













VESSEL Oscar Dyson CRUISE ID PROJECT & LEG (if needed) CTD FileName (No need if data is live feed) STATION NO. 12

BASIS leg /

CTD002

CTD consec	LATITUDE	LONGITUDE	GMT DATE	(note if not)	GMT Time	Temp (°C)	WET BULB (°C)	PRESSURE (mb)	SEA STATE	VISIBILITY	WIND DIRN. (deg)	WIND SPD. (kts)	CLOUD (amt)	WEATHER	BOTTO M DEPTH (m)	SFA NAME/ID
00758	00.01N	15959.43W	21 Aug	12	1950	9.0		23			211	12			48	12

Sensor IDS (initially & swap-outs) Local Time (AKDT) Pycnocline Depth = 11-14 Depth of FL max = 9 CTD MAX DEPTH = 42

SBE type and S/N 9 11plus - Dyson Weather:

PRESS SN 772 - Dyson

TEMP 1 & 2 SNS 2376 and 4379 - Dyson COMMENT: Difficult conditions, factors that may affect measurements or aid processing

COND 1&2 SNS 2985 and 3127 - Dyson POC

FLUOR SN 759 - EMA

O2 (SBE43) SN 904 and 910 - PMEL

Transmiss SN 1066 - EMA

PAR SN 70103 - EMA

O2 SBE42SN N/A

Nisk # DESIRED

Nisk #	DEPTH DESIRED	Rosette Notes	Hydro Temp	PMEL	Stacked GFF > 10 vol	Stacked dup vol	Unstack GFF vol	Unstack GFF dup vol	Unstack >10 vol	Unstack >10 dup vol	POC 500 ml	Comments or other samples	Nisk #
1	BOT		4	45			250		250				1
2	30			46									2
3	20			47	480	500							3
4	10			48							✓		4
5	0			49									5
6													6
7													7
8													8
9													9
10													10
11													11
12													12























































VESSEL Oscar Dyson CRUISE ID *DY1208* PROJECT & LEG (if needed) BASIS leg *1* CTD FileName (No need if data is live feed) STATION NO. *050*

CTD consec CAST #	LATITUDE		LONGITUDE		GMT DATE	(note if not)	GMT Time		Temp (°C)	WET BULB (°C)	PRESSURE (mb)	SEA STATE	VISIBILITY	WIND DIR (deg)	WIND SPD. (Kts)	CLOUD (amt)	WEATHER TYPE	BOTTO M DEPTH (m)	SIT# NAV/ID
	DEG	MIN	DEG	MIN			DAY	MO											
<i>035</i>	<i>55</i>	<i>30.07N</i>	<i>165</i>	<i>59.410W</i>	<i>29</i>	<i>AUG</i>	<i>12</i>	<i>02</i>	<i>23</i>	<i>10.8</i>								<i>122</i>	<i>050</i>

Sensor IDS (initially & swap-outs) Local Time (AKDT) *1 2* Pycnocline Depth = *mwlf - layer 10* Depth of FL max = *5-25* CTD MAX. DEPTH = *119.2*

SBE type and S/N *9 11plus - Dyson* Weather: *Broken seas 2-4*

PRESS SN *772 - Dyson* COMMENT: *Difficult conditions, factors that may affect measurements or aid processing*

TEMP 1 & 2 S/Ns *2376 and 4379 - Dyson*

COND 1&2 S/Ns *2985 and 3127 - Dyson*

FLUOR SN *759 - EMA*

O2 (SBE43) SN *904 and 910 - PMEL*

Transmiss SN *1066 - EMA*

PAR SN *70103 - EMA*

O2 SBE42SN *N/A*

Nisk #	DEPTH	Rosette Notes	Hydro Team - PMEL			Stacked GFF + >10 vol	Stacked dup vol	Unstack GFF vol	Unstack GFF dup vol	Unstack >10 vol	Unstack >10 dup vol	POC % 500 TH	Comments or other samples	Nisk #
	DESIRED		SALT Bl	Nut Bl	Oxy Bl									
<i>1</i>	<i>130T</i>	<i>11h</i>	<i>243</i>	<i>124</i>									<i>1</i>	
<i>2</i>	<i>100</i>		<i>244</i>										<i>2</i>	
<i>3</i>	<i>75</i>		<i>245</i>										<i>3</i>	
<i>4</i>	<i>50</i>		<i>246</i>				<i>250</i>		<i>250</i>				<i>4</i>	
<i>5</i>	<i>40</i>		<i>247</i>										<i>5</i>	
<i>6</i>	<i>30</i>		<i>248</i>										<i>6</i>	
<i>7</i>													<i>7</i>	
<i>8</i>	<i>20</i>		<i>249</i>										<i>8</i>	
<i>9</i>	<i>10</i>		<i>250</i>										<i>9</i>	
<i>10</i>													<i>10</i>	
<i>11</i>	<i>0</i>		<i>251</i>										<i>11</i>	
<i>12</i>													<i>12</i>	

