VESSEL	CRUISE ID	PROJECT & LEG	CTD FileName:	STATION NO.
Oscar Dyson	DY1609	BASIS Leg 1		00

CONSC CAST #	LATITUDE DEG	LATITUDE MIN		LONGITUDE DEG	LONGITUDE MIN		DAY	MO	YR	TIME (GMT) HR	TIME (GMT) MIN	DRY BULB (°C)	RH (%)	Pressure (mb)	WIND DIRN. (deg)	WIND SPD. (kts)	BOTTOM DEPTH (m)	STA. NAME/ID
001	55	29.72	N	164	00.24	W	23	Aug	16	1434		11.1	100	1005	208	7	92	

SBE 9+	0722	FLUOR S/N	FLNTUS 2057
PRESS SN	0722	SBE43-Oxy (prime)	1961
PRI TEMP SN	2376	SBE43-Oxy (sec)	1875
SEC TEMP SN	4379	Transmissometer	CST-1066PR
PRI COND SN	2985	PAR S/N	70296
SEC COND SN	3127	O2 Tmp Senson No.	

Turb FLNTUS 2057

Instrument Notes:

WEATHER OBS: **SFC/Bottom Temp.** MAX. DEPTH = 90 m

REMARKS: Problem with winch, Redid with new file
Possibly touched bottom

Pre-combusted filters used for chl - leaks may have occured

Recorder Initials:

Nis No	DEPTH DESIRED	Rosette Notes	Hydro Team-PMEL SALT	Nut.Btl	O2-Btl.No	DIC/Alk	Chloro GFF Vol	>10 Large Vol	GFF Dup Vol	>10 dup vol	POC 500 ml		Comments	Nis No
1	Bot		143	721										1
2	75			722			✓							2
3	50			723			✓							3
4	40			724			✓							4
5	30			725			✓						Leaky Bottle	5
6	20			726			✓	✓						6
7	10			727			✓	✓						7
8	0			728	118		✓							8
9														9
10														10
11														11
12														12
1		Inline												1

VESSEL	CRUISE ID	PROJECT & LEG	CTD FileName:	STATION NO.
Oscar Dyson	DY1609	BASIS Leg 1		002

CONSC CAST #	LATITUDE DEG	LATITUDE MIN		LONGITUDE DEG	LONGITUDE MIN		DAY	MO	YR	TIME (GMT) HR	TIME (GMT) MIN	DRY BULB (°C)	RH (%)	Pressure (mb)	WIND DIRN. (deg)	WIND SPD. (kts)	BOTTOM DEPTH (m)	STA. NAME/ID
002	56	00.53	N	162	59.18	W	29	Aug	16	09	11	.	098	1011	41	06	085	002

SBE 9+	0722	FLUOR S/N	FLNTUS 2057
PRESS SN	0722	SBE43-Oxy (prime)	1961
PRI TEMP SN	2376	SBE43-Oxy (sec)	1875
SEC TEMP SN	4379	Transmissometer	CST. 1066 PR
PRI COND SN	2985	PAR S/N	70296
SEC COND SN	3127	O2 Tmp Senson No.	

Instrument Notes:
Turbidity: FLNTUS 2057

WEATHER OBS: **SFC/Bottom Temp.** MAX. DEPTH = m

REMARKS:
Chl caddy fridge!
Pre-combusted filters on chl - leaks may have occured

Recorder Initials:

Nis No	DEPTH DESIRED	Rosette Notes	Hydro Team-PMEL SALT	Nut.Btl	O2-Btl.No	DIC/Alk	Chloro GFF Vol	>10 Large Vol	GFF Dup Vol	>10 dup vol	POC 500 ml		Comments	Nis No
1	Bot			729	*107									1
2	60			730										2
3	50			731			/							3
4	40			732			/							4
5	30			733			/							5
6	20			734			/	/						6
7	10			735			/	/						7
8	0			736			/							8
9														9
10														10
11														11
12														12
I		Inline												I

VESSEL	CRUISE ID	PROJECT & LEG	CTD FileName:	STATION NO.
Oscar Dyson	DY1609	BASIS Leg 1	N/A TSG001	Underway

CONSC CAST #	LATITUDE DEG	LATITUDE MIN		LONGITUDE DEG	LONGITUDE MIN		DAY	MO	YR	TIME (GMT) HR	TIME (GMT) MIN	DRY BULB (°C)	RH (%)	Pressure (mb)	WIND DIRN. (deg)	WIND SPD. (kts)	BOTTOM DEPTH (m)	STA. NAME/ID
TSG	.	N		.	W		24	Aug	16	1750		.						

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		O2 Tmp Senson No.	

Instrument Notes:

WEATHER OBS: **SFC/Bottom Temp.** **MAX. DEPTH =** m

REMARKS: First TSG Sample for DY1609

pmg

Recorder Initials:

Nis No	DEPTH DESIRED	Rosette Notes	Hydro Team-PMEL SALT	Nut.Btl	O2-Btl.No	DIC/Alk	Chloro GFF Vol	>10 Large Vol	GFF Dup Vol	>10 dup vol	POC 500 ml		Comments	Nis No
1														1
2														2
3														3
4														4
5														5
6														6
7														7
8														8
9														9
10														10
11														11
12														12
1		Inline	145	743			✓							1

VESSEL	CRUISE ID	PROJECT & LEG	CTD FileName:	STATION NO.
Oscar Dyson	DY1609	BASIS Leg 1		003

CONSC CAST #	LATITUDE DEG	LATITUDE MIN	LONGITUDE DEG	LONGITUDE MIN	DAY	MO	YR	TIME (GMT) HR	TIME (GMT) MIN	DRY BULB (°C)	RH (%)	Pressure (mb)	WIND DIRN. (deg)	WIND SPD. (kts)	BOTTOM DEPTH (m)	STA. NAME/ID
003	56	30.17 N	162	01.60 W	24	Aug	16	17	00	13.4	097	1014	087	06	60	

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		O2 Tmp Senson No.	

Instrument Notes:

WEATHER OBS: **SFC/Bottom Temp.** MAX. DEPTH = 55 m

REMARKS: Bottle 4 misfired
Pre combusted filters on chl. Leaks may have occured

Recorder Initials:

Nis No	DEPTH DESIRED	Rosette Notes	Hydro Team-PMEL SALT	Nut.Btl	O2-Btl.No	DIC/Alk	Chloro GFF Vol	>10 Large Vol	GFF Dup Vol	>10 dup vol	POC 500 ml	Coco	Comments	Nis No
1	BOT			737			✓							1
2	40			738			✓							2
3	30			739			✓							3
4	20			740									Bottle failed to close	4
5	10			741			✓	✓					Poss. blu filtered more	5
6	0		144	742	100		✓					✓	coco h'room	6
7														7
8														8
9														9
10														10
11														11
12														12
I		Inline												I

VESSEL	CRUISE ID	PROJECT & LEG	CTD FileName:	STATION NO.
Oscar Dyson	DY1609	BASIS Leg 1		004

CONSC CAST #	LATITUDE DEG	LATITUDE MIN		LONGITUDE DEG	LONGITUDE MIN		DAY	MO	YR	TIME (GMT) HR	TIME (GMT) MIN	DRY BULB (°C)	RH (%)	Pressure (mb)	WIND DIRN. (deg)	WIND SPD. (kts)	BOTTOM DEPTH (m)	STA. NAME/ID
004	56	59.97	N	160	59.61	W	25	Aug	16	03	29	.	095	1020	161	05	065	004

SBE 9+	0722	FLUOR S/N	FLNTUS 2057
PRESS SN	0722	SBE43-Oxy (prime)	1961
PRI TEMP SN	2376	SBE43-Oxy (sec)	1875
SEC TEMP SN	4379	Transmissometer	CST.1066 PR
PRI COND SN	2985	PAR S/N	70296
SEC COND SN	3127	O2 Tmp Senson No.	

Instrument Notes:

Turbidity: FLNTUS 2057

WEATHER OBS: **SFC/Bottom Temp.** MAX. DEPTH = m

REMARKS:

Coccolithes! V. Blue waters.

10m = chl max, ~3 mg/m³

pre combusted filters on chl - leaks may have occured

Recorder Initials:

Nis No	DEPTH DESIRED	Rosette Notes	Hydro Team-PMEL SALT	Nut.Btl	O2-Btl.No	DIC/Alk	Chloro GFF Vol	>10 Large Vol	GFF Dup Vol	>10 dup vol	POC 500 ml		Comments	Nis No
1	61			744	037									1
2	50			745			/							2
3	40			746			/							3
4	30			747			/							4
5	20			748			/	/						5
6	10			749			/	/						6
7	0			750			/							7
8														8
9														9
10														10
11														11
12														12
I		Inline												I

VESSEL	CRUISE ID	PROJECT & LEG	CTD FileName:	STATION NO.
Oscar Dyson	DY1609	BASIS Leg 1		005

CONSC CAST #	LATITUDE DEG	LATITUDE MIN		LONGITUDE DEG	LONGITUDE MIN		DAY	MO	YR	TIME (GMT) HR	TIME (GMT) MIN	DRY BULB (°C)	RH (%)	Pressure (mb)	WIND DIRN. (deg)	WIND SPD. (kts)	BOTTOM DEPTH (m)	STA. NAME/ID
005	57	30.25	N	159	59.57	W	25	Aug	16	11	54	14.4	091	1024	228	12	055	005

SBE 9+	0722	FLUOR S/N	FLNTUS 2057
PRESS SN	0722	SBE43-Oxy (prime)	1961
PRI TEMP SN	2376	SBE43-Oxy (sec)	1875
SEC TEMP SN	4379	Transmissometer	CST. 1066 PR
PRI COND SN	2985	PAR S/N	70291
SEC COND SN	3127	O2 Tmp Senson No.	

Instrument Notes:

Turbidity: FLNTUS 2057

WEATHER OBS: **SFC/Bottom Temp.** MAX. DEPTH = m

REMARKS:

coccolithos!
chl max to 15

Recorder Initials:

Nis No	DEPTH DESIRED	Rosette Notes	Hydro Team-PMEL SALT	Nut.Btl	O2-Btl.No	DIC/Alk	Chloro GFF Vol	>10 Large Vol	GFF Dup Vol	>10 dup vol	POC 500 ml		Comments	Nis No
1	50			751			✓							1
2	40			752			✓							2
3	30			753			✓							3
4	20			754			✓	✓						4
5	10			755			✓	✓						5
6	0			756	172		✓							6
7														7
8														8
9														9
10														10
11														11
12														12
1		Inline												1

VESSEL	CRUISE ID	PROJECT & LEG	CTD FileName:	STATION NO.
Oscar Dyson	DY1609	BASIS Leg 1		TSG002

CONSC CAST #	LATITUDE		LONGITUDE					TIME (GMT)		DRY BULB	RH	Pressure	WIND DIRN.	WIND SPD.	BOTTOM DEPTH	STA. NAME/ID
	DEG	MIN	DEG	MIN	DAY	MO	YR	HR	MIN	(°C)	(%)	(mb)	(deg)	(kts)	(m)	
	57	28.16 N	160	46.16 W	25	Aug	16	21	33	.						TSG002

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		O2 Tmp Senson No.	

Instrument Notes:

WEATHER OBS: **SFC/Bottom Temp.** MAX. DEPTH = m

REMARKS:

Recorder Initials:

Nis No	DEPTH DESIRED	Rosette Notes	Hydro Team-PMEL SALT	Nut.Btl	O2-Btl.No	DIC/Alk	Chloro GFF Vol	>10 Large Vol	GFF Dup Vol	>10 dup vol	POC 500 ml		Comments	Nis No
1														1
2														2
3														3
4														4
5														5
6														6
7														7
8														8
9														9
10														10
11														11
12														12
1		Inline	146	763			✓							1

VESSEL	CRUISE ID	PROJECT & LEG	CTD FileName:	STATION NO.
Oscar Dyson	DY1609	BASIS Leg 1		006

CONSC CAST #	LATITUDE DEG	LATITUDE MIN		LONGITUDE DEG	LONGITUDE MIN		DAY	MO	YR	TIME (GMT) HR	TIME (GMT) MIN	DRY BULB (°C)	RH (%)	Pressure (mb)	WIND DIRN. (deg)	WIND SPD. (kts)	BOTTOM DEPTH (m)	STA. NAME/ID
006	57	30.24	N	160	59.69	W	25	Aug	16	22	21	14.3	093	1026	196	07	58	006

☐	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	☐	O2 Tmp Senson No.

Instrument Notes:

WEATHER OBS: **SFC/Bottom Temp.** MAX. DEPTH = 54 m

REMARKS:

Recorder Initials:

Nis No	DEPTH DESIRED	Rosette Notes	Hydro Team-PMEL SALT	Nut.Btl	O2-Btl.No	DIC/Alk	Chloro GFF Vol	>10 Large Vol	GFF Dup Vol	>10 dup vol	POC 500 ml		Comments	Nis No
1	BOT		*147	757	*168		√							1
2	40			758			√							2
3	30			759			√							3
4	20			760			√	√						4
5	10			761			√	√						5
6	0			762			√							6
7														7
8														8
9														9
10														10
11														11
12														12
1		Inline												1

VESSEL	CRUISE ID	PROJECT & LEG	CTD FileName:	STATION NO.
Oscar Dyson	DY1609	BASIS Leg 1		007

CONSC CAST #	LATITUDE DEG	LATITUDE MIN		LONGITUDE DEG	LONGITUDE MIN		DAY	MO	YR	TIME (GMT) HR	TIME (GMT) MIN	DRY BULB (°C)	RH (%)	Pressure (mb)	WIND DIRN. (deg)	WIND SPD. (kts)	BOTTOM DEPTH (m)	STA. NAME/ID
007	57	59.94	N	160	58.89	W	26	Aug	16	01	40	14.8	094	1026	203	07	44	007

SBE 9+	0722	FLUOR S/N	FLNTUS 2057
PRESS SN	0722	SBE43-Oxy (prime)	1961
PRI TEMP SN	2376	SBE43-Oxy (sec)	1875
SEC TEMP SN	4379	Transmissometer	CST, 1066 PR
PRI COND SN	2985	PAR S/N	70296
SEC COND SN	3127	O2 Tmp Senson No.	

Instrument Notes:

Turbidity: FLNTUS 2057

WEATHER OBS: **SFC/Bottom Temp.** **MAX. DEPTH =** m

REMARKS:

Thermocline @ 20m; no chl max

Recorder Initials:

Nis No	DEPTH DESIRED	Rosette Notes	Hydro Team-PMEL SALT	Nut.Btl	O2-Btl.No	DIC/Alk	Chloro GFF Vol	>10 Large Vol	GFF Dup Vol	>10 dup vol	POC 500 ml		Comments	Nis No
1	40			764			/							1
2	30			765			/							2
3	20			766			/	/						3
4	10			767			/	/						4
5	0			768	161		/							5
6														6
7														7
8														8
9														9
10														10
11														11
12														12
I		Inline												I

VESSEL	CRUISE ID	PROJECT & LEG	CTD FileName	STATION NO.
Oscar Dyson	DY1609	BASIS Leg 1		008

CONSC CAST #	LATITUDE DEG	LATITUDE MIN		LONGITUDE DEG	LONGITUDE MIN		DAY	MO	YR	TIME (GMT) HR	TIME (GMT) MIN	DRY BULB (°C)	RH (%)	Pressure (mb)	WIND DIRN. (deg)	WIND SPD. (kts)	BOTTOM DEPTH (m)	STA. NAME/ID
001	57	00.23	N	161	59.90	W	26	Aug	16	10	44	13.9	096	1027	12	7	63	008

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		O2 Tmp Senson No.	

