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

CTD consec CAST #	LATITUDE DEG	LATITUDE MIN		LONGITUDE DEG	LONGITUDE MIN		GMT DATE DAY	MO (note if not)	YR	GMT Time HR	MIN	Temp (°C) (°C)	WET BULB (°C)	PRESSURE (mb)	SEA STATE	VISIBILITY	WIND DIRN (deg)	WIND SPD. (kts)	CLOUD (amt)	TYPE	WEATHER	BOTTOM DEPTH (m)	STN NAME/ID
155	56	30.58	N	170	59.94	W	02	Oct	12	15	51	5.6						12				125	

Local Time (AKDT) | | | 12 | | 024 347 | CTD MAX. DEPTH = 119

Sensor IDS (initially & swap-outs)	
SBE type and S/N	9 11plus - Dyson
PRESS S/N	772 - Dyson
TEMP 1 & 2 S/Ns	2376 and 4379 - Dyson
COND 1&2 S/Ns	2985 and 3127 - Dyson
FLUOR S/N	759 - EMA
O2 (SBE43) S/N	904 and 910 - PMEL
Transmiss S/N	1066 - EMA
PAR S/N	70103 - EMA
O2 SBE42S/N	N/A

Pycnocline Depth=

Depth of FL max =

Weather:

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

Nisk #	DEPTH DESIRED	Rosette Notes	Hydro Team-PMEL Sal Bl	Nut Bl	Oxy Bl	Stacked GFF [illegible]	Stacked [illegible]	Unstack GFF	Unstack [illegible]	Unstack [illegible]	Unstack [illegible]	POC [illegible]	Comments on other samples	Nisk #
1	Bot		434	1	290									1
2	100			2										2
3	—		—	—	—									3
4	75			3										4
5	60			4										5
6	50			5				287						6
7	40			6				291						7
8	30			7				290						8
9	20			8				288						9
10	10			9				290		290				10
11	0			10				290						11
12														12

VESSEL Oscar Dyson	CRUISE ID [redacted]	PROJECT & LEG (if needed) BASIS leg	CTD FileName (No need if data is live feed)	STATION NO. 195

CTD consec CAST #	LATITUDE DEG	LATITUDE MIN		LONGITUDE DEG	LONGITUDE MIN		GMT DATE DAY	MO (note if not)	YR	GMT Time HR	MIN	Temp (°C) (°C)	WET BULB (°C)	PRESSURE (mb)	SEA STATE	VISIBILITY	WIND DIRN (deg)	WIND SPD. (kts)	CLOUD (amt)	TYPE	WEATHER	BOTTOM DEPTH (m)	STA NAME/ID
156	56	29.75	N	171	59.13	W	02	OCT	12	21	15	7.5						06				575	
Local Time (AKDT)									12							8	065		8				

CTD MAX. DEPTH = 503

Sensor IDS (initially & swap-outs)	
SBE type and S/N	9 11plus - Dyson
PRESS S/N	772 - Dyson
TEMP 1 &2 S/Ns	2376 and 4379 - Dyson
COND 1&2 S/Ns	2985 and 3127 - Dyson
FLUOR S/N	759 - EMA
O2 (SBE43) S/N	904 and 910 - PMEL
Transmiss S/N	1066 - EMA
PAR S/N	70103 - EMA
O2 SBE42S/N	N/A

Pycnocline Depth=

Depth of FL max =

Weather:

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

Nisk #	DEPTH DESIRED	Rosette Notes	Nutri Team-PMEL Salt BT	Nut BT	Oxy BT	Stacked GFF [illegible]	Stacked [illegible]	Unstack GFF [illegible]	Unstack GFF [illegible]	Unstack [illegible]	Unstack [illegible]	POC [illegible]	Comments on other samples	Nisk #
1	RGT			11	280								TSG chl-a	1
2	200			12	279								also collected	2
3	—			—									[illegible]	3
4	100			13										4
5	75			14										5
6	60			15										6
7	50			16				287						7
8	40			17				291						8
9	30			18				290						9
10	20			19				288		291				10
11	10			20	289	540	534	290		290		510		11
12	0			21				290						12