*u-2000 @ 30m, 10m + 3 AWES*



VESSEL: Oscar Dyson  
 CRUISE ID: DY1206  
 PROJECT & LEG (if needed): BASIS leg 1  
 CTD FileName (No need if data is live feed):  
 STATION NO.: 56

CTD consec CAST #	LATITUDE		LONGITUDE		GMT DATE	(note if not)	GMT Time	Temp (°C)	WET BULB (°C)	PRESSURE (mb)	SEA STATE	VISIBILITY	WIND DIRN: (deg)	WIN D SPD: (kts)	CLOUD (amt)	WEATHER TYPE	BOTTO M DEPTH (m)	STA. NAME/ID
	DEG	MIN	DEG	MIN														
03756	30.	23N	166	00.	20	W	29	Aug	12	21	41	10.	3	03	22	29	88	56

Sensor IDS (initially & swap-outs): Local Time (AKDT) 1 2  
 Pycnocline Depth = 24.30  
 Depth of FL max = 26.30  
 CTD MAX DEPTH = 82

Weather:  
 COMMENT: Difficult conditions, factors that may affect measurements or aid processing  
 Fairly rough seas, trip depths vary  
 TS4, 70C, STUCKED DUPLICATES.

SBE type and S/N	911plus - Dyson
PRESS SN	772 - Dyson
TEMP 1 & 2 SNS	2376 and 4379 - Dyson
COND 1&2 SNS	2985 and 3127 - Dyson
FLUOR SN	759 - EMA
O2 (SBE43) SN	904 and 910 - PMEL
Transmiss SN	1066 - EMA
PAR SN	70103 - EMA
O2 SBE42SN	N/A

Nisk #	DEPTH	Rosette Notes	Hydro/T eam-PMEL			Stacked GFF + >10 vol	Stacked dup vol	Unstack GFF vol	Unstack GFF-dup vol	Unstack >10 vol	Unstack >10 dup vol	POC 500 ml	Comments or other samples	Nisk #
	DESIRED		SALT:BI	Nut:BI	Oxy:BI									
1	Bot												1	
2	75												2	
3	50									250			3	
4	40												4	
5	30												5	
6	20												6	
7	-												7	
8	10											X	8	
9	0												9	
10	-												10	
11													11	
12													12	

lost ~100ml in filtering

























VESSEL Oscar Dyson CRUISE ID PROJECT & LEG (if needed) CTD FileName (No need if data is live feed) STATION NO. 74

CTD consec CAST #	LATITUDE		LONGITUDE		GMT DATE		GMT Time	Temp (°C)	WET BULB (°C)	PRESSURE (mb)	SEA STATE	VISIBILITY	WIND DIRN. (deg)	WIND SPD. (kts)	CLOUD (%)	WEATHER	BOTTO M DEPTH (m)	STA NAME/ID			
	DEG	MIN	DEG	MIN	DAY	MO													YR	HR	MIN
050	54	59	87	N	167	00	30	W	09	SEP	12	1638	7.9			14		256	16	160	74

Sensor IDs (initially & swap-outs) Local Time (AKDT) Pycnocline Depth= 40m Depth of FL max = 140m

SBE type and S/N 911 plus - Dyson PRESS SN 772 - Dyson Weather: COMMENT: Difficult conditions, factors that may affect measurements or aid processing

TEMP 1 & 2 S/Ns 2376 and 4379 - Dyson COND 1&2 S/Ns 2985 and 3127 - Dyson FLUOR SN 759 - EMA

02 (SBE43) SN 904 and 910 - PMEL Transmits SN 1066 - EMA can log for transmission with some data

PAR SN 70103 - EMA START LEG 2 This was inconsistent with added CTD001 - we did not measure to CTD050-