Instrument Notes:

WEATHER OBS: **SFC/Bottom Temp.** MAX. DEPTH = m

REMARKS:

Recorder Initials:

Nis No	DEPTH DES/RED	Rosette Notes	Hydro Team-PMEL SALT	Nut.Btl	O2-Btl.No	DIC/Alk	Chloro GFF Vol	>10 Large Vol	GFF Dup Vol	>10 dup vol	POC 500 ml		Comments	Nis No
1	58			769	150		/							1
2	40			770			/							2
3	30			771			/							3
4	20			772			/	/						4
5	10			773			/						lost filter, bottles dumped; ran 8 bottles as total	5
6	0			774			/							6
7														7
8														8
9														9
10														10
11														11
12														12
I		Inline												I

VESSEL	CRUISE ID	PROJECT & LEG	CTD FileName:	STATION NO.
Oscar Dyson	DY1609	BASIS Leg 1		009

CONSC CAST #	LATITUDE DEG	LATITUDE MIN		LONGITUDE DEG	LONGITUDE MIN		DAY	MO	YR	TIME (GMT) HR	TIME (GMT) MIN	DRY BULB (°C)	RH (%)	Pressure (mb)	WIND DIRN. (deg)	WIND SPD. (kts)	BOTTOM DEPTH (m)	STA. NAME/ID
009	57	29.77	N	161	59.84	W	26	Aug	16	13	48	13.8	095	1027	053	07	47	009

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		O2 Tmp Senson No.	

Instrument Notes:

WEATHER OBS: **SFC/Bottom Temp.** MAX. DEPTH = 41 m

REMARKS:

Recorder Initials:

Nis No	DEPTH DESIRED	Rosette Notes	Hydro Team-PMEL SALT	Nut.Btl	O2-Btl No	DIC/Alk	Chloro GFF Vol	>10 Large Vol	GFF Dup Vol	>10 dup vol	POC 500 ml		Comments	Nis No
1	40			775			/							1
2	30			776			/							2
3	20			777			/	/						3
4	10			778			/	/						4
5	0		148	779	209		/							5
6														6
7														7
8														8
9														9
10														10
11														11
12														12
I		Inline												I

VESSEL	CRUISE ID	PROJECT & LEG	CTD FileName:	STATION NO.
Oscar Dyson	DY1609	BASIS Leg 1		010

CONSC CAST #	LATITUDE DEG	LATITUDE MIN		LONGITUDE DEG	LONGITUDE MIN		DAY	MO	YR	TIME (GMT) HR	TIME (GMT) MIN	DRY BULB (°C)	RH (%)	Pressure (mb)	WIND DIRN. (deg)	WIND SPD. (kts)	BOTTOM DEPTH (m)	STA. NAME/ID
010	57	29.92	N	162	59.92	W	26	Aug	16	20	41	13.6	082	1028	037	11	49	

☐	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	☐	O2 Tmp Senson No.

Instrument Notes:

WEATHER OBS: **SFC/Bottom Temp.** MAX. DEPTH = 44 m

REMARKS: Coco sample at 0m

Recorder Initials:

Nis No	DEPTH DESIRED	Rosette Notes	Hydro Team-PMEL SALT	Nut.Btl	O2-Btl.No	DIC/Alk	Chloro GFF Vol	>10 Large Vol	GFF Dup Vol	>10 dup vol	POC 500 ml		Comments	Nis No
1	BOT			780	197		✓							1
2	30			781			✓							2
3	20			782			✓	✓						3
4	10			783			✓	✓						4
5	0			784			✓						Coco Sample	5
6														6
7														7
8														8
9														9
10														10
11														11
12														12
I		Inline												I

VESSEL	CRUISE ID	PROJECT & LEG	CTD FileName:	STATION NO.
Oscar Dyson	DY1609	BASIS Leg 1		D12

CONSC CAST #	LATITUDE DEG	LATITUDE MIN		LONGITUDE DEG	LONGITUDE MIN		DAY	MO	YR	TIME (GMT) HR	TIME (GMT) MIN	DRY BULB (°C)	RH (%)	Pressure (mb)	WIND DIRN. (deg)	WIND SPD. (kts)	BOTTOM DEPTH (m)	STA. NAME/ID
011	57	00.05	N	162	59.93	W	27	Aug	16	01	44	14.2	085	1028	54	07	63	012

SBE 9+	722	FLUOR S/N	FLNTUS-2057	WEATHER OBS:	SFC/Bottom Temp.
PRESS SN	722	SBE43-Oxy (prime)	1961		MAX. DEPTH = m
PRI TEMP SN	2376	SBE43-Oxy (sec)	1875		
SEC TEMP SN	4379	Transmissometer	CST-1066PR	REMARKS:	
PRI COND SN	2985	PAR S/N	70296	Chl max @10m, 5mg/m^3	
SEC COND SN	3127	O2 Tmp Senson No.			

Instrument Notes:

Recorder Initials:

Nis No	DEPTH DESIRED	Rosette Notes	Hydro Team-PMEL SALT	Nut.Btl	O2-Btl No	DIC/Alk	Chloro GFF Vol	>10 Large Vol	GFF Dup Vol	>10 dup vol	POC 500 ml		Comments	Nis No
1	55		149	785			/							1
2	40			786			/							2
3	30			787			/							3
4	20			788			/	/						4
5	10			789			/	/						5
6	0			790	181		/							6
7														7
8														8
9														9
10														10
11														11
12														12
I		Inline												I

VESSEL	CRUISE ID	PROJECT & LEG	CTD FileName:	STATION NO.
Oscar Dyson	DY1609	BASIS Leg 1		013

CONSC CAST #	LATITUDE DEG	LATITUDE MIN		LONGITUDE DEG	LONGITUDE MIN		DAY	MO	YR	TIME (GMT) HR	TIME (GMT) MIN	DRY BULB (°C)	RH (%)	Pressure (mb)	WIND DIRN. (deg)	WIND SPD. (kts)	BOTTOM DEPTH (m)	STA. NAME/ID
01	56	30.17	N	163	00.42	W	27	Aug	16	07	44	14.3	088	1028	85	11	78	013

SBE 9+	722	FLUOR S/N	FLNTUS-2057
PRESS SN	722	SBE43-Oxy (prime)	1961
PRI TEMP SN	2376	SBE43-Oxy (sec)	1875
SEC TEMP SN	4379	Transmissometer	CST-1066PR
PRI COND SN	2985	PAR S/N	70296
SEC COND SN	3127	O2 Tmp Senson No.	

Instrument Notes:

WEATHER OBS: **SFC/Bottom Temp.** MAX. DEPTH = m

REMARKS:

chl max ~30m ~3.5 mg/m^3
Broader thermocline

Recorder Initials:

Nis No	DEPTH DESIRED	Rosette Notes	Hydro Team-PMEL SALT	Nut.Btl	O2-Btl.No	DIC/Alk	Chloro GFF Vol	>10 Large Vol	GFF Dup Vol	>10 dup vol	POC 500 ml		Comments	Nis No
1	Bot			791	175									1
2	50			792										2
3	40			793										3
4	30			794										4
5	20			795										5
6	10			796										6
7	0			797										7
8														8
9														9
10														10
11														11
12														12
I		Inline												I

VESSEL	CRUISE ID	PROJECT & LEG	CTD FileName:	STATION NO.
Oscar Dyson	DY1609	BASIS Leg 1		014

CONSC CAST #	LATITUDE DEG	LATITUDE MIN		LONGITUDE DEG	LONGITUDE MIN		DAY	MO	YR	TIME (GMT) HR	TIME (GMT) MIN	DRY BULB (°C)	RH (%)	Pressure (mb)	WIND DIRN. (deg)	WIND SPD. (kts)	BOTTOM DEPTH (m)	STA. NAME/ID
013	55	59.88	N	164	00.29	W	27	Aug	16	12		14.0	92	1027	96	14	91	013

SBE 9+	722	FLUOR S/N	FLNTUS-2057	WEATHER OBS:	SFC/Bottom Temp.
PRESS SN	722	SBE43-Oxy (prime)	1961		MAX. DEPTH = 87 m
PRI TEMP SN	2376	SBE43-Oxy (sec)	1875		
SEC TEMP SN	4379	Transmissometer	CST-1066PR	REMARKS:	
PRI COND SN	2985	PAR S/N	70296		
SEC COND SN	3127	O2 Tmp Senson No.			

Instrument Notes:

Chl max @ ~25m, 3 mg/m^3

After cast, A-frame malfunction. No bongo at this station. Net taken at following station, 015, but no CTD or bongo. After ~1d in transit + repairs, return to stn 015 to pick up CTD.

Recorder Initials:

Nis No	DEPTH DESIRED	Rosette Notes	Hydro Team-PMEL SALT	Nut.Btl	O2-Btl.No	DIC/Alk	Chloro GFF Vol	>10 Large Vol	GFF Dup Vol	>10 dup vol	POC 500 ml		Comments	Nis No
1	Bottom		151	798										1
2	75			799										2
3	50			800			✓							3
4	40			801			✓							4
5	30			802			✓							5
6	20			803			✓	✓						6
7	10			805			✓	✓						7
8	0			806	.241		✓							8
9														9
10														10
11														11
12														12
I		Inline												I

VESSEL	CRUISE ID	PROJECT & LEG	CTD FileName:	STATION NO
Oscar Dyson	DY1609	BASIS Leg 1		015

CONSC CAST #	LATITUDE DEG	LATITUDE MIN		LONGITUDE DEG	LONGITUDE MIN		DAY	MO	YR	TIME (GMT) HR	TIME (GMT) MIN	DRY BULB (°C)	RH (%)	Pressure (mb)	WIND DIRN. (deg)	WIND SPD. (kts)	BOTTOM DEPTH (m)	STA. NAME/ID
014	56	00.06	N	165	00.21	W	29	Aug	16	11	52	13.2	87	1025	13	11	094	015

	SBE 9+	722		FLUOR S/N	FLNTUS-2057
	PRESS SN	722		SBE43-Oxy (prime)	1961
	PRI TEMP SN	2376		SBE43-Oxy (sec)	1875
	SEC TEMP SN	4379		Transmissometer	CST-1066PR
	PRI COND SN	2985		PAR S/N	70296
	SEC COND SN	3127		O2 Tmp Senson No.	

Instrument Notes:

WEATHER OBS: **SFC/Bottom Temp.** **MAX. DEPTH =** m

REMARKS:

Nuts taken ~1d earlier than CTD @ this station, due to malfunctioning A-frame.

Began adding a fractionated chl sample at closest sample depth BELOW the pycnocline, in addition to FChls @ 10 & 20m.

chl max: 25m pycnocline: 25m

Recorder Initials: JC

Nis No	DEPTH DESIRED	Rosette Notes	Hydro Team-PMEL SALT	Nut.Btl	O2-Btl.No	DIC/Alk	Chloro GFF Vol	>10 Large Vol	GFF Dup Vol	>10 dup vol	POC 500 ml		Comments	Nis No
1	Bottom			807	220									1
2	75			808										2
3	60			809										3
4	50			810										4
5	40			811										5
6	30			812				"						6
7	20			813				"						7
8	10			814				"					* 2 total samples stored: one w/ double filter, one w/o	8
9	0			815										9
10														10
11														11
12														12
1		Inline												1

VESSEL	CRUISE ID	PROJECT & LEG	CTD FileName:	STATION NO.
Oscar Dyson	DY1609	BASIS Leg 1		016

CONSC CAST #	LATITUDE DEG	LATITUDE MIN	LONGITUDE DEG	LONGITUDE MIN	DAY	MO	YR	TIME (GMT) HR	TIME (GMT) MIN	DRY BULB (°C)	RH (%)	Pressure (mb)	WIND DIRN. (deg)	WIND SPD. (kts)	BOTTOM DEPTH (m)	STA. NAME/ID
015	56	29.66 N	164	00.78 W	29	Aug	16	18	39	13.4	094	1024	356	13	81	

SBE 9+	722	FLUOR S/N	FLNTUS-2057	WEATHER OBS:	SFC/Bottom Temp.
PRESS SN	722	SBE43-Oxy (prime)	1961		MAX. DEPTH = 875 m
PRI TEMP SN	2376	SBE43-Oxy (sec)	1875		
SEC TEMP SN	4379	Transmissometer	CST-1066PR		
PRI COND SN	2985	PAR S/N	70296		
SEC COND SN	3127	O2 Tmp Senson No.			

Instrument Notes:

REMARKS: Nut Bottle order off
Coccolithophore Bloom - Sample taken

Recorder Initials:

Nis No	DEPTH DESIRED	Rosette Notes	Hydro Team-PMEL SALT	Nut.Btl	O2-Btl.No	DIC/Alk	Chloro GFF Vol.	>10 Large Vol	GFF Dup Vol	>10 dup vol	POC 500 ml	Coco	Comments	Nis No
1	BOT			816										1
2	50			819			✓							2
3	40			820			✓							3
4	30			821			✓	✓						4
5	20			822			✓	✓						5
6	10			823			✓	✓						6
7	0		x154	824	x215		✓					✓	coco Sample	7
8														8
9														9
10														10
11														11
12														12
I		Inline												I

VESSEL	CRUISE ID	PROJECT & LEG	CTD FileName:	STATION NO.
Oscar Dyson	DY1609	BASIS Leg 1		17

CONSC CAST #	LATITUDE DEG	LATITUDE MIN		LONGITUDE DEG	LONGITUDE MIN		DAY	MO	YR	TIME (GMT) HR	TIME (GMT) MIN	DRY BULB (°C)	RH (%)	Pressure (mb)	WIND DIRN. (deg)	WIND SPD. (kts)	BOTTOM DEPTH (m)	STA. NAME/ID
016	56	59.98	N	163	59.94	W	30	Aug	16	00	41	13.6	096	1022	353	13	68	

SBE 9+	722	FLUOR S/N	FLNTUS-2057	WEATHER OBS:	SFC/Bottom Temp.
PRESS SN	722	SBE43-Oxy (prime)	1961		MAX. DEPTH = 62 m
PRI TEMP SN	2376	SBE43-Oxy (sec)	1875		
SEC TEMP SN	4379	Transmissometer	CST-1066PR	REMARKS:	
PRI COND SN	2985	PAR S/N	70296		
SEC COND SN	3127	O2 Tmp Senson No.			

Instrument Notes:

Recorder Initials:

Nis No	DEPTH DESIRED	Rosette Notes	Hydro Team-PMEL SALT	Nut.Btl	O2-Btl.No	DIC/Alk	Chloro GFF Vol	>10 Large Vol	GFF Dup Vol	>10 dup vol	POC 300 ml		Comments	Nis No
1	BOT			825	x263									1
2	50			826										2
3	40			827										3
4	30			828									failed to close	4
5	20			829										5
6	10			830										6
7	0			831										7
8														8
9														9
10														10
11														11
12														12
I		Inline												I

VESSEL	CRUISE ID	PROJECT & LEG	CTD FileName:	STATION NO.
Oscar Dyson	DY1609	BASIS Leg 1		18

CONSC CAST #	LATITUDE DEG	LATITUDE MIN		LONGITUDE DEG	LONGITUDE MIN		DAY	MO	YR	TIME (GMT) HR	TIME (GMT) MIN	DRY BULB (°C)	RH (%)	Pressure (mb)	WIND DIRN. (deg)	WIND SPD. (kts)	BOTTOM DEPTH (m)	STA. NAME/ID
017	57	29.88	N	163	59.67	W	30	Aug	16	03	43	12.3	100	1021	348	16	53	018

SBE 9+	722	FLUOR S/N	FLNTUS-2057		
PRESS SN	722	SBE43-Oxy (prime)	1961		
PRI TEMP SN	2376	SBE43-Oxy (sec)	1875		
SEC TEMP SN	4379	Transmissometer	CST-1066PR		
PRI COND SN	2985	PAR S/N	70296		
SEC COND SN	3127	O2 Tmp Senson No.			