VESSEL Oscar Dyson	CRUISE ID	PROJECT & LEG (if needed) BASIS leg 3	CTD FileName (No need if data is live feed)	STATION NO. 197

D912-08

CTD consec CAST #	LATITUDE DEG	LATITUDE MIN		LONGITUDE DEG	LONGITUDE MIN		GMT DATE DAY	(note if not) MO	YR	GMT Time HR	MIN	Temp (°C) (°C)	WET BULB (°C)	PRESSURE (mb)	SEA STATE	VISIBILITY	WIND DIR (deg)	WIND SPD. (kts)	CLOUD	TYPE	WEATHER	BOTTOM DEPTH (m)	STA NAME/ID
157	56	59.78	N	172	00.02	W	03	OCT	12	03	54	5.7						15				118	
Local Time (AKDT)									12				86	03	039							CTD MAX. DEPTH = 112	

Sensor IDS (initially & swap-outs)

SBE type and S/N	9 11plus - Dyson
PRESS S/N	772 - Dyson
TEMP 1 &2 S/Ns	2376 and 4379 - Dyson
COND 1&2 S/Ns	2985 and 3127 - Dyson
FLUOR S/N	759 - EMA
O2 (SBE43) S/N	904 and 910 - PMEL
Transmiss S/N	1066 - EMA
PAR S/N	70103 - EMA
O2 SBE42S/N	N/A

Pycnocline Depth= not sharp 30-45 m **Depth of FL max =** < 20m ~1

Weather:

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

* 30 - Underway nuts

Blanks for chl-a

Nisk #	DEPTH DESIRED	Rosette Notes	Salts Team-PMEL SALTS	NUTS	Oxy	Stacked GF/F [illegible]	Stacked [illegible]	Unstack GF/F [illegible]	Unstack GF/F [illegible]	Unstack [illegible]	Unstack [illegible]	POC [illegible]	Comments or other samples	Nisk #
1	Bot (116)			22										1
2	100			23										2
3														3
4	75			24										4
5	60			25										5
6	50			26				290						6
7	40			27				287						7
8	30			28				291			2.90			8
9	20		435	29				290						9
10	10			31*				288		290				10
11	0			32				290	289					11
12														12

VESSEL Oscar Dyson	CRUISE ID	PROJECT & LEG (if needed) BASIS leg 3	CTD FileName (No need if data is live feed)	STATION NO. 199

CTD consec CAST #	LATITUDE DEG	LATITUDE MIN	LONGITUDE DEG	LONGITUDE MIN	GMT DATE DAY	MO (note if not)	YR	GMT Time HR	MIN	Temp (°C)	WET BULB (°C)	PRESSURE (mb)	SEA STATE	VISIBILITY	WIND DIRN (deg)	WIND SPD. (kts)	CLOUD AMT	TYPES	WEATHER	BOTTOM DEPTH (m)	STA NAME/ID
158	57	00.39 N	171	01.49 W	03	OCT	12	14	13	5.7						25				104	

Local Time (AKDT) 12

4 093

CTD MAX. DEPTH = 96

Sensor IDS (initially & swap-outs)	
SBE type and S/N	911plus - Dyson
PRESS S/N	772 - Dyson
TEMP 1 &2 S/Ns	2376 and 4379 - Dyson
COND 1&2 S/Ns	2965 and 3127 - Dyson
FLUOR S/N	759 - EMA
O2 (SBE43) S/N	904 and 910 - PMEL
Transmiss S/N	1066 - EMA
PAR S/N	70103 - EMA
O2 SBE42S/N	N/A

Pycnocline Depth=

Depth of FL max = Top 36 m

Weather:

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

13:57 oct 3 u/w nut #42

– All chlorophylls associated with this station are labeled as (198) should be 199