02 SBE42SN N/A

Nisk #	DEPTH DESIRED	Rosette Notes	Hydro Team-PMEL		Stacked GFF >10 vol	Stacked dup vol	Unstack GFF vol	Unstack GFF dup vol	Unstack >10 vol	Unstack >10 dup vol	POC 500 ml	Comments, or other samples	Nisk #
			SALT Bl	Nut:Bl									
1	5	5m	465	10	046								1
2	5	125		2								Forget to mark studied	2
3	10	100		3								or unstacked	3
4	5	75		4								All were unstacked.	4
5	10	50		5									5
6	5	40		6									6
7	X			7									7
8	5	30		7									8
9	5	20		8									9
10	X			9									10
11	10			9								Did not use 333 after for POC	11
12	5	0		10								Did not use combusted CFP	12

VESSEL Oscar Dyson  
 CRUISE ID DY1208  
 PROJECT & LEG (if needed) BASIS leg 2  
 CTD FileName (No need if data is live feed)  
 STATION NO. 75

CTD consec CAST #	LATITUDE	LONGITUDE	GMT DATE	GMT Time	Temp (°C)	WET BULB (°C)	PRESSURE (mb)	SEA STATE	WIND DIRN. (deg)	WIND SPD. (kts)	CLOUD (amt)	WEATHER TYPE	BOTTO M DEPTH (m)	STA. NAME/ID
05155	29.88 N	167 00.52 W	08 Sep 12	06 45	7.1		18		234	13			132	

Sensor IDS (initially & swap-outs) Local Time (AKDT) 1 2  
 CTD MAX. DEPTH = 132

SBE type and S/N 9 11plus - Dyson  
 Pycnocline Depth = 38-44  
 Depth of FL max = Surface  
 Weather:

TEMP 1 & 2 S/Ns 2376 and 4379 - Dyson  
 COMMENT: Difficult conditions, factors that may affect measurements or aid processing

COND 1&2 S/Ns 2985 and 3127 - Dyson  
 Limona on Chk P11

FLUOR S/N 759 - EMA  
 Transmissometer coefficients corrected - based on 03Apr2012 calibration

02 (SBE43) S/N 904 and 910 - PMEL

Transmiss S/N 1066 - EMA

PAR S/N 70103 - EMA

02 SBE42SN N/A

Nisk #	DEPTH DESIRED	Rosette Notes	Hydro Team-PMEL	Stacked GFF + >10 vol	Stacked dup vol	Unstack GFF vol	Unstack GFF dup vol	Unstack >10 vol	Unstack >10 dup vol	POC 500 ml	Comments or other samples	Nisk #
1	5 m		12									1
2	125		13									2
3	100		14									3
4	75		15									4
5	50		16			250						5
6	40		17			250						6
7	-											7
8	30		18			250		250				8
9	20		19			250						9
10	-											10
11	10		20			250		250			✓	11
12	0		21			250		250				12

VESSEL Oscar Dyson  
 CRUISE ID  
 PROJECT & LEG (if needed) BASIS leg 2  
 CTD FileName (No need if data is live feed)  
 STATION NO. 76

CTD consec CAST #	LATITUDE		LONGITUDE		GMT DATE	GMT Time		Temp (°C)	WET BULB (°C)	PRESSURE (mb)	SEA STATE	VISIBILITY	WIND DIRN. (deg)	WIN D SPD. (kts)	CLOUD (amt)	WEATHER	BOTTO M DEPTH (m)	STA NAME/ID
0525530	12N	168	00.03	W08	5ER	12	19	43	7.3	21			009	03			144	

SBE type and S/N 9 11plus - Dyson  
 Pycnocline Depth = 30 m  
 Depth of FL max = above 30 m  
 CTD MAX. DEPTH =

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

PRESS SN	772 - Dyson
TEMP 1 & 2 S/Ns	2376 and 4379 - Dyson
COND 1&2 S/Ns	2985 and 3127 - Dyson
FLUOR SN	759 - EMA
02 (SBE43) SN	904 and 910 - PMEL
Transmiss SN	1066 - EMA
PAR SN	70103 - EMA
02 SBE42SN	N/A

