRUISE ID	PROJECT & LEG	STATION NO.													
NOAAS Oscar Dyson	DY1408	BASIS Fall 2014, Legs 1-3	CLAMS HAUL 47 22													
CONC CAST #	LATITUDE DEG MIN	LONGITUDE DEG MIN W	DATE DAY MO YR	TIME (GMT) HR MIN	DRY BULB (°C)	Relative Humidity (%)	PRESSURE (mb)	SEA STATE	VISIBILITY	WIND DIRLN (deg)	WIND SPD. (kts)	CLOUD (amt)	TYPE	WEATHER	BOTTOM DEPTH (m)	STA. NAME/ID
013	55 59 . 94 N	164 00 . 00 W	22 AUG 14	0621	14.1	87	19			87	5		*	*	91	
SBE 9+	REMARKS MAX DEPTH = 87 m															
PRESS SN																
PRI TEMP SN																
SEC TEMP SN																
PRI COND SN																
SEC COND SN																
Nis No.	DEPTH DESIRED	Rosette Notes	SALT	Hydro Temp-PMEL Nut Brl O2-Brl No	Chloro-I	Comments										
1	BTM	x 143	78	x 291	X	Dient Fine										
2	75	Failed	79		X											
3	SD		80		X											
4	40		81		X											
5	30		82		X											
6	20		83		X	chlor max										
7	10		84		X											
8	0		85		X											
9																
10																
11																
12																

VESSEL		CRUISE ID		PROJECT & LEG		STATION NO.												
NOAAS Oscar Dyson		DY1408		BASIS Fall 2014, Legs 1-3		CLAMS HAUL 56 23												
CONSC CAST #	LATITUDE		LONGITUDE		DATE		TIME (GMT)	DRY BULB	Relative Humidity	PRESSURE	SEA STATE	VISIBILITY	WIND DIRN	WIND SPD.	CLOUD (amt)	WEATHER TYPE	BOTTOM DEPTH	STA. NAME/ID
DEG	MIN	DEG	MIN	DAY	MO	YR	HR	MIN	(°C)	(%)	(mb)		(deg)	(kts)			(m)	
014	53	0.13	N	16	40	0.65	W	22	A	U	6	1	4	13	19		94	
REMARKS																		
SBE 9+																		
PRESS SN																		
PRI TEMP SN																		
SEC TEMP SN																		
Transmissometer																		
PAR S/N																		
SEC COND SN																		
FLUOR S/N																		
SBE43-Oxy (prime)																		
SBE43-Oxy (sec)																		
MAX DEPTH = 91 m																		

Nis		Rosette Notes		Hydro Tearn-PMEL		Comments	
No.	DEPT	DESIRED	SALT	Nut.Btl	O2-Btl No	Chloro-I	No.
1	BTM			86			1
2	75			87			2
3	50			88			3
4	40			89			4
5	30			90			5
6	20			91			6
7	10			92			7
8	0			93	x292		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		CIAMS Haul 53 24	
CONSC CAST #	LATITUDE		LONGITUDE		DATE		
	DEG	MIN	DEG	MIN	DAY	MO	YR
0155500.04	N	04	16500.06	W	22	AUG	14
TIME (GMT) HR MIN 2 12 0							
DRY BULB (°C) 12.7 RELATIVE HUMIDITY (%) 78.4 PRESSURE (mb) 18 WIND DIR (deg) 142 WIND SPD (kts) 15 VISIBILITY * SEA STATE * WEATHER * BOTTOM DEPTH (m) 104 STA. NAME/ID							
REMARKS Not much of a thermocline here 45 meters - 2 Sal + 02 Whacko, T-OK							
MAX DEPTH = 99 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							
Hydro Team-PMEL SALT Nut.Bti O2-Bti No							
Nis No.	Rosette Notes		SALT		Nut.Bti		O2-Bti No
1	Bot				94		210
2	75				95		
3	50				96		
4	40				97		
5	30				98		
6	20				99		
7	10				100		
8	0				101		293
9							
10							
11	Inline				186		
12							