Instrument Notes:

WEATHER OBS: **SFC/Bottom Temp.** MAX. DEPTH = 45 m

REMARKS:

chl max 17 m

pycnocline: 20 m

Recorder Initials: ZA

Nis No	DEPTH DESIRED	Rosette Notes	Hydro Team-PMEL SALT	Nut.Btl	O2-Btl.No	DIC/Alk	Chloro GFF Vol	>10 Large Vol	GFF Dup Vol	>10 dup vol	POC 300 ml		Comments	Nis No
1	BOT		155	832										1
2	30			833				✓						2
3	20			834				✓						3
4	10			835			✓	✓						4
5	0			836	265		✓							5
6														6
7														7
8														8
9														9
10														10
11														11
12														12
I		Inline												I

VESSEL	CRUISE ID	PROJECT & LEG	CTD FileName:	STATION NO.
Oscar Dyson	DY1609	BASIS Leg 1		019

CONSC CAST #	LATITUDE DEG	LATITUDE MIN		LONGITUDE DEG	LONGITUDE MIN		DAY	MO	YR	TIME (GMT) HR	TIME (GMT) MIN	DRY BULB (°C)	RH (%)	Pressure (mb)	WIND DIRN. (deg)	WIND SPD. (kts)	BOTTOM DEPTH (m)	STA. NAME/ID
018	57	59.95	N	163	01.08	W	30	Aug	16	11	15	13.4	098	1018	343	14	040	019

SBE 9+	722	FLUOR S/N	FLNTUS-2057	WEATHER OBS:	SFC/Bottom Temp.
PRESS SN	722	SBE43-Oxy (prime)	1961		MAX. DEPTH = 36 m
PRI TEMP SN	2376	SBE43-Oxy (sec)	1875		
SEC TEMP SN	4379	Transmissometer	CST-1066PR		
PRI COND SN	2985	PAR S/N	70296		
SEC COND SN	3127	O2 Tmp Senson No.			

Instrument Notes:

REMARKS: Re-marked 10m tape on wire to aid in deployment.

Chl max: 13
pycnocline: 12 → shallow pycnocline; ∴ no 30m frac. chl

Recorder Initials: JC

Nis No	DEPTH DESIRED	Rosette Notes	Hydro Team-PMEL SALT	Nut.Btl	O2-Btl.No	DIC/Alk	Chloro GFF Vol	>10 Large Vol	GFF Dup Vol	>10 dup vol	POC 500 ml		Comments	Nis No
1	Bottom			837	277		/							1
2	20			838			/	/						2
3	10			839			/	/						3
4	0			840			/							4
5														5
6														6
7														7
8														8
9														9
10														10
11														11
12														12
1		Inline.												1

VESSEL	CRUISE ID	PROJECT & LEG	CTD FileName:	STATION NO.
Oscar Dyson	DY1609	BASIS Leg 1		020

CONSC CAST #	LATITUDE DEG	LATITUDE MIN		LONGITUDE DEG	LONGITUDE MIN		DAY	MO	YR	TIME (GMT) HR	TIME (GMT) MIN	DRY BULB (°C)	RH (%)	Pressure (mb)	WIND DIRN. (deg)	WIND SPD. (kts)	BOTTOM DEPTH (m)	STA. NAME/ID
01	57	59.95	N	164	00.32	W	30	Aug	16	20	22	14.0	095	1018	007	08	46	

SBE 9+	722	FLUOR S/N	FLNTUS-2057	WEATHER OBS:	SFC/Bottom Temp.
PRESS SN	722	SBE43-Oxy (prime)	1961		MAX. DEPTH = 41 m
PRI TEMP SN	2376	SBE43-Oxy (sec)	1875	REMARKS:	
SEC TEMP SN	4379	Transmissometer	CST-1066PR		
PRI COND SN	2985	PAR S/N	70296		
SEC COND SN	3127	O2 Tmp Senson No.			

Instrument Notes:

Surface O_2 + salt

Recorder Initials:

Nis No	DEPTH DESIRED	Rosette Notes	Hydro Team-PMEL SALT	Nut.Btl	O2-Btl.No	DIC/Alk	Chloro GFF Vol	>10 Large Vol	GFF Dup Vol	>10 dup vol	POC 500 ml		Comments	Nis No
1	BOT			841										1
2	30			842				—						2
3	20			843			—	—						3
4	10			844				—						4
5	0		156	845	285		—							5
6														6
7														7
8														8
9														9
10														10
11														11
12														12
I		Inline												I

VESSEL	CRUISE ID	PROJECT & LEG	CTD FileName:	STATION NO.
Oscar Dyson	DY1609	BASIS Leg 1		021

CONSC CAST #	LATITUDE DEG	LATITUDE MIN		LONGITUDE DEG	LONGITUDE MIN		DAY	MO	YR	TIME (GMT) HR	TIME (GMT) MIN	DRY BULB (°C)	RH (%)	Pressure (mb)	WIND DIRN. (deg)	WIND SPD. (kts)	BOTTOM DEPTH (m)	STA. NAME/ID
020	58	29.94	N	164	00.54	W	30	Aug	16	23	31	13.8	096	1018	056	08	37	

SBE 9+	722	FLUOR S/N	FLNTUS-2057	WEATHER OBS:	SFC/Bottom Temp.
PRESS SN	722	SBE43-Oxy (prime)	1961		MAX. DEPTH = 32 m
PRI TEMP SN	2376	SBE43-Oxy (sec)	1875	REMARKS:	
SEC TEMP SN	4379	Transmissometer	CST-1066PR		
PRI COND SN	2985	PAR S/N	70296		
SEC COND SN	3127	O2 Tmp Senson No.			

Instrument Notes:

Recorder Initials:

Nis No	DEPTH DESIRED	Rosette Notes	Hydro Team-PMEL SALT	Nut.Btl	O2-Btl.No	DIC/Alk	Chloro GFF Vol	>10 Large Vol	GFF Dup Vol	>10 dup vol	PDC 500ml		Comments	Nis No
1	BOT			846	286									1
2	20			847										2
3	10			848										3
4	0			849										4
5														5
6														6
7														7
8														8
9														9
10														10
11														11
12														12
1		Inline												1

VESSEL	CRUISE ID	PROJECT & LEG	CTD FileName:	STATION NO.
Oscar Dyson	DY1609	BASIS Leg 1		022

CONSC CAST #	LATITUDE DEG	LATITUDE MIN		LONGITUDE DEG	LONGITUDE MIN		DAY	MO	YR	TIME (GMT) HR	TIME (GMT) MIN	DRY BULB (°C)	RH (%)	Pressure (mb)	WIND DIRN. (deg)	WIND SPD. (kts)	BOTTOM DEPTH (m)	STA. NAME/ID
021	58	00.20	N	164	59.79	W	31	Aug	16	03	28	14.0	094	1016	81	09	78	022

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		O2 Tmp Senson No.	

Instrument Notes:

WEATHER OBS: **SFC/Bottom Temp.** MAX. DEPTH = m

REMARKS:

Recorder Initials:

Nis No	DEPTH DESIRED	Rosette Notes	Hydro Team-PMEL SALT	Nut.Btl	O2-Btl.No	DIC/Alk	Chloro GFF Vol	>10 Large Vol	GFF Dup Vol	>10 dup vol	POC 500 ml		Comments	Nis No
1	Bottom		157	850			/							1
2	30			851			/	/						2
3	17			852			/	/						3
4	10			853			/	/						4
5	0			854	x288		/							5
6														6
7														7
8														8
9														9
10														10
11														11
12														12
I		Inline												I

VESSEL	CRUISE ID	PROJECT & LEG	CTD FileName:	STATION NO.
Oscar Dyson	DY1609	BASIS Leg 1		023

CONSC CAST #	LATITUDE DEG	LATITUDE MIN		LONGITUDE DEG	LONGITUDE MIN		DAY	MO	YR	TIME (GMT) HR	TIME (GMT) MIN	DRY BULB (°C)	RH (%)	Pressure (mb)	WIND DIRN. (deg)	WIND SPD. (kts)	BOTTOM DEPTH (m)	STA. NAME/ID
072	57	30.07	N	164	59.64	W	31	Aug	16	06	4	11.7	100	1016	86	10	64	023

☐	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	☐	O2 Tmp Senson No.

Instrument Notes:

WEATHER OBS: **SFC/Bottom Temp.** MAX. DEPTH = 60 m

REMARKS:

Broad chl max, centered at ~15m
Corresponding high turbidity over same depth layer (10-20m)

Bottom O_2

Recorder Initials:

Nis No	DEPTH DESIRED	Rosette Notes	Hydro Team-PMEL SALT	Nut.Btl	O2-Btl.No	DIC/Alk	Chloro GFF Vol	>10 Large Vol	GFF Dup Vol	>10 dup vol	POC 500 ml		Comments	Nis No
1	Bottom			855	289									1
2	50			856			✓							2
3	40			857			✓							3
4	30			858			✓	✓						4
5	20			859			✓	✓						5
6	10			860			✓	✓						6
7	0			861			✓							7
8														8
9														9
10														10
11														11
12														12
I		Inline												I

VESSEL	CRUISE ID	PROJECT & LEG	CTD FileName:	STATION NO.
Oscar Dyson	DY1609	BASIS Leg 1		024

CONSC CAST #	LATITUDE DEG	LATITUDE MIN		LONGITUDE DEG	LONGITUDE MIN		DAY	MO	YR	TIME (GMT) HR	TIME (GMT) MIN	DRY BULB (°C)	RH (%)	Pressure (mb)	WIND DIRN. (deg)	WIND SPD. (kts)	BOTTOM DEPTH (m)	STA. NAME/ID
D23	58	00.18	N	162	00.54	W	31	Aug	16	16	07	14.7	109	1016	089	14	38	024

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		O2 Tmp Senson No.	

Instrument Notes:

WEATHER OBS: **SFC/Bottom Temp.** MAX. DEPTH = 33 m

REMARKS: Rel Humidity Sensor Wrong

Surface O_2
Surface salt

Recorder Initials:

Nis No	DEPTH DESIRED	Rosette Notes	Hydro Team-PMEL SALT	Nut.Btl	O2-Btl.No	DIC/Alk	Chloro GFF Vol	>10 Large Vol	GFF Dup Vol	>10 dup vol	POC 500 ml		Comments	Nis No
1	BOT			862			✓	✓						1
2	20			863			✓	✓						2
3	10			864			✓	✓						3
4	0		158	865	291		✓							4
5														5
6														6
7														7
8														8
9														9
10														10
11														11
12														12
I		Inline												I

VESSEL	CRUISE ID	PROJECT & LEG	CTD FileName:	STATION NO.
Oscar Dyson	DY1609	BASIS Leg 1		25

CONSC CAST #	LATITUDE DEG	LATITUDE MIN		LONGITUDE DEG	LONGITUDE MIN		DAY	MO	YR	TIME (GMT) HR	TIME (GMT) MIN	DRY BULB (°C)	RH (%)	Pressure (mb)	WIND DIRN. (deg)	WIND SPD. (kts)	BOTTOM DEPTH (m)	STA. NAME/ID
025	58	29.97	N	164	59.94	W	01	Sep	16	08	44	14.4	087	1015	81	13	41	027

SBE 9+	722	FLUOR S/N	FLNTUS-2057
PRESS SN	722	SBE43-Oxy (prime)	1961
PRI TEMP SN	2376	SBE43-Oxy (sec)	1875
SEC TEMP SN	4379	Transmissometer	CST-1066PR
PRI COND SN	2985	PAR S/N	70296
SEC COND SN	3127	O2 Trap Senson No.	

Instrument Notes:

WEATHER OBS: SFC/Bottom Temp. MAX. DEPTH = 36 m

REMARKS:

chl max ~17m

Recorder Initials:

Nis No	DEPTH DESIRED	Rosette Notes	Hydro Team-PMEL SALT	Nut.Btl	O2-Btl.No	DIC/Alk	Chloro GFF Vol	>10 Large Vol	GFF Dup Vol	>10 dup vol	POC 500 ml		ommen	Nis No
1	Bottom			867	292		/							1
2	20			868			/	/						2
3	10			869			/	/						3
4	0			870			/							4
5														5
6														6
7														7
8														8
9														9
10														10
11														11
12														12
I		Inline												I

VESSEL	CRUISE ID	PROJECT & LEG	CTD FileName:	STATION NO.
Oscar Dyson	DY1609	BASIS Leg 1		026

CONSC CAST #	LATITUDE DEG	LATITUDE MIN		LONGITUDE DEG	LONGITUDE MIN		DAY	MO	YR	TIME (GMT) HR	TIME (GMT) MIN	DRY BULB (°C)	RH (%)	Pressure (mb)	WIND DIRN. (deg)	WIND SPD. (kts)	BOTTOM DEPTH (m)	STA. NAME/ID
	57	59.89	N	166	00.12	W	01	Sep	16	21	15	14.2	93	1014	115	10	57	

SBE 9+	722	FLUOR S/N	FLNTUS-2057
PRESS SN	722	SBE43-Oxy (prime)	1961
PRI TEMP SN	2376	SBE43-Oxy (sec)	1875
SEC TEMP SN	4379	Transmissometer	CST-1066PR
PRI COND SN	2985	PAR S/N	70296
SEC COND SN	3127	O2 Tmp Senson No.	

Instrument Notes:

WEATHER OBS: SFC/Bottom Temp. MAX. DEPTH = 54 m

REMARKS:

Recorder Initials:

Nis No	DEPTH DESIRED	Rosette Notes	Hydro Team-PMEL SALT	Nut.Btl	O2-Btl.No	DIC/Alk	Chloro GFF Vol	>10 Large Vol	GFF Dup Vol	>10 dup vol	POC 500 ml		ommen	Nis No
1	BOT			871			✓							1
2	40			872			✓							2
3	30			873			✓	✓						3
4	20			874			✓	✓						4
5	10			875			✓	✓						5
6	0		160	876	293		✓							6
7														7
8														8
9														9
10														10
11														11
12														12
I		Inline												I

VESSEL	CRUISE ID	PROJECT & LEG	CTD FileName:	STATION NO.
Oscar Dyson	DY1609	BASIS Leg 1		027

CONSC CAST #	LATITUDE DEG	LATITUDE MIN		LONGITUDE DEG	LONGITUDE MIN		DAY	MO	YR	TIME (GMT) HR	TIME (GMT) MIN	DRY BULB (°C)	RH (%)	Pressure (mb)	WIND DIRN. (deg)	WIND SPD. (kts)	BOTTOM DEPTH (m)	STA. NAME/ID
026	57	30.32	N	166	00.24	W	02	Sep	16	02	27	14.4	097	1014	140	06	67	028

SBE 9+	722	FLUOR S/N	FLNTUS-2057
PRESS SN	722	SBE43-Oxy (prime)	1961
PRI TEMP SN	2376	SBE43-Oxy (sec)	1875
SEC TEMP SN	4379	Transmissometer	CST-1066PR
PRI COND SN	2985	PAR S/N	70296
SEC COND SN	3127	O2 Tmp Senson No	

Instrument Notes:

WEATHER OBS: SFC/Bottom Temp. MAX. DEPTH = 61 m

REMARKS:

Coccolithophores! High turbidity at surface

Chl max = 15m

Pycnocline = 20m

Recorder Initials:

Nis No	DEPTH DESIRED	Rosette Notes	Hydro Team-PMEL SALT	Nut.Btl	O2-Btl.No	DIC/Alk	Chloro GFF Vol	>10 Large Vol	GFF Dup Vol	>10 dup vol	POC 500 ml		ommen	Nis No
1	Bottom			877	3416									1
2	50			878			✓							2
3	40			879			✓							3
4	30			880			✓	✓						4
5	20			881			✓	✓						5
6	10			882			✓	✓						6
7	0			883			✓						coccolithophore sample preserved	7
8														8
9														9
10														10
11														11
12														12
I		Inline												I

VESSEL	CRUISE ID	PROJECT & LEG	CTD FileName	STATION NO.
Oscar Dyson	DY1609	BASIS Leg 1		29

CONSC CAST #	LATITUDE DEG	LATITUDE MIN		LONGITUDE DEG	LONGITUDE MIN		DAY	MO	YR	TIME (GMT) HR	TIME (GMT) MIN	DRY BULB (°C)	RH (%)	Pressure (mb)	WIND DIRN. (deg)	WIND SPD. (kts)	BOTTOM DEPTH (m)	STA. NAME/ID
027	57	00.05	N	166	00.00	W	02	Sep	16	09	45	13.9	095	1014	142	08	73	029

SBE 9+	722	FLUOR S/N	FLNTUS-2057
PRESS SN	722	SBE43-Oxy (prime)	1961
PRI TEMP SN	2376	SBE43-Oxy (sec)	1875
SEC TEMP SN	4379	Transmissometer	CST-1066PR
PRI COND SN	2985	PAR S/N	70296
SEC COND SN	3127	O2 Tmp Senson No.	