Nisk #	DEPTH	Rosette Notes	Hydro Team-PMEL		Stacked GFF + >10 vol	Stacked dup vol	Unstack GFF vol	Unstack GFF dup vol	Unstack >10 vol	Unstack >10 dup vol	POC 500 ml	Comments or other samples	Nisk #
	DESIRED		SALT Bl	Nut:Bl									
1	141		22	049			250						1
2	125		23				250					Forgot to mark stacked or unstacked.	2
3	100		24				250					All were unstacked.	3
4	75		25				250						4
5	50		26				250						5
6	40		27				250						6
7	—		—				250						7
8	30		28				250					Blanks for GFF and 710	8
9	20		29				250						9
10	—		—				250						10
11	10		30				250					Rep GFF at 10m	11
12	0		31				250						12

VESSEL Oscar Dyson CRUISE ID PROJECT & LEG (if needed) CTD FileName (No need if data is live feed) STATION NO. 77

CTD consec CAST #	LATITUDE		LONGITUDE		GMT DATE	GMT (note if not)	GMT Time	Temp (°C)	WET BULB (°C)	PRESSURE (mb)	SEA STATE	VISIBILITY	WIND DIRN. (deg)	WIND SPD. (kts)	CLOUD (amt)	WEATHER	BOTTO M DEPTH (m)	STN NAME/ID	
	DEG	MIN	DEG	MIN															DAY
05356	00.65	N	168	00.01	W	08	SEP	12	19	47	7.6							138	

Sensor IDS (initially & swap-outs) Local Time (AKDT) Pycnocline Depth = 25-40 Depth of FL max = Top 30m (low values < 1.0 mg/l)

SBE type and S/N 911plus - Dyson Weather: Partly cloudy, moderate wind, calm

PRESS SN 772 - Dyson COMMENT: Difficult conditions, factors that may affect measurements or aid processing

TEMP 1 & 2 S/Ns 2376 and 4379 - Dyson Limestone on ch GFF at 10m. Limestone also in zoopl.

COND 1&2 S/Ns 2985 and 3127 - Dyson

FLUOR SN 759 - EMA

O2 (SBE43) SN 904 and 910 - PMEL

Transmiss SN 1066 - EMA

PAR SN 70103 - EMA

O2 SBE43SN N/A

Nisk #	DEPTH DESIRED	Rosette Notes	Hydro Team-PMEL			Stacked GFF > 10 vol	Stacked dup vol	Unstack GFF vol	Unstack GFF dup vol	Unstack >10 vol	Unstack >10 dup vol	PQC 500 ml	Comments or other samples	Nisk #
			SALT:Btl	Nut:Btl	Oxy:Btl									
1	16000		407	33	221									1
2	125			33										2
3	100			34										3
4	75			35										4
5	50			36			250							5
6	40			37			250							6
7														7
8	30			38			250							8
9	20			39			250		250				Microzoopl	9
10														10
11	10			40			250		250				Microzoopl	11
12	0			41			250							12

\* Labels ref B



































VESSEL Oscar Dyson  
 CRUISE ID 1912-08  
 PROJECT & LEG (if needed) BASIS leg 2  
 CTD FileName (No need if data is live feed)  
 STATION NO. 106

CTD consec CAST #	DEG	MIN	DEG	MIN	GMT DATE	MO	YR	HR	MIN	Temp (°C)	WET TEMP (°C)	PRESSURE (mb)	SEA STATE	VISIBILITY	WIND DIRN (deg)	WIND SPD (kts)	CLOUD (amt)	WEATHER	BOTTO M DEPTH (m)	STA NAME/ID
071	56	00	168	59	13	SEP	12	19	31	6.797	008				145	20			1300	106

Sensor IDS (Initially & swap-outs) Local Time (AKDT) 12  
 Pycnocline Depth = ~ 22-25 m  
 Depth of FL max = 22 m  
 CTD MAX. DEPTH = 348

SBE type and S/N 911 plus - Dyson  
 PRESS SN 772 - Dyson  
 TEMP 1 & 2 SNS 2376 and 4379 - Dyson  
 COND 1&2 SNS 2985 and 3127 - Dyson  
 FLUOR SN 759 - EMA  
 O2 (SBE43) SN 904 and 910 - PMEL  
 Transmiss SN 1066 - EMA  
 PAR SN 70103 - EMA  
 O2 SBE42SN N/A