VESSEL		CRUISE ID		PROJECT & LEG		STATION NO.																
NOAAS Oscar Dyson		DY1408		BASIS Fall 2014, Legs 1-3		CLAMS HAUL 56 25																
CONSC CAST #	DEG	MIN	LATITUDE	DEG	MIN	LONGITUDE	DATE	TIME (GMT)	HR	MIN	YR	MO	DAY	SEA STATE	VISIBILITY	WIND DIRN (deg)	WIND SPD (kts)	CLOUD (amt)	TYPE	WEATHER	BOTTOM DEPTH (m)	STA. NAME/ID
0165529	96	N	16500.60	23	W	23	AUG	14	01	48	13	09	00	16	146	3					107	8AM
												REMARKS										
SBE 9+												MAX. DEPTH = 103 m										
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		Rosette Notes		Hydro Team-PMEL		Chloro-l		Comments		Nis	
No.	DEPTH DESIRED	SALT	Nut.Bd	O2-Bd	No.	Chloro-l	Comments	No.	Comments	No.	
1	Bot		102					1			
2	75		103					2			
3	50		104					3			
4	40		105					4			
5	30		106					5			
6	20		107					6			
7	10		108					7			
8	0		109	x294				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 661 28	
CONC CAST #	LATITUDE		LONGITUDE		DATE		TIME (GMT)
017555	9.95 N	165.00 W	23	AUG	14	39	12
SBE 9+	FLUOR S/N		SBE43-Oxy (prime)		SBE43-Oxy (sec)		Transmissometer
PRESS SN	PAR S/N		SBE43-Oxy (sec)		Transmissometer		PAR S/N
PRI TEMP SN	SEC TEMP SN		PRI COND SN		SEC COND SN		
REMARKS							
MAX. DEPTH = 92 m							
WIND DIRN (deg) WIND SPD (kts) CLOUD (amt) WEATHER TYPE BOTTOM DEPTH (m) STA. NAME/ID							
77 12 96							
RELATIVE HUMIDITY (°C) DRY BULB (°C) PRESSURE (mb) SEA STATE VISIBILITY							
29.4 10							
CHLOROPHYLL TEMP SALT NUC.BI O2-BI.No							
710 DUP							
1 2 3 4 5 6 7 8 9 10 11 12							
1 2 3 4 5 6 7 8 9 10 11 12							

[illegible]

VESSEL		CRUISE ID		PROJECT & LEG		STATION NO.												
NOAAS Oscar Dyson		DY1408		BASIS Fall 2014, Legs 1-3		CLAM NAUL 68 31												
CONSC CAST #	LATITUDE	LONGITUDE		DATE		TIME (GMT)	DRY BULB	Relative Humidity	PRESSURE	SEA STATE	VISIBILITY	WIND DIRN	WIND SPD	CLOUD (amt)	WEATHER	BOTTOM DEPTH	STA. NAME/ID	
	DEG MIN	DEG MIN	DEG MIN	DAY	MO	YR	HR MIN	(°C)	(%)	(mb)		(deg)	(kts)			(m)		
0195700.1H	N 16.500.14	W 125.00.85		24	AUG	14	0334	12.7	98	04		97	15			72		
REMARKS																		
- 2nd salinity workiness on upcast @ 55m																		
- winch operations @ 10-15m on downcast -																		
switches from manual to automatic cranes																		
a process sometimes which may be right @ the machine																		
not exactly when desc. @ 10m/min																		
Nis No.	DEPTH DESIRED	Rosette Notes	SALT	Hydro Team-PMEL	Nut.Bd	O2-Btl.No	Chloro-I	Comments										Nis No.
1	Bot 60m				125	127	X											1
2	50				126		X											2
3	40				127		X											3
4	30				128		X											4
5	20				129		X											5
6	10				130		X											6
7	0		146	131			X											7
8																		8
9																		9
10																		10
11																		11
12																		12

[illegible]

[illegible]

[illegible]

[illegible]

[illegible]

VESSEL			CRUISE ID			PROJECT & LEG			STATION NO.			
NOAAS Oscar Dyson			DY1408			BASIS Fall 2014, Legs 1-3			CLAMS HAUL 91			
CONSC CAST			LATITUDE			LONGITUDE			DATE			
#	DEG	MIN	DEG	MIN	DAY	MO	YR	HR	MIN	TIME (GMT)	DRY BULB (°C)	Relative Humidity (°C)
025	33	29	77	N	16	59	88	W	26	AUG	13	076
REMARKS												
FLUOR S/N												
SBE 9+												
PRESS SN												
PRI TEMP SN												
SEC TEMP SN												
Transmissometer												
PAR S/N												
SEC COND SN												
Rosette Notes			Hydro Team-PMEL			Chloro-I			Comments			
NIS	DEPTH	DESIRED	SALT	Nut.BI	O2-BRL.No							
1	Bot	23	149	165	*222							
2	50			166								
3	40			167								
4	30			168								
5	20			169								
6	10			170								
7	0			171								
8												
9												
10												
11												
12												

VESSEL		CRUISE ID		PROJECT & LEG		STATION NO.														
NOAAS Oscar Dyson		DY1408		BASIS Fall 2014, Legs 1-3		CLAMS HAUL 97 48														
CONSC CAST #	DEG	MIN	LATITUDE	DEG	MIN	LONGITUDE	DATE	TIME (GMT)	DRY BULB (°C)	Relative Humidity (°C)	PRESSURE (mb)	SEA STATE	VISIBILITY	WIND DIRN (deg)	WIND SPD. (kts)	CLOUD (amt)	TYPE	WEATHER	BOTTOM DEPTH (m)	STA. NAME/ID
0265600.34	N	16	55	16	55	71	4 AUG 14	1441	11.4	84	17			205	9				114	
SBE 9+	REMARKS																			
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																			