Instrument Notes:

WEATHER OBS: SFC/Bottom Temp. MAX. DEPTH = 69 m

REMARKS:

coccos! large turbidity max @ surface
Chl max: 14m
pycnocline ~20m

*surface O2
Bottom salt

Recorder Initials:

Nis No	DEPTH DESIRED	Rosette Notes	Hydro Team-PMEL SALT	Nut.Btl	O2-Btl.No	DIC/Alk	Chloro GFF Vol	>10 Large Vol	GFF Dup Vol	>10 dup vol	POC 500 ml		ommen	Nis No
1	Bottom		.1b1	884										1
2	50			885			✓							2
3	40			886			✓							3
4	30			887			✓	✓						4
5	20			888			✓	✓						5
6	10			869			✓	✓						6
7	0			890	.351		✓							7
8														8
9														9
10														10
11														11
12														12
I		Inline												I

VESSEL	CRUISE ID	PROJECT & LEG	CTD FileName	STATION NO.
Oscar Dyson	DY1609	BASIS Leg 1		30

CONSC CAST #	LATITUDE DEG	LATITUDE MIN		LONGITUDE DEG	LONGITUDE MIN		DAY	MO	YR	TIME (GMT) HR	TIME (GMT) MIN	DRY BULB (°C)	RH (%)	Pressure (mb)	WIND DIRN. (deg)	WIND SPD. (kts)	BOTTOM DEPTH (m)	STA. NAME/ID
028	57	59.98	N	165	01.91	W	02	Sep	16	13	30						71	030

SBE 9+	722	FLUOR S/N	FLNTUS-2057
PRESS SN	722	SBE43-Oxy (prime)	1961
PRI TEMP SN	2376	SBE43-Oxy (sec)	1875
SEC TEMP SN	4379	Transmissometer	CST-1066PR
PRI COND SN	2985	PAR S/N	70296
SEC COND SN	3127	O2 Tmp Senson No	

Instrument Notes:

Something caught in 1°S sensor; slight dilation (periodic) in upcast data

WEATHER OBS: SFC/Bottom Temp. MAX. DEPTH = 67 m

REMARKS:

2-step thermocline), broad chl max 15-20m

coccos; slight turbidity max @ surface

+ Bottom O_2

+ No salt

Used wrong monose to fire bottle @ depth; ∴ NOA triggered twice for CTD @ depth

Recorder Initials:

Nis No	DEPTH DESIRED	Rosette Notes	Hydro Team-PMEL SALT	Nut.Btl	O2-Btl.No	DIC/Alk	Chloro GFF Vol	>10 Large Vol	GFF Dup Vol	>10 dup vol	POC 500 ml		ommen	Nis No
1	Bottom			891	352									1
2	50			892			/							2
3	40			893			/							3
4	30			894			/	/						4
5	20			895			/	/						5
6	10			896			/	/						6
7	0			897			/							7
8														8
9														9
10														10
11														11
12														12
I		Inline												I

VESSEL	CRUISE ID	PROJECT & LEG	CTD FileName	STATION NO.
Oscar Dyson	DY1609	BASIS Leg 1		31

CONSC CAST #	LATITUDE DEG	LATITUDE MIN	LONGITUDE DEG	LONGITUDE MIN		DAY	MO	YR	TIME (GMT) HR	TIME (GMT) MIN	DRY BULB (°C)	RH (%)	Pressure (mb)	WIND DIRN. (deg)	WIND SPD. (kts)	BOTTOM DEPTH (m)	STA. NAME/ID
029	53	30.43 N	165	00.07 W		02	Sep	16	2025		14.7	096	1011	126	17	79	31

SBE 9+	722	FLUOR S/N	FLNTUS-2057
PRESS SN	722	SBE43-Oxy (pnme)	1961
PRI TEMP SN	2376	SBE43-Oxy (sec)	1875
SEC TEMP SN	4379	Transmissometer	CST-1066PR
PRI COND SN	2985	PAR S/N	70296
SEC COND SN	3127	O2 Tmp Senson No.	

Instrument Notes:

WEATHER OBS: **SFC/Bottom Temp.** MAX. DEPTH = 74 m

REMARKS:

Nice double thermocline

Loco Sample

Recorder Initials:

Nis No	DEPTH DESIRED	Rosette Notes	Hydro Team-PMEL SALT	Nut.Btl	O2-Btl.No	DIC/Alk	Chloro GFF Vol	>10 Large Vol	GFF Dup Vol	>10 dup vol	POC 500 ml		ommen	Nis No
1	BOT			898										1
2	50			900			/							2
3	40			901			/							3
4	30			902			/	/						4
5	20			903			/	/						5
6	10			904			/	/						6
7	0	163		905	353		/						Loco. Sample	7
8														8
9														9
10														10
11														11
12														12
1		Inline												1

VESSEL	CRUISE ID	PROJECT & LEG	CTD FileName	STATION NO.
Oscar Dyson	DY1609	BASIS Leg 1		033

CONSC CAST #	LATITUDE DEG	LATITUDE MIN		LONGITUDE DEG	LONGITUDE MIN		DAY	MO	YR	TIME (GMT) HR	TIME (GMT) MIN	DRY BULB (°C)	RH (%)	Pressure (mb)	WIND DIRN. (deg)	WIND SPD. (kts)	BOTTOM DEPTH (m)	STA. NAME/ID
030	56	30.58	N	165	59.19	W	03	Sep	16	01	48	14.6	098	1008	140	11	86	033

SBE 9+	722	FLUOR S/N	FLNTUS-2057
PRESS SN	722	SBE43-Oxy (prime)	1961
PRI TEMP SN	2376	SBE43-Oxy (sec)	1875
SEC TEMP SN	4379	Transmissometer	CST-1066PR
PRI COND SN	2985	PAR S/N	70296
SEC COND SN	3127	O2 Tmp Senson No.	

Instrument Notes:

WEATHER OBS: **SFC/Bottom Temp.** MAX. DEPTH = 82 m

REMARKS:

Three-step pycnocline
No more coccos, turbidity min @ surface
Broad Chl max, 15-30m

*Bottom O_2
& No salt

Recorder Initials:

Nis No	DEPTH DESIRED	Rosette Notes	Hydro Team-PMEL SALT	Nut.Btl	O2-Btl.No	DIC/Alk	Chloro GFF Vol	>10 Large Vol	GFF Dup Vol	>10 dup vol	POC 500 ml		ommen	Nis No
1	BOT			907	355									1
2	60			908										2
3	50			909			—	—						3
4	40			910			—							4
5	30	bottom endcap not well seated	LEAK	911			—							5
6	20	Nipple/valve not closed	LEAK	912			—	—						6
7	10			913			—	—						7
8	0			914			—							8
9														9
10														10
11														11
12														12
I		Inline												I

VESSEL	CRUISE ID	PROJECT & LEG	CTD FileName	STATION NO.
Oscar Dyson	DY1609	BASIS Leg 1		034

CONSC CAST #	LATITUDE DEG	LATITUDE MIN		LONGITUDE DEG	LONGITUDE MIN		DAY	MO	YR	TIME (GMT) HR	TIME (GMT) MIN	DRY BULB (°C)	RH (%)	Pressure (mb)	WIND DIRN. (deg)	WIND SPD. (kts)	BOTTOM DEPTH (m)	STA. NAME/ID
034	56	00.19	N	165	59.59	W	03	Sep	16	07	33	13.6	100	1006	130	13	114	034

SBE 9+	722	FLUOR S/N	FLNTUS-2057
PRESS SN	722	SBE43-Oxy (prime)	1961
PRI TEMP SN	2376	SBE43-Oxy (sec)	1875
SEC TEMP SN	4379	Transmissometer	CST-1066PR
PRI COND SN	2985	PAR S/N	70296
SEC COND SN	3127	O2 Tmp Sensor No.	

Instrument Notes:

WEATHER OBS: SFC/Bottom Temp. MAX DEPTH = 109 m

REMARKS: Event 100! Pycnocline ~27m
Surface chl to ~25m
Bottom increase in turbidity

*Surface O_2
*Bottom salt

Recorder Initials: JC

Nis No	DEPTH DESIRED	Rosette Notes	Hydro Team-PMEL SALT	Nut.Btl	O2-Btl.No	DIC/Alk	Chloro GFF Vol	>10 Large Vol	GFF Dup Vol	>10 dup vol	POC 500 ml		ommen	Nis No
1	Bottom		165	915										1
2	75			916										2
3	50			917			/							3
4	40	Did not fire		918			/							4
5	30			919			/	/						5
6	20			920			/	/						6
7	10			921			/	/						7
8	0			922	356		/							8
9														9
10														10
11														11
12														12
I		Inline												I

VESSEL	CRUISE ID	PROJECT & LEG	CTD FileName:	STATION NO.
Oscar Dyson	DY1609	BASIS Leg 1		035

CONSC CAST #	LATITUDE DEG	LATITUDE MIN		LONGITUDE DEG	LONGITUDE MIN		DAY	MO	YR	TIME (GMT) HR	TIME (GMT) MIN	DRY BULB (°C)	RH (%)	Pressure (mb)	WIND DIRN. (deg)	WIND SPD. (kts)	BOTTOM DEPTH (m)	STA. NAME/ID
032	55	29.81	N	165	59.70	W	03	Sep	16	11	09	12.71	100	1005	217	13	121	035

SBE 9+	722	FLUOR S/N	FLNTUS-2057
PRESS SN	722	SBE43-Oxy (prime)	1961
PRI TEMP SN	2376	SBE43-Oxy (sec)	1875
SEC TEMP SN	4379	Transmissometer	CST-1066PR
PRI COND SN	2985	PAR S/N	70296
SEC COND SN	3127	O2 Tmp Senson No.	

Instrument Notes:

WEATHER OBS: **SFC/Bottom Temp.** MAX. DEPTH = 116 m

REMARKS:

Chl max @ ~20m; v. broad pycnocline, ~10-35m

*Bottom O_2

*No salt

Recorder Initials:

Nis No	DEPTH DESIRED	Rosette Notes	Hydro Team-PMEL SALT	Nut.Btl	O2-Btl.No	DIC/Alk	Chloro GFF Vol	>10 Large Vol	GFF Dup Vol	>10 dup vol	POC 500 ml		ommen	Nis No
1	Bottom			923	360									1
2	75			924										2
3	50			925			✓							3
4	40			926			✓	✓						4
5	30			927			✓							5
6	20			928			✓	✓					filter was v. pinkish	6
7	10			929			✓	✓						7
8	0			930			✓							8
9														9
10														10
11														11
12														12
I		Inline												I

VESSEL	CRUISE ID	PROJECT & LEG	CTD FileName:	STATION NO.
Oscar Dyson	DY1609	BASIS Leg 1		036

CONSC CAST #	LATITUDE DEG	LATITUDE MIN	LONGITUDE DEG	LONGITUDE MIN	DAY	MO	YR	TIME (GMT) HR	TIME (GMT) MIN	DRY BULB (°C)	RH (%)	Pressure (mb)	WIND DIRN. (deg)	WIND SPD. (kts)	BOTTOM DEPTH (m)	STA. NAME/ID
033	55	29.75 N	165	00.84 W	03	Sep	16	21	21	12.80	98	1006	175	12	166	036

SBE 9+	722	FLUOR S/N	FLNTUS-2057
PRESS SN	722	SBE43-Oxy (prime)	1961
PRI TEMP SN	2376	SBE43-Oxy (sec)	1875
SEC TEMP SN	4379	Transmissometer	CST-1066PR
PRI COND SN	2985	PAR S/N	70296
SEC COND SN	3127	O2 Tmp Senson No.	

Instrument Notes:

WEATHER OBS: **SFC/Bottom Temp.** MAX. DEPTH = 101 m

REMARKS:

★Surface O_2
★ Surface Salt

Recorder Initials:

Nis No	DEPTH DESIRED	Rosette Notes	Hydro Team-PMEL SALT	Nut.Btl	O2-Btl.No	DIC/Alk	Chloro GFF Vol	>10 Large Vol	GFF Dup Vol	>10 dup vol	POC 500 ml		ommen	Nis No
1	BOT			931										1
2	75			932										2
3	50			933			✓							3
4	40			934			✓							4
5	30			935			✓	✓						5
6	20			936			✓	✓						6
7	10			937	361		✓	✓						7
8	0		166	938	361		✓							8
9														9
10														10
11														11
12														12
I		Inline												I

VESSEL	CRUISE ID	PROJECT & LEG	CTD FileName	STATION NO.
Oscar Dyson	DY1609	BASIS Leg 1		037

CONSC CAST #	LATITUDE DEG	LATITUDE MIN		LONGITUDE DEG	LONGITUDE MIN		DAY	MO	YR	TIME (GMT) HR	TIME (GMT) MIN	DRY BULB (°C)	RH (%)	Pressure (mb)	WIND DIRN. (deg)	WIND SPD. (kts)	BOTTOM DEPTH (m)	STA. NAME/ID
034	55	00.15	N	164	59.65	W	04	Sep	16	00	38	12.7	090	1006	190	17	104	

SBE 9+	722	FLUOR S/N	FLNTUS-2057
PRESS SN	722	SBE43-Oxy (prime)	1961
PRI TEMP SN	2376	SBE43-Oxy (sec)	1875
SEC TEMP SN	4379	Transmissometer	CST-1066PR
PRI COND SN	2985	PAR S/N	70296
SEC COND SN	3127	O2 Tmp Senson No	

Instrument Notes:

WEATHER OBS: **SFC/Bottom Temp.** MAX. DEPTH = 99 m

REMARKS:

Recorder Initials:

Nis No	DEPTH DESIRED	Rosette Notes	Hydro Team-PMEL SALT	Nut.Btl	O2-Btl.No	DIC/Alk	Chloro GFF Vol	>10 Large Vol	GFF Dup Vol	>10 dup vol	POC 500 ml		ommen	Nis No
1	BOT			939	362									1
2	75			940										2
3	50			941			✓							3
4	40			942			✓							4
5	30			943			✓	✓						5
6	20			944			✓	✓						6
7	10			945			✓	✓						7
8	0			946			✓							8
9														9
10														10
11														11
12														12
I		Inline												I

VESSEL	CRUISE ID	PROJECT & LEG	CTD FileName:	STATION NO.
Oscar Dyson	DY1609	BASIS Leg 1		038

CONSC CAST #	LATITUDE DEG	LATITUDE MIN		LONGITUDE DEG	LONGITUDE MIN		DAY	MO	YR	TIME (GMT) HR	TIME (GMT) MIN	DRY BULB (°C)	RH (%)	Pressure (mb)	WIND DIRN. (deg)	WIND SPD. (kts)	BOTTOM DEPTH (m)	STA. NAME/ID
	035	59.49	N	167	00.88	W	07	Sep	16	15	41	10.4	61	1018	357	16	134	038

SBE 9+	722	FLUOR S/N	FLNTUS-2057
PRESS SN	722	SBE43-Oxy (prime)	1961
PRI TEMP SN	2376	SBE43-Oxy (sec)	1875
SEC TEMP SN	4379	Transmissometer	CST-1066PR
PRI COND SN	2985	PAR S/N	70296
SEC COND SN	3127	O2 Tmp Senson No.	

Instrument Notes:

WEATHER OBS: SFC/Bottom Temp. MAX. DEPTH = 130 m

REMARKS:

* Surface O_2
* Bottom salt

Reorder Initials:

Nis No	DEPTH DESIRED	Rosette Notes	Hydro Team-PMEL SALT	Nut.Btl	O2-Btl.No	DIC/Alk	Chloro GFF Vol	>10 Large Vol	GFF Dup Vol	>10 dup vol	POC 500 ml		ommen	Nis No
1	Bot			947										1
2	100			948										2
3	75			949										3
4	50			950										4
5	40			951										5
6	30			952										6
7	20			953										7
8	10			954										8
9	0			955	363									9
10														10
11														11
12														12
1		Inline												1

VESSEL	CRUISE ID	PROJECT & LEG	CTD FileName:	STATION NO.
Oscar Dyson	DY1609	BASIS Leg 1	Event 116	039

CONSC CAST #	LATITUDE DEG	LATITUDE MIN		LONGITUDE DEG	LONGITUDE MIN		DAY	MO	YR	TIME (GMT) HR	TIME (GMT) MIN	DRY BULB (°C)	RH (%)	Pressure (mb)	WIND DIRN. (deg)	WIND SPD. (kts)	BOTTOM DEPTH (m)	STA. NAME/ID
036	S 6	29.94	N	167	00.18	W	07	Sep	16	23	31	10.3	68	1019	317	12	105	039

SBE 9+	722	FLUOR S/N	FLNTUS-2057
PRESS SN	722	SBE43-Oxy (prime)	1961
PRI TEMP SN	2376	SBE43-Oxy (sec)	1875
SEC TEMP SN	4379	Transmissometer	CST-1066PR
PRI COND SN	2985	PAR S/N	70296
SEC COND SN	3127	O2 Tmp Senson No.	