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

Nisk #	DEPTH	Rosette Notes	Hydro Team-PMEL		Stacked GPF + s+10 vol	Stacked dup vol	Unstack GPF vol	Unstack GPF dup vol	Unstack >10 vol	Unstack >10 dup vol	POC 500 ml	Comments or other samples	Nisk #
	DESIRED		SALT BH	NUTR BH									
1	340		.476	42	.187								1
2	250			42									2
3	150			44									3
4	100			45									4
5	80			46			250						5
6	40			47			250						6
7	-			-									7
8	30			48			250	2	250				8
9	20			49			250						9
10	-			-									10
11	10			50			250		250				11
12	0			51			250						12











































VESSEL **Oscar Dyson** CRUISE ID **DY12-08** PROJECT & LEG (if needed) **IF** BASIS leg **IF** CTD FileName (No need if data is live feed) STATION NO. **133**

CTD consec CAST #	LATITUDE		LONGITUDE		GMT DATE	MO	YR	HR	MIN	Temp (°C)	RH %	WET BULB	PRESSURE	SEA STATE	VISIBILITY	WIND DIRN	WIND SPD	CLOUD (amt)	WEATHER	BOTTO M DEPTH (m)	STA NAME/ID	
	DEG	MIN	DEG	MIN																		DAY
093	60	34.33N	173	38.62W	19	SEP	12	07	01	3.9	85	9.8	9.8	015	15						70	093

Sensor IDs (Initially & swap-outs) Local Time (AKDT) 12  
 SBE type and SN 911 plus - Dyson Pycnocline Depth = 23-27 : 30-36  
 Depth of FL max = above 25 → about the same  
 Weather: dark seas : 3-5 ft  
 CTD MAX. DEPTH = 67

Nisk #	DEPTH DESIRED	Rosette Nages	Hydro Team-PMEL	Stacked GFF + >10 vol	Stacked dup vol	Unstack GFF vol	Unstack GFF/dup vol	Unstack >10 vol	Unstack >10 dup vol	POC 500 ml	Comments or other samples	Nisk #
1	5m to 67											1
2	50					290						2
3	40					289						3
4	30					290						4
5	20					288						5
6	10					290						6
7	-					-						7
8	D					291						8
9												9
10												10
11												11
12												12

PAR SN 70103 - EMA  
 Transmiss SN 1066 - EMA  
 02 (SBE43) SN 904 and 910 - PMEL  
 FLUOR SN 759 - EMA  
 COND 1&2 SNS 2985 and 3127 - Dyson  
 TEMP 1 & 2 SNS 2376 and 4379 - Dyson  
 PRESS SN 772 - Dyson  
 SBE type and SN 911 plus - Dyson  
 COMMENT: Difficult conditions, factors that may affect measurements or aid processing

















3649635036

VESSEL Oscar Dyson		CRUISE#		PROJECT & LEG (if needed) BASIS leg		CTD FileName (No need if data is live feed)		STATION NO. 142							
CTD consec	LATITUDE	LONGITUDE	GMT DATE	(note if not)	GMT Time	Temp (°C)	WIND BULB (kts)	PRESSURE (at)	SEA STATE	WIND DIRN (deg)	WIND SPD (kts)	WIND D (m)	WEATHER	BOTTO M DEPTH (m)	STA NAME/ID
CAST #	DEG MIN	DEG MIN	DAY MO YR	HR MIN	HR MIN	(°C)	(kts)	(at)		(deg)	(kts)	(m)			
102	59 53	35N 171 42	19 SEP 12	19 18	19 18	4.0					18			72	
<b>Sensor IDS (initially &amp; swap-outs)</b>															
SBE type and SN		911 plus - Dyson		Pycnocline Depth = 26		Depth of FL max = Surf → 28		CTD MAX DEPTH = 65							
PRESS SN		772 - Dyson		Weather:											
TEMP 142 S/N		2376 and 4379 - Dyson		<b>COMMENT: Difficult conditions, factors that may affect measurements or aid processing</b>											
COND 142 S/N		2985 and 3127 - Dyson													
FLUOR SN		759 - EMA													
O2 (SEA4) SN		904 and 910 - PMEL													
Transmiss SN		1086 - EMA													
PAR SN		7446-EMA 4103-RMK1		swapped out PARs prior to this cast par cable changed back to one used on CTD099 and CTD100 after cleaning/drying changed PAR gain on console so sample bottles changed aht											
O2 SBE42SN		N/A		No transmissometer, PAR looks good!											