Rosette Notes		Hydro Team-PHEL		Chloro-l		Comments	
DEPTH	DESRED	SALT	Nut.Bri	O2-Bri.No			
1 BTM			172				1
2 100			173				2
3 75			174				3
4 50			175		X		4
5 40			176		X		5
6 30			177		X		6
7 20			178		X		7
8 10			179		X		8
9 0			180	X224	X		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		STATION NO. 130		CLAMS HAUL																																																																																																																																																							
CONSC CAST #	DEG	MIN	LATITUDE	DEG	MIN	LONGITUDE	DATE	TIME (GMT)	DRY BULB	Relative Humidity	PRESSURE	SEA STATE	VISIBILITY	WIND DIRN	WIND SPD	CLOUD (amt)	WEATHER	BOTTOM DEPTH	STA. NAME/ID																																																																																																																																												
0365	30	18	N	108	00	82	30 AUG 14	0302	11.7	95	05			125	10			118																																																																																																																																													
REMARKS																																																																																																																																																															
MAX DEPTH = 113 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 _____																																																																																																																																																															
<table border="1"> <thead> <tr> <th colspan="2">Rosette Notes</th> <th colspan="4">Hydro Team-PMEL</th> <th colspan="2">Chloro-I</th> <th colspan="2">Comments</th> </tr> <tr> <th>Nis No.</th> <th>DEPTH DESIRED</th> <th>SALT</th> <th>Nut.Btl</th> <th>O2-Btl.No</th> <th></th> <th></th> <th></th> <th></th> <th></th> </tr> </thead> <tbody> <tr> <td>1</td> <td>Bot</td> <td></td> <td>256</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td>2</td> <td>100</td> <td></td> <td>257</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td>3</td> <td>75</td> <td></td> <td>258</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td>4</td> <td>50</td> <td></td> <td>259</td> <td></td> <td></td> <td>X</td> <td></td> <td></td> <td></td> </tr> <tr> <td>5</td> <td>40</td> <td></td> <td>260</td> <td></td> <td></td> <td>X</td> <td></td> <td></td> <td></td> </tr> <tr> <td>6</td> <td>30</td> <td></td> <td>261</td> <td></td> <td></td> <td>X</td> <td></td> <td></td> <td></td> </tr> <tr> <td>7</td> <td>20</td> <td></td> <td>262</td> <td></td> <td></td> <td>X</td> <td></td> <td></td> <td></td> </tr> <tr> <td>8</td> <td>10</td> <td></td> <td>263</td> <td></td> <td></td> <td>X</td> <td></td> <td></td> <td></td> </tr> <tr> <td>9</td> <td>0</td> <td></td> <td>264</td> <td>118</td> <td></td> <td>X</td> <td></td> <td></td> <td></td> </tr> <tr> <td>10</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td>11</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td>12</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> </tbody> </table>																				Rosette Notes		Hydro Team-PMEL				Chloro-I		Comments		Nis No.	DEPTH DESIRED	SALT	Nut.Btl	O2-Btl.No						1	Bot		256							2	100		257							3	75		258							4	50		259			X				5	40		260			X				6	30		261			X				7	20		262			X				8	10		263			X				9	0		264	118		X				10										11										12									
Rosette Notes		Hydro Team-PMEL				Chloro-I		Comments																																																																																																																																																							
Nis No.	DEPTH DESIRED	SALT	Nut.Btl	O2-Btl.No																																																																																																																																																											
1	Bot		256																																																																																																																																																												
2	100		257																																																																																																																																																												
3	75		258																																																																																																																																																												
4	50		259			X																																																																																																																																																									
5	40		260			X																																																																																																																																																									
6	30		261			X																																																																																																																																																									
7	20		262			X																																																																																																																																																									
8	10		263			X																																																																																																																																																									
9	0		264	118		X																																																																																																																																																									
10																																																																																																																																																															
11																																																																																																																																																															
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VESSEL NOAAS Oscar Dyson		CRUISE ID DY1408		PROJECT & LEG BASIS Fall 2014, Legs 1-3		STATION NO. 147		74						
CONSC CAST #	LATITUDE	LONGITUDE	DATE	TIME (GMT)	DRY BULB	Relative Humidity	PRESSURE	SEA STATE	WIND DIRLN	WIND SPD.	CLOUD (amt)	WEATHER TYPE	BOTTOM DEPTH	STA. NAME/ID
0395459	29.92 N	00.10 W	31 AUG 14	0131	11.4	88.1	07		67	4			1106	
REMARKS @ 500 on spec 2nd O ₂ diving - large change till 260m MAX DEPTH = 1001 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														
Hydro Team-PMEL Rosette Notes SALT Nut.Btl O2-Btl.No														
Nis No.	DEPTH DESIRED	Comments												
1	Bot													
2	500													
3	250													
4	100													
5	75													
6	50													
7	40													
8	30													
9	20													
10	10													
11	0													
12														