Instrument Notes:

WEATHER OBS: **SFC/Bottom Temp.** MAX. DEPTH = 101 m

REMARKS: Start of DY1609 Leg 2 (II) Chlorophyll station numbers are actually CTD cast numbers

Recorder Initials:

Nis No	DEPTH DESIRED	Rosette Notes	Hydro Team-PMEL SALT	Nut.Btl	O2-Btl.No	DIC/Alk	Chloro GFF Vol	>10 Large Vol	GFF Dup Vol	>10 dup vol	POC 500 ml		ommen	Nis No
1	Bot			956										1
2	75			957										2
3	50			958			✓							3
4	40			959			✓							4
5	30			960			✓	✓						5
6	20			961			✓	✓						6
7	10			962			✓	✓						7
8	0		191	963	364		✓							8
9														9
10														10
11														11
12														12
I		Inline												I

VESSEL	CRUISE ID	PROJECT & LEG	CTD FileName	STATION NO
Oscar Dyson	DY1609	BASIS Leg 1	Event = 118	40

CONSC CAST #	LATITUDE DEG	LATITUDE MIN		LONGITUDE DEG	LONGITUDE MIN		DAY	MO	YR	TIME (GMT) HR	TIME (GMT) MIN	DRY BULB (°C)	RH (%)	Pressure (mb)	WIND DIRN. (deg)	WIND SPD. (kts)	BOTTOM DEPTH (m)	STA. NAME/ID
37	56	59.74	N	167	00.44	W	08	Sep	16	03	10	10.7	073	1019	340	15	74	40

SBE 9+	722	FLUOR S/N	FLNTUS-2057
PRESS SN	722	SBE43-Oxy (prime)	1961
PRI TEMP SN	2376	SBE43-Oxy (sec)	1875
SEC TEMP SN	4379	Transmissometer	CST-1066PR
PRI COND SN	2985	PAR S/N	70296
SEC COND SN	3127	O2 Tmp Senson No.	

Instrument Notes:

WEATHER OBS: SFC/Bottom Temp. MAX. DEPTH = 108 m

REMARKS:

Recorder Initials:

Nis No	DEPTH DESIRED	Rosette Notes	Hydro Team-PMEL SALT	Nut.Btl	O2-Btl.No	DIC/Alk	Chloro GFF Vol	>10 Large Vol	GFF Dup Vol	>10 dup vol	POC 500 ml		ommen	Nis No
1	Bot			964	x365									1
2	50			965			✓							2
3	40			966			✓							3
4	30			967			✓	✓						4
5	20			968			✓	✓						5
6	10			969			✓	✓						6
7	0			970			✓							7
8														8
9														9
10														10
11														11
12														12
1		Inline												1

VESSEL	CRUISE ID	PROJECT & LEG	CTD FileName:	STATION NO.
Oscar Dyson	DY1609	BASIS Leg 1	Event 122	41

CONSC CAST #	LATITUDE DEG	LATITUDE MIN		LONGITUDE DEG	LONGITUDE MIN		DAY	MO	YR	TIME (GMT) HR	TIME (GMT) MIN	DRY BULB (°C)	RH (%)	Pressure (mb)	WIND DIRN. (deg)	WIND SPD. (kts)	BOTTOM DEPTH (m)	STA. NAME/ID
038	57	28.93	N	167	00.28	W	08	Sep	16	12	31	10.8	074	1019		16	70	41

SBE 9+	722	FLUOR S/N	FLNTUS-2057
PRESS SN	722	SBE43-Oxy (prime)	1961
PRI TEMP SN	2376	SBE43-Oxy (sec)	1875
SEC TEMP SN	4379	Transmissometer	CST-1066PR
PRI COND SN	2985	PAR S/N	70296
SEC COND SN	3127	O2 Tmp Sensor No	

Instrument Notes:

WEATHER OBS: Cocco Bloom 0-20m **SFC/Bottom Temp.**

MAX. DEPTH = 65 m

REMARKS:

TSG Chloro - 9/8/2016 13:40
T= 13.18
Chloro Counts = 355 Chl. mg/l/cut 3.76
Chlorophyll Blank

Recorder Initials:

Nis No	DEPTH DESIRED	Rosette Notes	Hydro Team-PMEL SALT	Nut.Btl	O2-Btl No	DIC/Alk	Chloro GFF Vol	>10 Large Vol	GFF Dup Vol	>10 dup vol	POC 500 ml		ommen	Nis No
1	BOT		192	971										1
2	50			972			✓							2
3	40			973			✓							3
4	30			974			✓	✓						4
5	20			975			✓	✓						5
6	10			976			✓	✓						6
7	0			977	366		✓							7
8														8
9														9
10														10
11														11
12														12
I		Inline												I

VESSEL	CRUISE ID	PROJECT & LEG	CTD FileName	STATION NO.
Oscar Dyson	DY1609	BASIS Leg 1	Event 124	42

CONSC CAST #	LATITUDE DEG	LATITUDE MIN		LONGITUDE DEG	LONGITUDE MIN		DAY	MO	YR	TIME (GMT) HR	TIME (GMT) MIN	DRY BULB (°C)	RH (%)	Pressure (mb)	WIND DIRN. (deg)	WIND SPD. (kts)	BOTTOM DEPTH (m)	STA. NAME/ID
039	57	59.62	N	167	00.43	W	08	Sep	16	16	08	10.7	67	1019	338	13	63	42

SBE 9+	722	FLUOR S/N	FLNTUS-2057
PRESS SN	722	SBE43-Oxy (prime)	1961
PRI TEMP SN	2376	SBE43-Oxy (sec)	1875
SEC TEMP SN	4379	Transmissometer	CST-1066PR
PRI COND SN	2985	PAR S/N	70296
SEC COND SN	3127	O2 Tmp Senson No.	

Instrument Notes:

WEATHER OBS: SFC/Bottom Temp. MAX. DEPTH = 59 m

REMARKS: Still in the Coccolithes

Recorder Initials:

Nis No	DEPTH DESIRED	Rosette Notes	Hydro Team-PMEL SALT	Nut.Btl	O2-Btl.No	DIC/Alk	Chloro GFF Vol	>10 Large Vol	GFF Dup Vol	>10 dup vol	POC 500 ml		ommen	Nis No
1	BOT			978	367x		✓							1
2	50			979			✓							2
3	40			980			✓							3
4	30			981			✓	✓						4
5	20			982			✓	✓						5
6	10			983			✓	✓	250					6
7	0			984			✓							7
8														8
9														9
10														10
11														11
12														12
I		Inline												I

VESSEL	CRUISE ID	PROJECT & LEG	CTD FileName:	STATION NO.
Oscar Dyson	DY1609	BASIS Leg 1	Event 129	44

CONSC CAST #	LATITUDE DEG	LATITUDE MIN		LONGITUDE DEG	LONGITUDE MIN		DAY	MO	YR	TIME (GMT) HR	TIME (GMT) MIN	DRY BULB (°C)	RH (%)	Pressure (mb)	WIND DIRN. (deg)	WIND SPD. (kts)	BOTTOM DEPTH (m)	STA. NAME/ID
40	58	29.65	N	169	59.87	W	09	Sep	16	01	15	10.6	85	1019	335	16	46	44

SBE 9+	722	FLUOR S/N	FLNTUS-2057
PRESS SN	722	SBE43-Oxy (prime)	1961
PRI TEMP SN	2376	SBE43-Oxy (sec)	1875
SEC TEMP SN	4379	Transmissometer	CST-1066PR
PRI COND S/N	2985	PAR S/N	70296
SEC COND SN	3127	O2 Tmp Senson No.	

Instrument Notes:

WEATHER OBS: SFC/Bottom Temp. MAX. DEPTH = 41 m

REMARKS:

Recorder Initials:

Nis No	DEPTH DESIRED	Rosette Notes	Hydro Team-PMEL SALT	Nut.Btl	O2-Btl.No	DIC/Alk	Chloro GFF Vol	>10 Large Vol	GFF Dup Vol	>10 dup vol	POC 500 ml		ommen	Nis No
1	Bot			985			✓							1
2	30			986			✓	✓						2
3	20			987			✓	✓						3
4	10			988			✓	✓						4
5	0		193	989	368		✓							5
6														6
7														7
8														8
9														9
10														10
11														11
12														12
I		Inline												I

VESSEL	CRUISE ID	PROJECT & LEG	CTD FileName:	STATION NO.
Oscar Dyson	DY1609	BASIS Leg 1	Event 131	45

CONSC CAST #	LATITUDE DEG	LATITUDE MIN		LONGITUDE DEG	LONGITUDE MIN		DAY	MO	YR	TIME (GMT) HR	TIME (GMT) MIN	DRY BULB (°C)	RH (%)	Pressure (mb)	WIND DIRN. (deg)	WIND SPD (kts)	BOTTOM DEPTH (m)	STA. NAME/ID
041	58	58.75	N	167	00.49	W	09	Sep	16	04	24	10.4	07	6102	031	15	37	45

SBE 9+	722	FLUOR S/N	FLNTUS-2057
PRESS SN	722	SBE43-Oxy (prime)	1961
PRI TEMP SN	2376	SBE43-Oxy (sec)	1875
SEC TEMP SN	4379	Transmissometer	CST-1066PR
PRI COND SN	2985	PAR S/N	70296
SEC COND SN	3127	O2 Tmp Sensor No.	

Instrument Notes:

WEATHER OBS: **SFC/Bottom Temp.** MAX. DEPTH = 31 m

REMARKS:
SHALLOW ~ 30m : BOT

Recorder Initials:

Nis No	DEPTH DESIRED	Rosette Notes	Hydro Team-PMEL SALT	Nut.Btl	O2-Btl.No	DIC/Alk	Chloro GFF Vol	>10 Large Vol	GFF Dup Vol	>10 dup vol	POC 500 ml		ommen	Nis No
1	BOT			990	369 x		✓	✓						1
2	20			991			✓	✓						2
3	10			992			✓	✓						3
4	0			993			✓							4
5														5
6														6
7														7
8														8
9														9
10														10
11														11
12														12
I		Inline												I

VESSEL	CRUISE ID	PROJECT & LEG	CTD FileName	STATION NO.
Oscar Dyson	DY1609	BASIS Leg 1	Event 135	46

CONSC CAST #	LATITUDE DEG	LATITUDE MIN		LONGITUDE DEG	LONGITUDE MIN		DAY	MO	YR	TIME (GMT) HR	TIME (GMT) MIN	DRY BULB (°C)	RH (%)	Pressure (mb)	WIND DIRN. (deg)	WIND SPD. (kts)	BOTTOM DEPTH (m)	STA. NAME/ID
	42	59	09.12 N	167	59.87 W		09	Sep	16	11	17	9.6	075	1021	340	08	41	46

SBE 9+	722	FLUOR S/N	FLNTUS-2057
PRESS SN	722	SBE43-Oxy (prime)	1961
PRI TEMP SN	2376	SBE43-Oxy (sec)	1875
SEC TEMP SN	4379	Transmissometer	CST-1066PR
PRI COND SN	2985	PAR S/N	70296
SEC COND SN	3127	O2 Tmp Senson No.	

Instrument Notes:

WEATHER OBS: SFC/Bottom Temp. MAX. DEPTH = 36 m

REMARKS:

odd characterization @ 10m bottle fire - fluor./O2/sal.
~ filters took much longer & yellowish hint
~ plankton green (viewed sample from bongo)

SALINITY - bottom

Recorder Initials: HT

Nis No	DEPTH DESIRED	Rosette Notes	Hydro Team-PMEL SALT	Nut.Btl	O2-Btl.No	DIC/Alk	Chloro GFF Vol	>10 Large Vol	GFF Dup Vol	>10 dup vol	POC 500 ml		ommen	Nis No
1	BOT		194*	994	370		✓	✓						1
2	20			995			✓	✓						2
3	10			996			✓	✓						3
4	0			997			✓							4
5														5
6														6
7														7
8														8
9														9
10														10
11														11
12														12
I		Inline												I

VESSEL	CRUISE ID	PROJECT & LEG	CTD FileName	STATION NO
Oscar Dyson	DY1609	BASIS Leg 1	Event 137	47

CONSC CAST #	LATITUDE DEG	LATITUDE MIN		LONGITUDE DEG	LONGITUDE MIN		DAY	MO	YR	TIME (GMT) HR	TIME (GMT) MIN	DRY BULB (°C)	RH (%)	Pressure (mb)	WIND DIRN. (deg)	WIND SPD. (kts)	BOTTOM DEPTH (m)	STA. NAME/ID
043	58	29.66	N	167	59.99	W	09	Sep	16	14	11	10.0	71	1021	339	11	54	47

SBE 9+	722	FLUOR S/N	FLNTUS-2057
PRESS SN	722	SBE43-Oxy (prime)	1961
PRI TEMP SN	2376	SBE43-Oxy (sec)	1875
SEC TEMP SN	4379	Transmissometer	CST-1066PR
PRI COND SN	2985	PAR S/N	70296
SEC COND SN	3127	O2 Tmp Senson No	

Instrument Notes:

WEATHER OBS: **SFC/Bottom Temp.** MAX. DEPTH = 48 m

REMARKS: Primary + Sec Salinity diverge @ Surface then again on the upcast Same with O_2, T @ Surface 1°

O_2 TSG Chloro - 9/9/16 15:22
T = 12.1416 Chloro mg/l/cnt = 4.94
Chloro cnt = 437

Recorder Initials:

Nis No	DEPTH DESIRED	Rosette Notes	Hydro Team-PMEL SALT	Nut.Btl	O2-Btl.No	DIC/Alk	Chloro GFF Vol	>10 Large Vol	GFF Dup Vol	>10 dup vol	POC 500 ml		ommen	Nis No
1	BOT			998			✓							1
2	40			999			✓							2
3	30			1000			✓	✓						3
4	20			1001			✓	✓	✓					4
5	10			1002			✓	✓	✓					5
6	0			1003	#371									6
7														7
8														8
9														9
10														10
11														11
12														12
I		Inline												I

VESSEL	CRUISE ID	PROJECT & LEG	CTD FileName:	STATION NO.
Oscar Dyson	DY1609	BASIS Leg 1	event = 141	48

CONSC CAST #	LATITUDE DEG	LATITUDE MIN		LONGITUDE DEG	LONGITUDE MIN		DAY	MO	YR	TIME (GMT) HR	TIME (GMT) MIN	DRY BULB (°C)	RH (%)	Pressure (mb)	WIND DIRN. (deg)	WIND SPD. (kts)	BOTTOM DEPTH (m)	STA. NAME/ID
44	44	58 00.43	N	167	59.94	W	09	Sep	16	20	49	10.7	70	1022	3	8	68	48

SBE 9+	722	FLUOR S/N	FLNTUS-2057
PRESS SN	722	SBE43-Oxy (prime)	1961
PRI TEMP SN	2376	SBE43-Oxy (sec)	1875
SEC TEMP SN	4379	Transmissometer	CST-1066PR
PRI COND SN	2985	PAR S/N	70296
SEC COND SN	3127	O2 Tmp Senson No.	