  

Nisk #	DEPTH DESIRED	ROSETTE NOTES	SAT. SN	NUMER	OVER	STATION	STATION	INSTRACK	INSTRACK	INSTRACK	INSTRACK	INSTRACK	INSTRACK	POC	Comments or other samples	Nisk #
1	68			82	136			290							389 23	1
2	50			83				290							390 2	2
3	40			84				288							391 23	3
4	40			85				290							392 4	4
5	30			86				290							393 5	5
6	20			86				290							394 6	6
7	18.2			87				290							395 7	7
8	18.6			87				290							396 8	8
9	18.2			87				290							397 9	9
10	1			87				291							398 10	10
11	10			88				291							399 11	11
12	0			88				291							400 12	12















VESSEL Oscar Dyson CRUISE ID DY12-08 PROJECT & LEG (if needed) BASIS leg II CTD FileName (No need if data is live feed) STATION NO. 150

CTD consec CAST #	DEG	MIN	DEG	MIN	GMT DATE	MO	YR	HR	MIN	Temp (°C)	PH %	WET BULB	PRESSURE	SEA STATE	VISIBILITY	WIND DIRN.	WIND SPD.	CLOUD (amt)	WEATHER	BOTTO M DEPTH	STA NAME/ID	
110	59	14	65	170	24	35	W	20	5	SEP	12	06	58	4	79	1	04	310	15		69	

Sensor IDs (initially & swap-outs) Local Time (AKDT) Pycnocline Depth = 25 - 31 Depth of FL max = 25 m

SBE type and S/N 911plus - Dyson Weather:  $\sim 1 \text{ mg/m}^3$  above 25 m

PRESS SN 772 - Dyson COMMENT: Difficult conditions, factors that may affect measurements or aid processing

TEMP 1 & 2 S/Ns 2376 and 4379 - Dyson

COND 1&2 S/Ns 2985 and 3127 - Dyson

FLUOR SN 759 - EMA

O2 (SBE43) SN 904 and 910 - PMEL

Transmiss SN 1066 - EMA

PAR SN ~~20499-EMA~~ H1603 PMEL

O2 SBE42SN N/A

Nisk #	DEPTH	Rosette Notes	Hydro Team-PMEL		Stacked GFF + >10 vol	Stacked dup vol	Unstack GFF vol	Unstack GFF dup vol	Unstack >10 vol	Unstack $\geq 10$ dup vol	POC 500 ml	Comments or other samples	Nisk #
	DESIRED		SALT BI	Nut/BI									
1	67						139					845	1
2	50						140					846	2
3	—												3
4	40						141					847	4
5	30						142					848	5
6	20						143					849	6
7	10						145					850	7
8	0						144					851	8
9													9
10													10
11													11
12													12

\*Note: out of sequence



































VESSEL  
Oscar Dyson

CRUISE ID

PROJECT & LEG (if needed)  
BASIS leg

CTD FileName (No need if data is live feed)

STATION NO.  
169

CTD consec	CAST #	DEG	MIN	DEG	MIN	GMT DATE	MO	YR	HR	MIN	Temp (°C)	WES DATE	PRESSURE	SEA STATE	VISIBILITY	WIND DIR	WIND SPD.	CLOUD (%)	WEATHER	BOTTO M DEPTH	
128	57	49	18	N	168	53	30	W	21	SEP	12	1944	4.2				10				72

Sensor IDs (initially & swap-outs)  
Local Time (AKDT)  
Pycnocline Depth = 26-30  
Weather:  
Depth of FL max = > 25m  
CTD MAX DEPTH = 64

SBE type and S/N 911 plus - Dyson  
PRESS SN 772 - Dyson  
TEMP 1 & 2 S/Ns 2376 and 4379 - Dyson  
COND 1&2 S/Ns 2985 and 3127 - Dyson  
FLUOR SN 759 - EMA  
O2 (SBE43) SN 904 and 910 - PMEL  
Transmiss SN 1086 - EMA  
PAR SN ~~7049-EMA~~ 4603706  
O2 SBE42SN N/A

CTD 105 2

MA

Nisk #	DEPTH DESIRED	Possible Notes	Hydro-Temp-PMEL	Stacked SIFT #1	Stacked SIFT #2	Unstacked SIFT #1	Unstacked SIFT #2	Unstacked SIFT #3	Unstacked SIFT #4	POC	Comments or other samples	Nisk #
1	103		82.112			290				931	135	1
2	50		83			290				930		2
3	—		—							—		3
4	40		84			290				933	118	4
5	312		85			288				934		5
6	216					290						6
7	312					287						7
8	20		86			291				935		8
9	13A					290						9
10	—		—									10
11	13B					290						11
12	13C					289						12











VESSEL Oscar Dyson		CRUISE ID		PROJECT & LEG (if needed) BASIS leg		CTD FileName (No need if data is live feed)		STATION NO. 134					
CTD consec CAST #	LATITUDE DEG MIN	LONGITUDE DEG MIN	GMT DATE DAY MO YR	GMT (note if not) Time HR MIN	Temp (°C)	RTX WET BUBB (°C)	PRESSURE (mb)	SEA STATE VISIBILITY	WIND DIRN. SPD. (deg) (kts)	WIN D SPD. (kts)	CLOUD (amt) TYPE WEATHER	BOTTO M DEPTH (m)	STA NAME/ID
1345730.06N	16759.42W	22 SEP 12 01 40	5.982	09	35920								

SBE type and S/N 9 11plus - Dyson  
 Pycnocline Depth = 26-31  
 Depth of FL max = 25m 2.5m  
 Sensor IDs (initially & swap-outs) Local Time (AKDT) 1 2  
 CTD MAX. DEPTH = 64

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

TEMP 1 & 2 SNS 2376 and 4379 - Dyson  
 COND 1&2 SNS 2985 and 3127 - Dyson  
 FLUOR SN 759 - EMA  
 O2 (SBE43) SN 904 and 910 - PMEL  
 Transmiss SN 1066 - EMA  
 PAR SN 70403-EMA 4603 PMEL  
 O2 SBE42SN N/A  
 Note 12/14 for Under way  
 Phyt on 2001. net (brown slime)  
 500ml

Nisk #	DEPTH	Rosette Notes	Hydro Team-PMEL			Stacked GFF + >10 vol	Stacked dup vol	Unstack GFF vol	Unstack GFF dup vol	Unstack >10 vol vol	Unstack >10 dup vol	POC 500 ml	Comments or other samples	Nisk #
	DESIRED		SALT BI	NITE BI	OXY BI									
1	63												1006	1
2	50							290					1003	2
3														3
4	40							290					1008	4
5	30							288					1009	5
6	20							290					1010	6
7	10							287					1011	7
8	0							291					1012	8
9														9
10														10
11														11
12														12

NO OPERATOR ERROR  
 NO SAMPLER ERROR  
 but included empty bottles in K11 bottles



























VESSEL Oscar Dyson  
 PROJECT & LEG (if needed) BASIS leg 2  
 CTD FileName (No need if data is live feed)  
 STATION NO. 188

CTD consec CAST #	LATITUDE DEG MIN	LONGITUDE DEG MIN	GMT DATE DAY MO YR	GMT Time HR MIN	Temp (°C)	DEPTH (m)	WIND SPD. (kts)	WIND DIR (°)	WEATHER	BOTTO M DEPTH (m)
148	56 48	16 43	23 SEP 12	16 09	4.0	80	11	291	09	74

CTD MAX DEPTH = 68

Depth of FL max = 28-34

Weather: Pycnocline Depth = 28-34

FORM 3

No phyT on net - lots of copepods

SBE type and SN: 91plus - Dyson  
 PRESS SN: 772 - Dyson  
 TEMP 1 & 2 S/Ns: 2376 and 4378 - Dyson  
 COND 1&2 S/Ns: 2985 and 3127 - Dyson  
 FLUOR SN: 759 - EMA  
 O2 (SBE4S) SN: 904 and 910 - PAEL  
 Transmitter SN: 1086 - EMA  
 PAR SN: 4603 - PAR  
 O2 SBE4ZSN: N/A

Nisk #	TEMP	COND	FLUOR	O2	PAR	CTD FILE NAME	Nisk #
1	30	50	40	30	20	1104	1
2	50	33	34	35	290	1105	2
3							3
4	40		34	35	290	1106	4
5	30		34	35	288	1107	5
6	20		36	36	290	1108	6
7	10		37	37	287	1109	7
8	0		38	38	291	1110	8
9							9
10							10
11							11
12							12













VESSEL Oscar Dyson  
 PROJECT & LEG (if needed) BASIS leg  
 CTD FileName (No need if data is live feed)  
 STATION NO. 194