Instrument Notes:

WEATHER OBS: SFC/Bottom Temp. MAX. DEPTH = 62 m

REMARKS:

Recorder Initials:

Nis No	DEPTH DESIRED	Rosette Notes	Hydro Team-PMEL SALT	Nut.Btl	O2-Btl.No	DIC/Alk	Chloro GFF Vol	>10 Large Vol	GFF Dup Vol	>10 dup vol	POC 500 ml		ommen	Nis No
1	Bot			1004	372									1
2	50			1005			✓							2
3	40			1006			✓							3
4	30			1007			✓	✓						4
5	20			1008			✓	✓						5
6	10			1009			✓	✓		✓				6
7	0		195	1010			✓							7
8														8
9														9
10														10
11														11
12														12
I		Inline												I

VESSEL	CRUISE ID	PROJECT & LEG	CTD FileName:	STATION NO.
Oscar Dyson	DY1609	BASIS Leg 1	Event 143	49

45 CONSC CAST #	LATITUDE DEG	LATITUDE MIN		LONGITUDE DEG	LONGITUDE MIN		DAY	MO	YR	TIME (GMT) HR	TIME (GMT) MIN	DRY BULB (°C)	RH (%)	Pressure (mb)	WIND DIRN. (deg)	WIND SPD. (kts)	BOTTOM DEPTH (m)	STA. NAME/ID 49
	45	57 30.03	N	167 59.94	W		09	Sep	16	23	59	11.1	66	1023	53	5	71	

SBE 9+	722	FLUOR S/N	FLNTUS-2057
PRESS SN	722	SBE43-Oxy (prime)	1961
PRI TEMP SN	2376	SBE43-Oxy (sec)	1875
SEC TEMP SN	4379	Transmissometer	CST-1066PR
PRI COND SN	2985	PAR S/N	70296
SEC COND SN	3127	O2 Tmp Senson No.	

Instrument Notes:

WEATHER OBS: **SFC/Bottom Temp.** MAX. DEPTH = 67 m

REMARKS:

Recorder Initials:

Nis No	DEPTH DESIRED	Rosette Notes	Hydro Team-PMEL SALT	Nut Btl	O2-Btl No	DIC/Alk	Chloro GFF Vol	>10 Large Vol	GFF Dup Vol	>10 dup vol	POC 500 ml		ommen	Nis No
1	Bot			1011										1
2	50			1012										2
3	40			1013										3
4	30			1014										4
5	20			1015										5
6	10			1016										6
7	0			1017	373									7
8														8
9														9
10														10
11														11
12														12
I		Inline												I

VESSEL	CRUISE ID	PROJECT & LEG	CTD FileName:	STATION NO.
Oscar Dyson	DY1609	BASIS Leg 1	Event 147	50

CONSC CAST #	LATITUDE DEG	LATITUDE MIN	LONGITUDE DEG	LONGITUDE MIN	DAY	MO	YR	TIME (GMT) HR	TIME (GMT) MIN	DRY BULB (°C)	RH (%)	Pressure (mb)	WIND DIRN. (deg)	WIND SPD. (kts)	BOTTOM DEPTH (m)	STA. NAME/ID
46	57	00.45 N	168	00.54 W	16	Sep		11	45	11.3	069	1020	075	12	78	50

SBE 9+	722	FLUOR S/N	FLNTUS-2057
PRESS SN	722	SBE43-Oxy (prime)	1961
PRI TEMP SN	2376	SBE43-Oxy (sec)	1875
SEC TEMP SN	4379	Transmissometer	CST-1066PR
PRI COND SN	2985	PAR S/N	70296
SEC COND SN	3127	O2 Tmp Senson No.	

Instrument Notes:

WEATHER OBS: SFC/Bottom Temp.

MAX. DEPTH = 73 m

REMARKS:

Recorder Initials:

Nis No	DEPTH DESIRED	Rosette Notes	Hydro Team-PMEL SALT	Nut.Btl	O2-Btl.No	DIC/Alk	Chloro GFF Vol	>10 Large Vol	GFF Dup Vol	>10 dup vol	POC 500 ml		ommen	Nis No
1	Bot		196	1018	374									1
2	50			1019			✓							2
3	40 ✓			1020			✓							3
4	30 ✓			1021			✓	✓						4
5	20 ✓			1022			✓	✓						5
6	10 ✓			1023			✓	✓						6
7	0 ✓			1024			✓							7
8														8
9														9
10														10
11														11
12														12
I		Inline												I

VESSEL	CRUISE ID	PROJECT & LEG	CTD FileName	STATION NO.
Oscar Dyson	DY1609	BASIS Leg 1	Event 149	51

CONSC CAST #	LATITUDE DEG	LATITUDE MIN		LONGITUDE DEG	LONGITUDE MIN		DAY	MO	YR	TIME (GMT) HR	TIME (GMT) MIN	DRY BULB (°C)	RH (%)	Pressure (mb)	WIND DIRN. (deg)	WIND SPD. (kts)	BOTTOM DEPTH (m)	* STA. NAME/ID
047	56	00.41	N	167	59.99	W	10	Sep	16	12	06	12.00	75	1016	100	19	137	51

SBE 9+	722	FLUOR S/N	FLNTUS-2057		
PRESS SN	722	SBE43-Oxy (prime)	1961		
PRI TEMP SN	2376	SBE43-Oxy (sec)	1875		
SEC TEMP SN	4379	Transmissometer	CST-1066PR		
PRI COND SN	2985	PAR S/N	70296		
SEC COND SN	3127	O2 Tmp Senson No.			

Instrument Notes:

WEATHER OBS: **SFC/Bottom Temp.** **MAX. DEPTH =** 130 m

Seas picking up-mod. mli ~ B4/5

REMARKS:

*shallow thermocline ~10m

*slightly chalky H2O

Recorder Initials:

Nis No	DEPTH DESIRED	Rosette Notes	Hydro Team-PMEL SALT	Nut Btl	O2-Btl No	DIC/Alk	Chloro GFF Vol	>10 Large Vol	GFF Dup Vol	>10 dup vol	POC 500 ml		ommen	Nis No
1	BOT ✓			1025										1
2	100 ✓			1026										2
3	75 ✓			1027										3
4	50 ✓			1028			✓							4
5	40 ✓			1029			✓							5
6	30 ✓			1030			✓	✓						6
7	20 ✓			1031	X=75		✓	✓						7
8	10 ✓			1032			✓	✓						8
9	0 ✓		197 ✓	1033	X375 ✓		✓							9
10														10
11														11
12														12
I		Inline												I

VESSEL	CRUISE ID	PROJECT & LEG	CTD FileName:	STATION NO.
Oscar Dyson	DY1609	BASIS Leg 1	Event 151	52

CONSC CAST #	LATITUDE DEG	LATITUDE MIN		LONGITUDE DEG	LONGITUDE MIN		DAY	MO	YR	TIME (GMT) HR	TIME (GMT) MIN	DRY BULB (°C)	RH (%)	Pressure (mb)	WIND DIRN. (deg)	WIND SPD. (kts)	BOTTOM DEPTH (m)	STA. NAME/ID
	048	56.30.23	N	168	01.14	W	10	Sep	16	15	38	12.2		1016	77	23	116	52

SBE 9+	722	FLUOR S/N	FLNTUS-2057
PRESS SN	722	SBE43-Oxy (prime)	1961
PRI TEMP SN	2376	SBE43-Oxy (sec)	1875
SEC TEMP SN	4379	Transmissometer	CST-1066PR
PRI COND SN	2985	PAR S/N	70296
SEC COND SN	3127	O2 Tmp Senson No.	

Instrument Notes:

WEATHER OBS: **SFC/Bottom Temp.** MAX. DEPTH = 111 m

REMARKS:

TSG Chloro: 09/10/2016 16:42
NO SAL T = 13.51 C mg/l/cnt = 0.73
BOT O2 C counts = 105

Recorder Initials:

Nisk No	DEPTH DESIRED	Rosette Notes	Hydro Team-PMEL SALT	Nut Btl	O2-Btl No	DIC/Alk	Chloro GFF Vol	>10 Large Vol	GFF Dup Vol	>10 dup vol	POC 500 ml		ommen	Nisk No
1	BOT			1034										1
2	106			1035										2
3	75			1036										3
4	50			1037			✓							4
5	40			1038			✓							5
6	30			1039			✓	✓						6
7	20			1040			✓	✓						7
8	10			1041			✓	✓	✓	✓				8
9	0			1042	037		✓							9
10														10
11														11
12														12
I		Inline												I

VESSEL	CRUISE ID	PROJECT & LEG	CTD FileName:	STATION NO.
Oscar Dyson	DY1609	BASIS Leg 1	Event 155	53

CONSC CAST #	LATITUDE DEG	LATITUDE MIN		LONGITUDE DEG	LONGITUDE MIN		DAY	MO	YR	TIME (GMT) HR	TIME (GMT) MIN	DRY BULB (°C)	RH (%)	Pressure (mb)	WIND DIRN. (deg)	WIND SPD. (kts)	BOTTOM DEPTH (m)	STA. NAME/ID
	049	56.27	N	169	08.11	W	10	Sep	16	22	56	12.0	90	1009	181	32	164	53

SBE 9+	722	FLUOR S/N	FLNTUS-2057
PRESS SN	722	SBE43-Oxy (prime)	1961
PRI TEMP SN	2376	SBE43-Oxy (sec)	1875
SEC TEMP SN	4379	Transmissometer	CST-1066PR
PRI COND SN	2985	PAR S/N	70296
SEC COND SN	3127	O2 Tmp Senson No.	

Instrument Notes:

WEATHER OBS: **SFC/Bottom Temp.** MAX. DEPTH = 97 m

REMARKS: Very bumpy Surface bottle deeper than usual because of waves

Recorder Initials:

Nis No	DEPTH DESIRED	Rosette Notes	Hydro Team-PMEL SALT	Nut.Btl	O2-Btl.No	DIC/Alk	Chloro GFF Vol	>10 Large Vol	GFF Dup Vol	>10 dup vol	POC 500 ml		ommen	Nis No
1	Bot		198	1043	x100									1
2	75			1044										2
3	50			1045			✓							3
4	40			1046			✓							4
5	30			1047			✓	✓						5
6	20			1048			✓	✓						6
7	10			1049			✓	✓						7
8	0			1050			✓							8
9														9
10														10
11														11
12														12
I		Inline												I

VESSEL	CRUISE ID	PROJECT & LEG	CTD FileName:	STATION NO.
Oscar Dyson	DY1609	BASIS Leg 1	Event 156	54

CONSC CAST #	LATITUDE DEG	LATITUDE MIN		LONGITUDE DEG	LONGITUDE MIN		DAY	MO	YR	TIME (GMT) HR	TIME (GMT) MIN	DRY BULB (°C)	RH (%)	Pressure (mb)	WIND DIRN. (deg)	WIND SPD. (kts)	BOTTOM DEPTH (m)	STA. NAME/ID
05	57	00.44	N	169	00.18	W	11	Sep	16	10	37	11.5	095	1005	075	27	80	54

SBE 9+	722	FLUOR S/N	FLNTUS-2057
PRESS SN	722	SBE43-Oxy (prime)	1961
PRI TEMP SN	2376	SBE43-Oxy (sec)	1875
SEC TEMP SN	4379	Transmissometer	CST-1066PR
PRI COND SN	2985	PAR S/N	70296
SEC COND SN	3127	O2 Tmp Senson No	

Instrument Notes:

WEATHER OBS: SFC/Bottom Temp. — very rough

MAX. DEPTH = 76 m

REMARKS:

25m = max / pycnocline

* surface O_2 (107)
NO SALT

Recorder Initials:

Nis No	DEPTH DESIRED	Rosette Notes	Hydro Team-PMEL SALT	Nut.Btl	O2-Btl No	DIC/Alk	Chloro GFF Vol	>10 Large Vol	GFF Dup Vol	>10 dup vol	POC 500 ml		ommen	Nis No
1	BOT			1051										1
2	50			1052			✓							2
3	40			1053			✓							3
4	30	31		1054			✓	✓						4
5	20	21		1055			✓	✓						5
6	10			1056			✓	✓						6
7	0	~5		1057	*107		✓							7
8														8
9														9
10														10
11														11
12														12
I		Inline												I

VESSEL	CRUISE ID	PROJECT & LEG	CTD FileName:	STATION NO.
Oscar Dyson	DY1609	BASIS Leg 1	Event 158	55

CONSC CAST #	LATITUDE DEG	LATITUDE MIN		LONGITUDE DEG	LONGITUDE MIN		DAY	MO	YR	TIME (GMT) HR	TIME (GMT) MIN	DRY BULB (°C)	RH (%)	Pressure (mb)	WIND DIRN. (deg)	WIND SPD. (kts)	BOTTOM DEPTH (m)	STA. NAME/ID
05	57	29.80	N	169	00.07	W	11	Sep	16	08	32	11.1	100	1006	067	25	70	55

SBE 9+	722	FLUOR S/N	FLNTUS-2057
PRESS SN	722	SBE43-Oxy (prime)	1961
PRI TEMP SN	2376	SBE43-Oxy (sec)	1875
SEC TEMP SN	4379	Transmissometer	CST-1066PR
PRI COND SN	2985	PAR S/N	70296
SEC COND SN	3127	O2 Tmp Senson No.	

Instrument Notes:

WEATHER OBS: lotscap heave, pitch, roll — **SFC/Bottom Temp.** — MAX. DEPTH = 65 m

event logger was 7 mapp and recorded @

REMARKS: water milky
23m max.
11-12°c temp.

SALT SURF (199)
BOT O2 ← glass broke, took sample from 50m

Recorder Initials: HT

Nis No	DEPTH DESIRED	Rosette Notes	Hydro Team-PMEL SALT	Nut.Btl	O2-Btl.No	DIC/Alk	Chloro GFF Vol	>10 Large Vol	GFF Dup Vol	>10 dup vol	POC 500 ml		ommen	Nis No
1	BOT ✓			1058	~~#46~~									1
2	50 ✓			1059	#150									2
3	40 ✓			1060										3
4	30 ✓			1061										4
5	20 ✓			1062										5
6	10 ✓			1063										6
7	0 ✓		#199	1064	.17									7
8														8
9														9
10														10
11														11
12														12
I		Inline												I

VESSEL	CRUISE ID	PROJECT & LEG	CTD FileName:	STATION NO.
Oscar Dyson	DY1609	BASIS Leg 1	Event 160	56

CONSC CAST #	LATITUDE DEG	LATITUDE MIN		LONGITUDE DEG	LONGITUDE MIN		DAY	MO	YR	TIME (GMT) HR	TIME (GMT) MIN	DRY BULB (°C)	RH (%)	Pressure (mb)	WIND DIRN. (deg)	WIND SPD. (kts)	BOTTOM DEPTH (m)	STA. NAME/ID
05	58	06.13	N	170	00.06	W	11	Sep	16	11	54	10.5	97	1000	026	20	72	56

SBE 9+	722	FLUOR S/N	FLNTUS-2057
PRESS SN	722	SBE43-Oxy (prime)	1961
PRI TEMP SN	2376	SBE43-Oxy (sec)	1875
SEC TEMP SN	4379	Transmissometer	CST-1066PR
PRI COND SN	2985	PAR S/N	70296
SEC COND SN	3127	O2 Tmp Senson No.	

Instrument Notes:

WEATHER OBS: SFC/Bottom Temp. MAX. DEPTH = 59 m

*7ft roll 2

REMARKS:

35m - max chl. / picnocline

* NOT confident in cast. Too rough -

SALT - bottle 1
O2 - bottle 1

Recorder Initials: HT

Nis No	DEPTH DESIRED	Rosette Notes	Hydro Team-PMEL SALT	Nut.Btl	O2-Btl.No	DIC/Alk	Chloro GFF Vol	>10 Large Vol	GFF Dup Vol	>10 dup vol	POC 500 ml		ommen	Nis No
1	BOT ✓		*200	1065	*161									1
2	50 ✓			1066			✓							2
3	40 ✓			1067			✓							3
4	30 ✓			1068			✓	✓						4
5	20 ✓			1069			✓	✓						5
6	10 ✓			1070			✓	✓						6
7	0 ✓			1071			✓							7
8														8
9														9
10														10
11														11
12														12
I		Inline												I

VESSEL	CRUISE ID	PROJECT & LEG	CTD FileName	STATION NO
Oscar Dyson	DY1609	BASIS Leg 1	Event 162	57

CONSC CAST #	LATITUDE DEG	LATITUDE MIN	LONGITUDE DEG	LONGITUDE MIN	DAY	MO	YR	TIME (GMT) HR	TIME (GMT) MIN	DRY BULB (°C)	RH (%)	Pressure (mb)	WIND DIRN. (deg)	WIND SPD (kts)	BOTTOM DEPTH (m)	STA. NAME/ID
	53	00.05 N	171	00.58 W	11	Sep	16	18	21	11.1	94	998	530		88	57

SBE 9+	722	FLUOR S/N	FLNTUS-2057
PRESS SN	722	SBE43-Oxy (prime)	1961
PRI TEMP SN	2376	SBE43-Oxy (sec)	1875
SEC TEMP SN	4379	Transmissometer	CST-1066PR
PRI COND SN	2985	PAR S/N	70296
SEC COND SN	3127	O2 Tmp Senson No.	