CTD consec CAST #	DEG	MIN	LATITUDE	DEG	MIN	LONGITUDE	GMT DATE	MO	YR	HR	MIN	GMT Time	Temp (°C)	DEPTH (m)
15556	3	0.58	N	170	59.94	W	02	OCT	12	15	51		5.6	125

Sensor IDs (initially & swap-outs)  
 Local Time (AKDT) 02 4 347  
 Depth of FL max =  
 CTD MAX DEPTH = 119

SBE type and SN 911plus - Dyeon  
 PRESS SN 772 - Dyeon  
 TEMP 1 & 2 SAs 2376 and 4378 - Dyeon  
 COND 1&2 SAs 2885 and 3127 - Dyeon  
 FLUOR SN 799 - EMA  
 O2 (SBE43) SN 904 and 910 - PMEL  
 Transmiss SN 1088 - EMA  
 PAR SN 70103 - EMA  
 O2 SBE42SN N/A

Weather:  
 Pycnocline Depth=  
 COMMENT: Difficult conditions, factors that may affect measurements or aid processing

Nisk #	DEPTH (m)	TEMP (°C)	SALINITY	COND (µmhos/cm)	FLUOR (µM)	O2 (µM)	PAR (µE)	Transmiss (µm^-1)	PAR SN	O2 SBE42SN
1	8.5	43.4	1	29.0						
2	10.0		2							
3										
4	7.5		3							
5	6.0		4							
6	5.0		5		28.7					
7	4.0		6		29.1					
8	3.0		7		29.0					
9	2.0		8		28.8					
10	1.0		9		29.0					
11	0		10		29.0					
12			11							
			12							













VESSEL Oscar Dyson  
 PROJECT & LEG (if needed) BASIS leg 3  
 CTD FileName (No need if data is live feed) CTD162  
 STATION NO. 205

CTD consec CAST #	LATITUDE	LONGITUDE	GMT DATE	GMT Time	Temp (°C)	WIN D SPD. (kts)	BOTTO M DEPTH (m)
162	51.83N	170.59W	06 OCT 12	0508	5.3		88

Sensor IDs (initially & swap-outs) Local Time (AKDT) 12  
 Pycnocline Depth = 42-45m  
 Depth of FL max = 440m  
 CTD MAX DEPTH = 130m

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

COND 142 S/N 2965 and 3127 - Dyson  
 FLUOR S/N 789 - EMA  
 O2 (SBE43) S/N 904 and 910 - PMEL  
 PAR S/N 70103 - EMA  
 O2 SBE42S/N N/A

Nisk #	DEPTH (m)	TEMP (°C)	SALINITY	COND	FLUOR	O2	PAR	CHLOROPHYLL	PHOSPHATE	SILICATE	NITRATE	NITROGEN	AMMONIA	CO2	PH	DO	SPD	DIR	WIND DIR	WIND SPD	WAVE DIR	WAVE SPD	SEA STATE	WIND DIR	WIND SPD	WAVE DIR	WAVE SPD	SEA STATE	Nisk #
1	71	71																										1	
2	72																											2	
3																												3	
4	73																											4	
5	74																											5	
6	75																											6	
7	76																											7	
8	77																											8	
9	78																											9	
10	79																											10	
11																												11	
12																												12	

Scanner says it may have locked

Underway → 200m surf

VESSEL Oscar Dyson  
 PROJECT & LEG (if needed) BASIS leg 3  
 CTD FileName (No need if data is live feed) CTD 163  
 STATION NO. 207

CTD consec CAST #	LATITUDE	LONGITUDE	GMT DATE	(note #)	GMT Time	Temp (°C)	WIND SPD. (kts)	BOTTOM DEPTH (m)
163	58 30.40N	170 59.73W	06 05	12	1536	15.1	16	164

Sensor IDs (initially & swap-outs) Local Time (AKDT) Pycnocline Depth =  
 Depth of FL max = 0-30 m  
 CTD MAX DEPTH = 77

Weather:  
 COMMENT: Difficult conditions, factors that may affect measurements or aid processing  
 4/10 sample not # 89 16:27.45

Nisk #	DEPTH	TEMP	SAL	COND	FLUOR	PAR	SBE42SN	Nisk #
1	Bot	438	81	064				1
2	60		82					2
3	—		—					3
4	50		83					4
5	70		84					5
6	30		85					6
7	20		86					7
8	10		87					8
9	0		88					9
10								10
11								11
12								12

Stacked "B" did not fire last 6 times

TSS collected