Instrument Notes:

WEATHER OBS: **SFC/Bottom Temp.** MAX. DEPTH = 76 m

REMARKS: Bumpy!! ☺ Surface @ ~4 m

O2 - surface

Recorder Initials:

Nis No	DEPTH DESIRED	Rosette Notes	Hydro Team-PMEL SALT	Nut.Btl	O2-Btl.No	DIC/Alk	Chloro GFF Vol	>10 Large Vol	GFF Dup Vol	>10 dup vol	POC 500 ml		ommen:	Nis No
1	BOT			1072										1
2	50			1073			✓							2
3	40			1074			✓							3
4	30			1075			✓	✓						4
5	20			1076			✓	✓						5
6	10			1077			✓	✓	✓	✓				6
7	0			1078	*168		✓							7
8														8
9														9
10														10
11														11
12														12
1		Inline												1

VESSEL	CRUISE ID	PROJECT & LEG	CTD FileName:	STATION NO.
Oscar Dyson	DY1609	BASIS Leg 2	Event 164	58

CONSC CAST #	LATITUDE DEG	LATITUDE MIN		LONGITUDE DEG	LONGITUDE MIN		DAY	MO	YR	TIME (GMT) HR	TIME (GMT) MIN	DRY BULB (°C)	RH (%)	Pressure (mb)	WIND DIRN. (deg)	WIND SPD. (kts)	BOTTOM DEPTH (m)	STA. NAME/ID
	54	58 00.13	N	172 00.31	W		11	Sep	16	21	58	11.2	79	1000	925		1038	58

SBE 9+	722	FLUOR S/N	FLNTUS-2057
PRESS SN	722	SBE43-Oxy (prime)	1961
PRI TEMP SN	2376	SBE43-Oxy (sec)	1875
SEC TEMP SN	4379	Transmissometer	CST-1066PR
PRI COND SN	2985	PAR S/N	70296
SEC COND SN	3127	O2 Tmp Senson No.	

Instrument Notes:

WEATHER OBS: SFC/Bottom Temp. MAX. DEPTH = 9.5 m

REMARKS:

Recorder Initials:

Nis No	DEPTH DESIRED	Rosette Notes	Hydro Team-PMEL SALT	Nut.Btl	O2-Btl.No	DIC/Alk	Chloro GFF Vol	>10 Large Vol	GFF Dup Vol	>10 dup vol	POC 500 ml		ommen	Nis No
1	Bot			1079	x172									1
2	75			1080										2
3	50			1081			✓							3
4	40			1082			✓							4
5	30			1083			✓	✓						5
6	20			1084			✓	✓						6
7	10			1085			✓	✓						7
8	0			1086			✓							8
9														9
10														10
11														11
12														12
I		inline												I

VESSEL	CRUISE ID	PROJECT & LEG	CTD FileName	STATION NO.
Oscar Dyson	DY1609	BASIS Leg 7	Event 166	59

CONSC CAST #	LATITUDE DEG	LATITUDE MIN		LONGITUDE DEG	LONGITUDE MIN		DAY	MO	YR	TIME (GMT) HR	TIME (GMT) MIN	DRY BULB (°C)	RH (%)	Pressure (mb)	WIND DIRN. (deg)	WIND SPD. (kts)	BOTTOM DEPTH (m)	STA. NAME/ID
	55	58.16	N	172	00.24	W	12	Sep	16	01	51	10.7	81	1001	355	23	99	59

SBE 9+	722	FLUOR S/N	FLNTUS-2057
PRESS SN	722	SBE43-Oxy (prime)	1961
PRI TEMP SN	2376	SBE43-Oxy (sec)	1875
SEC TEMP SN	4379	Transmissometer	CST-1066PR
PRI COND SN	2985	PAR S/N	70296
SEC COND SN	3127	O2 Tmp Sensor No.	

Instrument Notes:

WEATHER OBS: ~2-8m roll — **SFC/Bottom Temp.** — **MAX. DEPTH =** 90 m

REMARKS:
~ salinity, O2 off - possible jelly fouling
~35m chl max / pycnocline

#chl @ 30 - 2 filters

Recorder Initials: HT

Nis No	DEPTH DESIRED	Rosette Notes	Hydro Team-PMEL SALT	Nut.Btl	O2-Btl No	DIC/Alk	Chloro GFF Vol	>10 Large Vol	GFF Dup Vol	>10 dup vol	POC 500 ml		ommen	Nis No
1	Bot ✓			1087										1
2	75 ✓			1088										2
3	50 ✓			1089			✓							3
4	40 ✓			1090			✓	✓						4
5	30 ✓			1091			* ✓	✓						5
6	20 ✓			1092			✓	✓						6
7	10 ✓			1093			✓	✓						7
8	0 ✓		1201 ✓	1094	1175 ✓		✓							8
9														9
10														10
11														11
12														12
I		Inline												I

VESSEL	CRUISE ID	PROJECT & LEG	CTD FileName:	STATION NO.
Oscar Dyson	DY1609	BASIS Leg 2	Event 170	60

CONSC CAST #	LATITUDE DEG	LATITUDE MIN		LONGITUDE DEG	LONGITUDE MIN		DAY	MO	YR	TIME (GMT) HR	TIME (GMT) MIN	DRY BULB (°C)	RH (%)	Pressure (mb)	WIND DIRN. (deg)	WIND SPD. (kts)	BOTTOM DEPTH (m)	STA. NAME/ID
05	65	30.18	N	171	00.66	W	12	Sep	16	10	43	10.1	74	1005	332	18	83	60

SBE 9+	722	FLUOR S/N	FLNTUS-2057
PRESS SN	722	SBE43-Oxy (prime)	1961
PRI TEMP SN	2376	SBE43-Oxy (sec)	1875
SEC TEMP SN	4379	Transmissometer	CST-1066PR
PRI COND SN	2985	PAR S/N	70296
SEC COND SN	3127	O2 Tmp Senson No.	

Instrument Notes:

WEATHER OBS: **SFC/Bottom Temp.** **MAX. DEPTH =** 75 m

- Less roll than previous 2 casts

REMARKS:

30m - pycnocline

NO SAL.
CHL BOT

Recorder Initials: HT

Nis No	DEPTH DESIRED	Rosette Notes	Hydro Team-PMEL SALT	Nut.Btl	O2-Btl.No	DIC/Alk	Chloro GFF Vol	>10 Large Vol	GFF Dup Vol	>10 dup vol	POC 500 ml		ommen	Nis No
1	BOT ✓			1095	*181									1
2	50 ✓			1096										2
3	40 ✓			1097										3
4	30 ✓			1098										4
5	20 ✓			1099										5
6	10 ✓			1100										6
7	0 ✓			1101										7
8														8
9														9
10														10
11														11
12														12
1		Inline												1

VESSEL	CRUISE ID	PROJECT & LEG	CTD FileName	STATION NO.
Oscar Dyson	DY1609	BASIS Leg 2	Event 172	61

CONSC CAST #	LATITUDE DEG	LATITUDE MIN		LONGITUDE DEG	LONGITUDE MIN		DAY	MO	YR	TIME (GMT) HR	TIME (GMT) MIN	DRY BULB (°C)	RH (%)	Pressure (mb)	WIND DIRN. (deg)	WIND SPD. (kts)	BOTTOM DEPTH (m)	STA. NAME/ID
05	58	59.41	N	170	59.37	W	12	Sep	16	14	47	9.7	77	1006	311	13	77	61

SBE 9+	722	FLUOR S/N	FLNTUS-2057
PRESS SN	722	SBE43-Oxy (prime)	1961
PRI TEMP SN	2376	SBE43-Oxy (sec)	1875
SEC TEMP SN	4379	Transmissometer	CST-1066PR
PRI COND SN	2985	PAR S/N	70296
SEC COND SN	3127	O2 Tmp Senson No.	

Instrument Notes:

WEATHER OBS: SFC/Bottom Temp. MAX. DEPTH = 71 m

REMARKS: Pyc @ 30 Bottom T is colder - 3°C

O2 surface
TSG Sal = 203
S = ? T = 11.25

TSG Chlor 9/12/2016 15:42
T = 11.23 Chl mg/cmt 2.57
Ch cnts 254

Recorder Initials:

Nis No	DEPTH DESIRED	Rosette Notes	Hydro Team-PMEL SALT	Nut.Btl	O2-Btl No	DIC/Alk	Chloro GFF Vol	>10 Large Vol	GFF Dup Vol	>10 dup vol	POC 500 ml		ommen:	Nis No
1	BOT		202	1102										1
2	50			1103			✓							2
3	40			1104			✓							3
4	30			1105			✓	✓						4
5	20			1106			✓	✓						5
6	10			1107			✓	✓	✓	✓				6
7	0			1108	x197		✓							7
8														8
9														9
10														10
11														11
12														12
I		Inline												I

VESSEL	CRUISE ID	PROJECT & LEG	CTD FileName:	STATION NO.
Oscar Dyson	DY1609	BASIS Leg 1	Event 176	62

58 CONSC CAST #	LATITUDE DEG	LATITUDE MIN		LONGITUDE DEG	LONGITUDE MIN		DAY	MO	YR	TIME (GMT) HR	TIME (GMT) MIN	DRY BULB (°C)	RH (%)	Pressure (mb)	WIND DIRN. (deg)	WIND SPD. (kts)	BOTTOM DEPTH (m)	STA. NAME/ID
	58	59.00.23	N	170	00.05	W	12	Sep	16	22	57	10.2	83	1010.2	320	10	66	62

SBE 9+	722	FLUOR S/N	FLNTUS-2057
PRESS SN	722	SBE43-Oxy (prime)	1961
PRI TEMP SN	2376	SBE43-Oxy (sec)	1875
SEC TEMP SN	4379	Transmissometer	CST-1066PR
PRI COND SN	2985	PAR S/N	70296
SEC COND SN	3127	O2 Tmp Senson No.	

Instrument Notes:

WEATHER OBS: **SFC/Bottom Temp.** MAX. DEPTH = 60 m

REMARKS:

Recorder Initials:

Nis No	DEPTH DESIRED	Rosette Notes	Hydro Team-PMEL SALT	Nut.Btl	O2-Btl.No	DIC/Alk	Chloro GFF Vol	>10 Large Vol	GFF Dup Vol	>10 dup vol	POC 500 ml		ommen:	Nis No
1	Bot			1109	*209									1
2	50			1110			✓							2
3	40			1111			✓							3
4	30			1112			✓	✓						4
5	20			1113			✓	✓						5
6	10			1114			✓	✓						6
7	0			1115			✓							7
8														8
9														9
10														10
11														11
12														12
1		Inline												1

VESSEL	CRUISE ID	PROJECT & LEG	CTD FileName:	STATION NO.
Oscar Dyson	DY1609	BASIS Leg 1	Event 178	63

CONSC CAST #	LATITUDE DEG	LATITUDE MIN		LONGITUDE DEG	LONGITUDE MIN		DAY	MO	YR	TIME (GMT) HR	TIME (GMT) MIN	DRY BULB (°C)	RH (%)	Pressure (mb)	WIND DIRN. (deg)	WIND SPD. (kts)	BOTTOM DEPTH (m)	STA. NAME/ID
59	59	29.82	N	169	59.87	W	13	Sep	16	02	43	10.50	75	1009	293	10	60	163

SBE 9+	722	FLUOR S/N	FLNTUS-2057
PRESS SN	722	SBE43-Oxy (prime)	1961
PRI TEMP SN	2376	SBE43-Oxy (sec)	1875
SEC TEMP SN	4379	Transmissometer	CST-1066PR
PRI COND SN	2985	PAR S/N	70296
SEC COND SN	3127	O2 Tmp Senson No.	

Instrument Notes:

WEATHER OBS: SFC/Bottom Temp. MAX. DEPTH = 56 m

REMARKS:
- PAR ↓ very rapidly / fluor ↑ @ 10m
- 25m chl ↓ w/ O2 + salinity

Recorder Initials:

Nis No	DEPTH DESIRED	Rosette Notes	Hydro Team-PMEL SALT	Nut.Btl	O2-Btl.No	DIC/Alk	Chloro GFF Vol	>10 Large Vol	GFF Dup Vol	>10 dup vol	POC 500 ml		ommen	Nis No
1	Bot ✓			1116			✓							1
2	40 ✓			1117			✓							2
3	30 ✓			1118			✓	✓						3
4	20 ✓			1119			✓	✓						4
5	10 ✓			1120			✓	✓						5
6	0 ✓			1121	x215		✓							6
7	(													7
8														8
9														9
10														10
11														11
12														12
1		Inline												1

VESSEL	CRUISE ID	PROJECT & LEG	CTD FileName:	STATION NO.
Oscar Dyson	DY1609	BASIS Leg 2	Event 182	64

CONSC CAST #	LATITUDE DEG	LATITUDE MIN		LONGITUDE DEG	LONGITUDE MIN		DAY	MO	YR	TIME (GMT) HR	TIME (GMT) MIN	DRY BULB (°C)	RH (%)	Pressure (mb)	WIND DIRN. (deg)	WIND SPD. (kts)	BOTTOM DEPTH (m)	STA. NAME/ID
060	60	59.01	N	169	00.02	W	13	Sep	16	1004		9.6080		1011.2	238	01	44	64

SBE 9+	722	FLUOR S/N	FLNTUS-2057
PRESS SN	722	SBE43-Oxy (prime)	1961
PRI TEMP SN	2376	SBE43-Oxy (sec)	1875
SEC TEMP SN	4379	Transmissometer	CST-1066PR
PRI COND SN	2985	PAR S/N	70296
SEC COND SN	3127	O2 Tmp Senson No.	

Instrument Notes:

WEATHER OBS: SFC/Bottom Temp. MAX. DEPTH = 38 m

REMARKS:
well mixed - no pycnocline / small plateau @ 31m

O_2 = BOT (220)

Recorder Initials: HT

Nis No	DEPTH DESIRED	Rosette Notes	Hydro Team-PMEL SALT	Nut.Btl	O2-Btl.No	DIC/Alk	Chloro GFF Vol	>10 Large Vol	GFF Dup Vol	>10 dup vol	POC 500 ml		ommen	Nis No
1	BOT ✓			1122	#220									1
2	30 ✓			1123										2
3	20 ✓			1124										3
4	10 ✓			1125										4
5	0 ✓			1126										5
6														6
7														7
8														8
9														9
10														10
11														11
12														12
1		Inline												1

VESSEL	CRUISE ID	PROJECT & LEG	CTD FileName:	STATION NO.
Oscar Dyson	DY1609	BASIS Leg 2	Event 184	65

CONSC CAST #	LATITUDE DEG	LATITUDE MIN		LONGITUDE DEG	LONGITUDE MIN		DAY	MO	YR	TIME (GMT) HR	TIME (GMT) MIN	DRY BULB (°C)	RH (%)	Pressure (mb)	WIND DIRN. (deg)	WIND SPD. (kts)	BOTTOM DEPTH (m)	STA. NAME/ID
061	59	00.11	N	168	59.07	W	13	Sep	16	13	61	0.0	86	1010	123	07	52	65

SBE 9+	722	FLUOR S/N	FLNTUS-2057
PRESS SN	722	SBE43-Oxy (prime)	1961
PRI TEMP SN	2376	SBE43-Oxy (sec)	1875
SEC TEMP SN	4379	Transmissometer	CST-1066PR
PRI COND SN	2985	PAR S/N	70296
SEC COND SN	3127	O2 Tmp Senson No.	

Instrument Notes:

WEATHER OBS: SFC/Bottom Temp.

MAX. DEPTH = 46 m

→ 47 on SeaSave

REMARKS:

~20 pycnocline

O2 = surface (241) TSG Sample 9/13/2016 14:12

SALINITY = 205 surface, T = 10.84 Chl mg/l ant 5.84

Chl cnt = 481

Recorder Initials: HT

Nis No	DEPTH DESIRED	Rosette Notes	Hydro Team-PMEL SALT	Nut.Btl	O2-Btl.No	DIC/Alk	Chloro GFF Vol	>10 Large Vol	GFF Dup Vol	>10 dup vol	POC 500 ml		ommen	Nis No
1	BOT ✓			1127										1
2	30 ✓			1128										2
3	20 ✓			1129										3
4	10 ✓			1130										4
5	0 ✓		205	1131	*241									5
6														6
7														7
8														8
9														9
10														10
11														11
12														12
1		Inline												1

VESSEL	CRUISE ID	PROJECT & LEG	CTD FileName:	STATION NO.
Oscar Dyson	DY1609	BASIS Leg 3	Event 188	66

CONSC CAST #	LATITUDE DEG	LATITUDE MIN		LONGITUDE DEG	LONGITUDE MIN		DAY	MO	YR	TIME (GMT) HR	TIME (GMT) MIN	DRY BULB (°C)	RH (%)	Pressure (mb)	WIND DIRN. (deg)	WIND SPD. (kts)	BOTTOM DEPTH (m)	STA. NAME/ID
	62	58.30	N	169	00.26	W	13	Sep	16	21	41	10.8	79	1006	198	22	65	66

SBE 9+	722	FLUOR S/N	FLNTUS-2057
PRESS SN	722	SBE43-Oxy (prime)	1961
PRI TEMP SN	2376	SBE43-Oxy (sec)	1875
SEC TEMP SN	4379	Transmissometer	CST-1066PR
PRI COND SN	2985	PAR S/N	70296
SEC COND SN	3127	O2 Tmp Senson No.	

Instrument Notes:

WEATHER OBS: SFC/Bottom Temp.

MAX. DEPTH = 61 m

REMARKS:

Recorder Initials: PdP

Nis No	DEPTH DESIRED	Rosette Notes	Hydro Team-PMEL SALT	Nut.Btl	O2-Btl.No	DIC/Alk	Chloro GFF Vol	>10 Large Vol	GFF Dup Vol	>10 dup vol	POC 500 ml		ommen:	Nis No
1	Bot			1132	~~263~~									1
2	50			1133			✓							2
3	40			1134			✓							3
4	30			1135			✓	✓						4
5	20			1136			✓	✓						5
6	10			1137			✓	✓						6
7	0			1138			✓							7
8														8
9														9
10														10
11														11
12														12
I		Inline												I

VESSEL	CRUISE ID	PROJECT & LEG	CTD FileName:	STATION NO
Oscar Dyson	DY1609	BASIS Leg 2	Event 191	68

CONSC CAST #	LATITUDE DEG	LATITUDE MIN		LONGITUDE DEG	LONGITUDE MIN		DAY	MO	YR	TIME (GMT) HR	TIME (GMT) MIN	DRY BULB (°C)	RH (%)	Pressure (mb)	WIND DIRN. (deg)	WIND SPD. (kts)	BOTTOM DEPTH (m)	STA. NAME/ID
063	58	20.08	N	169	59.92	W	14	Sep	16	03	45	10.20	90	999	084	21	70	68

SBE 9+	722	FLUOR S/N	FLNTUS-2057
PRESS SN	722	SBE43-Oxy (prime)	1961
PRI TEMP SN	2376	SBE43-Oxy (sec)	1875
SEC TEMP SN	4379	Transmissometer	CST-1066PR
PRI COND SN	2985	PAR S/N	70296
SEC COND SN	3127	O2 Tmp Senson No.	

Instrument Notes:

WEATHER OBS: SFC/Bottom Temp.

MAX. DEPTH = 64.4 m

65.9 on Seasave

REMARKS:

Coccolithophores -

~26m - pycnocline = salty/cold

~30 chl max

O2 - surface

Recorder Initials: HT

Nis No	DEPTH DESIRED	Rosette Notes	Hydro Team-PMEL SALT	Nut.Btl	O2-Btl.No	DIC/Alk	Chloro GFF Vol	>10 Large Vol	GFF Dup Vol	>10 dup vol	POC 500 ml		ommen:	Nis No
1	BOT ✓			1139										1
2	50 ✓			1140										2
3	40 ✓			1141										3
4	30 ✓			1142										4
5	20 ✓			1143										5
6	10 ✓			1144										6
7	0 ✓			1145	8265									7
8														8
9														9
10														10
11														11
12														12
1		Inline												1

VESSEL	CRUISE ID	PROJECT & LEG	CTD FileName:	STATION NO
Oscar Dyson	DY1609	BASIS Leg 1	Event 198	69

CONSC CAST #	LATITUDE DEG	LATITUDE MIN		LONGITUDE DEG	LONGITUDE MIN		DAY	MO	YR	TIME (GMT) HR	TIME (GMT) MIN	DRY BULB (°C)	RH (%)	Pressure (mb)	WIND DIRN. (deg)	WIND SPD. (kts)	BOTTOM DEPTH (m)	STA. NAME/ID
06	45	30.31	N	169	59.85	W	15	Sep	16	13	55	11.2	92	988	194	6	101	69

SBE 9+	722	FLUOR S/N	FLNTUS-2057
PRESS SN	722	SBE43-Oxy (prime)	1961
PRI TEMP SN	2376	SBE43-Oxy (sec)	1875
SEC TEMP SN	4379	Transmissometer	CST-1066PR
PRI COND SN	2985	PAR S/N	70296
SEC COND SN	3127	O2 Tmp Senson No.	

Instrument Notes:

WEATHER OBS: SFC/Bottom Temp. MAX. DEPTH = 96 m

REMARKS:

TSG Sal = 20.7 09/15/2016 15:03 T = 12.2772

O2 - bottom

TSG chloro 9/16/2016 15:00 T=12.25 chl mg/l/cut=1.97 Chl cut = 200

Recorder Initials: HT

Nis No	DEPTH DESIRED	Rosette Notes	Hydro Team-PMEL SALT	Nut.Btl	O2-Btl.No	DIC/Alk	Chloro GFF Vol	>10 Large Vol	GFF Dup Vol	>10 dup vol	POC 500 ml		ommen:	Nis No
1	BOT		206	1146	277									1
2	75			1147										2
3	50			1148			✓							3
4	40			1149			✓							4
5	30			1150			✓	✓						5
6	20			1151			✓	✓						6
7	10			1152			✓	✓	✓	✓				7
8	0			1153			✓							8
9														9
10														10
11														11
12														12
I		Inline												I

VESSEL	CRUISE ID	PROJECT & LEG	CTD FileName	STATION NO.
Oscar Dyson	DY1609	BASIS Leg 1	Event 202	70

CONSC CAST #	LATITUDE DEG	LATITUDE MIN		LONGITUDE DEG	LONGITUDE MIN		DAY	MO	YR	TIME (GMT) HR	TIME (GMT) MIN	DRY BULB (°C)	RH (%)	Pressure (mb)	WIND DIRN. (deg)	WIND SPD. (kts)	BOTTOM DEPTH (m)	STA. NAME/ID
65	65	70	0.05 N	170	00.58 W		15	Sep	16	21	03	11.2	95	991	1	15	67	70

SBE 9+	722	FLUOR S/N	FLNTUS-2057
PRESS SN	722	SBE43-Oxy (prime)	1961
PRI TEMP SN	2376	SBE43-Oxy (sec)	1875
SEC TEMP SN	4379	Transmissometer	CST-1066PR
PRI COND SN	2985	PAR S/N	70296
SEC COND SN	3127	O2 Tmp Senson No.	

Instrument Notes:

WEATHER OBS: SFC/Bottom Temp. MAX. DEPTH = 61 m

REMARKS:

Recorder Initials:

Nis No	DEPTH DESIRED	Rosette Notes	Hydro Team-PMEL SALT	Nut.Btl	O2-Btl.No	DIC/Alk	Chloro GFF Vol	>10 Large Vol	GFF Dup Vol	>10 dup vol	POC 500 ml		ommen:	Nis No
1	Bot			1154										1
2	50			1155			✓							2
3	40			1156			✓							3
4	30			1157			✓	✓						4
5	20			1158			✓	✓						5
6	10			1159			✓	✓						6
7	0			1160	x285		✓							7
8														8
9														9
10														10
11														11
12														12
I		Inline												I

VESSEL	CRUISE ID	PROJECT & LEG	CTD FileName	STATION NO.
Oscar Dyson	DY1609	BASIS Leg 1	Event 204	71

CONSC CAST #	LATITUDE DEG	LATITUDE MIN		LONGITUDE DEG	LONGITUDE MIN		DAY	MO	YR	TIME (GMT) HR	TIME (GMT) MIN	DRY BULB (°C)	RH (%)	Pressure (mb)	WIND DIRN. (deg)	WIND SPD. (kts)	BOTTOM DEPTH (m)	STA. NAME/ID
66	66	56.59.77	N	171	00.08	W	16	Sep	16	00	21	10.0	95	993	93	1	1021	71

SBE 9+	722	FLUOR S/N	FLNTUS-2057
PRESS SN	722	SBE43-Oxy (prime)	1961
PRI TEMP SN	2376	SBE43-Oxy (sec)	1875
SEC TEMP SN	4379	Transmissometer	CST-1066PR
PRI COND SN	2985	PAR S/N	70296
SEC COND SN	3127	O2 Tmp Sanson No.	

Instrument Notes:

WEATHER OBS: SFC/Bottom Temp. MAX. DEPTH = 96 m

REMARKS:

Recorder Initials:

Nis No	DEPTH DESIRED	Rosette Notes	Hydro Team-PMEL SALT	Nut.Btl	O2-Btl.No	DIC/Alk	Chloro GFF Vol	>10 Large Vol	GFF Dup Vol	>10 dup vol	POC 500 ml		ommen:	Nis No
1	Bot			1161										1
2	75			1162										2
3	50			1163			✓							3
4	40			1164			✓							4
5	30			1165			✓	✓						5
6	20			1166			✓	✓						6
7	10			1167			✓	✓						7
8	0			1168	286		✓							8
9														9
10														10
11														11
12														12
I		Inline												I

VESSEL	CRUISE ID	PROJECT & LEG	CTD FileName:	STATION NO.
Oscar Dyson	DY1609	BASIS Leg 1	Event 206	72

CONSC CAST #	LATITUDE DEG	LATITUDE MIN		LONGITUDE DEG	LONGITUDE MIN		DAY	MO	YR	TIME (GMT) HR	TIME (GMT) MIN	DRY BULB (°C)	RH (%)	Pressure (mb)	WIND DIRN. (deg)	WIND SPD. (kts)	BOTTOM DEPTH (m)	STA. NAME/ID
67	67	57.30.14	N	170	00.27	W	17	Sep	16	01	48	07.6	061	10	062	99	21	72

SBE 9+	722	FLUOR S/N	FLNTUS-2057
PRESS SN	722	SBE43-Oxy (prime)	1961
PRI TEMP SN	2376	SBE43-Oxy (sec)	1875
SEC TEMP SN	4379	Transmissometer	CST-1066PR
PRI COND SN	2985	PAR S/N	70296
SEC COND SN	3127	O2 Tmp Senson No.	

Instrument Notes:

WEATHER OBS: SFC/Bottom Temp. MAX. DEPTH = 62 m

REMARKS:

~35m pycnocline / deep mix layer

Sal = 208 @ Surface

Recorder Initials:

Nis No	DEPTH DESIRED	Rosette Notes	Hydro Team-PMEL SALT	Nut.Btl	O2-Btl.No	DIC/Alk	Chloro GFF Vol	>10 Large Vol	GFF Dup Vol	>10 dup vol	POC 500 ml		ommen:	Nis No
1	BOT ✓			1169	x263									1
2	50 ✓			1170			✓							2
3	40 ✓			1171			✓							3
4	30 ✓			1172			✓	✓						4
5	20 ✓			1173			✓	✓						5
6	10 ✓			1174			✓	✓						6
7	0 ✓		208	1175			✓							7
8														8
9														9
10														10
11														11
12														12
I		Inline												I

VESSEL	CRUISE ID	PROJECT & LEG	CTD FileName:	STATION NO.
Oscar Dyson	DY1609	BASIS Leg 1	Event 210	73

CONSC CAST #	LATITUDE DEG	LATITUDE MIN		LONGITUDE DEG	LONGITUDE MIN		DAY	MO	YR	TIME (GMT) HR	TIME (GMT) MIN	DRY BULB (°C)	RH (%)	Pressure (mb)	WIND DIRN. (deg)	WIND SPD (kts)	BOTTOM DEPTH (m)	STA. NAME/ID
068	57	29.81	N	170	59.62	W	17	Sep	16	10	24	8.2	068				87	73

SBE 9+	722	FLUOR S/N	FLNTUS-2057
PRESS SN	722	SBE43-Oxy (prime)	1961
PRI TEMP SN	2376	SBE43-Oxy (sec)	1875
SEC TEMP SN	4379	Transmissometer	CST-1066PR
PRI COND SN	2985	PAR S/N	70296
SEC COND SN	3127	O2 Tmp Sanson No.	

Instrument Notes:

WEATHER OBS: SFC/Bottom Temp. MAX. DEPTH = 80 m

REMARKS:

~35 mixed layer / pycnocline

NO SAL
O2 SUB

Recorder Initials:

Nis No	DEPTH DESIRED	Rosette Notes	Hydro Team-PMEL SALT	Nut.Btl	O2-Btl.No	DIC/Alk	Chloro GFF Vol	>10 Large Vol	GFF Dup Vol	>10 dup vol	POC 500 ml		ommen:	Nis No
1	BOT ✓			1176										1
2	50 ✓			1177			✓							2
3	40 ✓			1178			✓							3
4	30 ✓			1179			✓	✓						4
5	20 ✓			1180			✓	✓						5
6	10 ✓			1181			✓	✓	✓					6
7	0 ✓			1182	265		✓							7
8														8
9														9
10														10
11														11
12														12
1		Inline												1

VESSEL	CRUISE ID	PROJECT & LEG	CTD FileName:	STATION NO.
Oscar Dyson	DY1609	BASIS Leg 1	Event 216	74

CONSC CAST #	LATITUDE DEG	LATITUDE MIN		LONGITUDE DEG	LONGITUDE MIN		DAY	MO	YR	TIME (GMT) HR	TIME (GMT) MIN	DRY BULB (°C)	RH (%)	Pressure (mb)	WIND DIRN. (deg)	WIND SPD. (kts)	BOTTOM DEPTH (m)	STA. NAME/ID
06	57	59.62	N	169	00.66	W	18	Sep	16	06	32	09.70	75	1017	264	10	71	74

SBE 9+	722	FLUOR S/N	FLNTUS-2057
PRESS SN	722	SBE43-Oxy (prime)	1961
PRI TEMP SN	2376	SBE43-Oxy (sec)	1875
SEC TEMP SN	4379	Transmissometer	CST-1066PR
PRI COND SN	2985	PAR S/N	70296
SEC COND SN	3127	O2 Tmp Senson No.	

Instrument Notes:

WEATHER OBS: SFC/Bottom Temp. MAX. DEPTH = 65 m

REMARKS:

~25m pycnocline

O_2 = bottom (277)

salinity = bottom (209)

Recorder Initials:

Nis No	DEPTH DESIRED	Rosette Notes	Hydro Team-PMEL SALT	Nut.Btl	O2-Btl.No	DIC/Alk	Chloro GFF Vol	>10 Large Vol	GFF Dup Vol	>10 dup vol	POC 500 ml		ommen	Nis No
1	BOT ✓		209	1183	277									1
2	50 ✓			1184										2
3	40 ✓			1185										3
4	30 ✓			1186										4
5	20 ✓			1187										5
6	10 ✓			1188										6
7	0 ✓			1189										7
8														8
9														9
10														10
11														11
12														12
1		Inline												1