Nisk #	DEPTH DESIRED	Rosette Notes	Dyson Team-PMEL Salt Bt	Nut Bt	Oxy Bt	Stacked GFF	Stacked	Unstack GFF	Unstack GFF	Unstack	Unstack	POC	Comments or other samples	Nisk #
1	BoT			33										1
2	25			34										2
3	—		—	—	—									3
4	60			35										4
5	50			36	297			287						5
6	40			37				291						6
7	30			38				290						7
8	20			39				258		291				8
9	10			40		534	540	290		290				9
10	0			41				290						10
11														11
12														12

VESSEL Oscar Dyson	CRUISE ID [redacted]	PROJECT & LEG (if needed) BASIS leg 3	CTD FileName (No need if data is live feed) CTD159	STATION NO. 201

CTD consec CAST #	LATITUDE			LONGITUDE			GMT DATE	(note if not)		GMT Time		Temp (°C)	WET BULB	PRESSURE	SEA STATE	VISIBILITY	WIND DIRN	WIND SPD.	CLOUD (amt)	TYPE	WEATHER	BOTTOM DEPTH	STA NAME/ID
	DEG	MIN		DEG	MIN		DAY	MO	YR	HR	MIN	(°C)	(°C)	(mb)			(deg)	(kts)				(m)	
159	57	30.06	N	170	59.73	W	04	OCT	12	00	21	5.9						23				90	
Sensor IDS (initially & swap-outs)	Local Time (AKDT)								12								106					CTD MAX. DEPTH = 82	

Sensor IDS	
SBE type and S/N	9 11plus - Dyson
PRESS S/N	772 - Dyson
TEMP 1 &2 SNs	2376 and 4379 - Dyson
COND 1&2 S/Ns	2985 and 3127 - Dyson
FLUOR S/N	759 - EMA
O2 (SBE43) S/N	904 and 910 - PMEL
Transmiss S/N	1066 - EMA
PAR S/N	70103 - EMA
O2 SBE42S/N	N/A

Pycnocline Depth= Depth of FL max = None

Weather:

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

UW NUT #51

Nisk #	DEPTH DESIRED	Rosette Notes	Hydro Team-PMEL SALTS	Nutri	Oxy Bt	Stacked GFF 0.7um vol	Stacked 10 um vol	Unstack GFF vol	Unstack GF ... vol	Unstack >5um	Unstack >10 um vol	ROC Sample	Comments - other samples	Nisk #
1	BoT			43										1
2	60			44										2
3	=			=										3
4	50			45				288						4
5	40			46				290						5
6	30			47				290						6
7	20			48				291						7
8	10			49	286			287		290	290			8
9	0			50				289	290					9
10														10
11														11
12														12

VESSEL Oscar Dyson	CRUISE ID	PROJECT & LEG (if needed) BASIS leg 3	CTD FileName (No need if data is live feed) CTD160	STATION NO. 202

CTD consec CAST #	LATITUDE DEG	LATITUDE MIN		LONGITUDE DEG	LONGITUDE MIN		GMT DATE DAY	(note if not) MO	YR	GMT Time HR	MIN	Temp (°C) (°C)	WET BULB (°C)	PRESSURE (mb)	SEA STATE	VISIBILITY	WIND DIRN (deg)	WIND SPD. (kts)	CLOUD (amt)	TYPE	WEATHER	BOTTOM DEPTH (m)	STA. NAME/ID
160	57	29.99	N	172	00.09	W	05	OCT	12	15	52	5.5					280	22				109	

Local Time (AKDT): 1 2

CTD MAX. DEPTH = 103

Sensor IDS (initially & swap-outs)

Sensor	ID
SBE type and S/N	9 11plus - Dyson
PRESS S/N	772 - Dyson
TEMP 1 &2 SNs	2376 and 4379 - Dyson
COND 1&2 S/Ns	2985 and 3127 - Dyson
FLUOR S/N	759 - EMA
O2 (SBE43) S/N	904 and 910 - PMEL
Transmiss S/N	1066 - EMA
PAR S/N	70103 - EMA
O2 SBE42S/N	N/A

Pycnocline Depth=

Depth of FL max = none

Weather:

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

nut #61 u/w sample 5 oct 16:25:30

Nisk #	DEPTH DESIRED	Rosette Notes	Hydro Team-PMEL SALT Btl	Hydro Team-PMEL Nut Btl	Hydro Team-PMEL Oxy Btl	Stacked GFF >10 vol	Stacked (dup vol)	Unstack GFF vol	Unstack GFF dup vol	Unstack >10 vol	Unstack >10 dup vol	POC 500ml	Comments or other samples	Nisk #
1	BOT		436	52	226									1
2	75			53										2
3	—			—										3
4	60			54										4
5	50			55				288						5
6	40			56										6
7	30			57										7
8	20			58										8
9	10			59						290				9
10	0			60										10
11														11
12														12

VESSEL	CRUISE ID	PROJECT & LEG (if needed)	CTD FileName (No need if data is live feed)	STATION NO.
Oscar Dyson		BASIS leg 3	CTD161	204

CTD consec CAST #	LATITUDE DEG	LATITUDE MIN		LONGITUDE DEG	LONGITUDE MIN		GMT DATE DAY	MO (note if not)	YR	GMT Time HR	MIN	Temp (°C) (°C)	WET BULB (°C)	PRESSURE (mb)	SEA STATE	VISIBILITY	WIND DIRN (deg)	WIND SPD. (kts)	CLOUD	TYPE	WEATHER	BOTTOM DEPTH (m)	STN NAME/ID
161	57	59.88	N	171	59.77	W	05	OCT	12	22	13	5.7						20				104	

Local Time (AKDT): 12 257

CTD MAX. DEPTH = 97

Sensor IDS (initially & swap-outs)

SBE type and S/N	9 11plus - Dyson
PRESS S/N	772 - Dyson
TEMP 1 &2 S/Ns	2376 and 4379 - Dyson
COND 1&2 S/Ns	2985 and 3127 - Dyson
FLUOR S/N	759 - EMA
O2 (SBE43) S/N	904 and 910 - PMEL
Transmiss S/N	1066 - EMA
PAR S/N	70103 - EMA
O2 SBE42S/N	N/A

Pycnocline Depth=

Depth of FL max = 18 m

Weather:

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

Secondary cond = jellyfish leg on upcast. Cleaned before CTD162.

Nisk #	DEPTHS DESIRED	Rosette Notes	Bottle Temp/PMEL SAL	Nutri	Oxy	Stacked [illegible]	Stacked [illegible]	Unstack GFF	Unstack GFF	Unstack [illegible]	Unstack [illegible]	[illegible]	Comments / other samples	Nisk #
1	Bot			62										1
2	75			63										2
3	—			—										3
4	60			64										4
5	50			65				288						5
6	40			66				290						6
7	30			67				290						7
8	20		437	68				291						8
9	10			69	187			287		290	290			9
10	0			70				290	289					10
11														11
12														12

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

CTD consec CAST #	LATITUDE DEG	LATITUDE MIN		LONGITUDE DEG	LONGITUDE MIN		GMT DATE DAY	MO (note if not)	YR	GMT Time HR	MIN	Temp (°C)	WET BULB (°C)	PRESSURE (mb)	SEA STATE	VISIBILITY	WIND DIRN (deg)	WIND SPD. (kts)	CLOUD (tnth)	TYPE	WEATHER	BOTTOM DEPTH (m)	STA NAME/ID
162	57	59.83	N	170	59.91	W	06	oct	12	05	08	5.3		90		07	227	19				88	
Local Time (AKDT)									12													CTD MAX. DEPTH =	

Sensor IDS (initially & swap-outs)

SBE type and S/N 9 11plus - Dyson
PRESS S/N 772 - Dyson
TEMP 1 &2 S/Ns 2376 and 4379 - Dyson
COND 1&2 S/Ns 2985 and 3127 - Dyson
FLUOR S/N 759 - EMA
O2 (SBE43) S/N 904 and 910 - PMEL
Transmiss S/N 1066 - EMA
PAR S/N 70103 - EMA
O2 SBE42S/N N/A

Pycnocline Depth= 42-46m Depth of FL max = 40m ~1.3mg/m3

Weather:

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

Underway → #644 sal
→ 80 nut

Nisk #	DESIRED	Rosette Notes	Hydro Team-PMEL SAL Bt	Nut Bt	Oxy Bt	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	Comments	Nisk #
1	Bot 86			71				Jeanette says it may have leaked						1
2	75			72										2
3	—		—	—	—									3
4	60			73										4
5	50			74				288						5
6	40			75				290						6
7	30			76				290						7
8	20			77				291						8
9	10			78				287						9
10	0			79				290						10
11														11
12														12

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

CTD consec CAST #	LATITUDE DEG	LATITUDE MIN		LONGITUDE DEG	LONGITUDE MIN		GMT DATE DAY	(note if not) MO	YR	GMT Time HR	MIN	Temp (°C) (°C)	WET BULB (°C)	PRESSURE (mb)	SEA STATE	VISIBILITY	WIND DIRN (deg)	WIND SPD. (kts)	CLOUD (amt)	TYPE	WEATHER	BOTTOM DEPTH (m)	STA NAME/ID
163	58	30.40	N	170	59.73	W	06	oct	12	15	36	5.1						16				84	
Local Time (AKDT)									12							213						CTD MAX. DEPTH = 77	

Sensor IDS (initially & swap-outs)

SBE type and S/N	9 11plus - Dyson
PRESS S/N	772 - Dyson
TEMP 1 &2 S/Ns	2376 and 4379 - Dyson
COND 1&2 S/Ns	2985 and 3127 - Dyson
FLUOR S/N	759 - EMA
O2 (SBE43) S/N	904 and 910 - PMEL
Transmiss S/N	1066 - EMA
PAR S/N	70103 - EMA
O2 SBE42S/N	N/A

Pycnocline Depth=

Depth of FL max = 0-30 m

Weather:

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

U/w Sample nut # 89 16:07.45

Nisk #	DEPTH DESIRED	Bottle Notes	SALT Bt#	Nutri	Chl	Stacked [illegible]	Stacked [illegible]	Unstack GFF Vol	Unstack [illegible]	Unstack [illegible]	Unstack [illegible]	POC [illegible]	Comments or other samples	Nisk #
1	Bot		438	81	064								TSS collected	1
2	60			82										2
3	—		—	—	—									3
4	50			83				288						4
5	40			84				290						5
6	30			85				290						6
7	20			86				291						7
8	10			87		534	#510	287	290					8
9	0			88				290						9
10														10
11														11
12														12

Stacked "B" did not filter last 6 lines

VESSEL	CRUISE ID	PROJECT & LEG (if needed)	CTD FileName (No need if data is live feed)	STATION NO.
Oscar Dyson		BASIS leg 3	CTD 164	208

CTD consec CAST #	LATITUDE DEG	LATITUDE MIN		LONGITUDE DEG	LONGITUDE MIN		GMT DATE DAY	MO (note if not)	YR	GMT Time HR	MIN	Temp (°C) (°C)	WET BULB (°C)	PRESSURE (mb)	SEA STATE	VISIBILITY	WIND DIRN (deg)	WIND SPD. (kts)	CLOUD (10th)	TYPE	WEATHER	BOTTOM DEPTH (m)	STA NAME/ID
164	58	30.10	N	171	59.28	W	06	oct	12	21	02	5.7						10				100	
Local Time (AKDT)									12			184										CTD MAX. DEPTH = 92	

Sensor IDS (initially & swap-outs)

SBE type and S/N	9 11plus - Dyson
PRESS S/N	772 - Dyson
TEMP 1 &2 S/Ns	2376 and 4379 - Dyson
COND 1&2 S/Ns	2985 and 3127 - Dyson
FLUOR S/N	759 - EMA
O2 (SBE43) S/N	904 and 910 - PMEL
Transmiss S/N	1066 - EMA
PAR S/N	70103 - EMA
O2 SBE42S/N	N/A

Pycnocline Depth=

Depth of FL max = slight peak 28 m

Weather:

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

Nisk #	DEPTH DESIRED	Rosette Notes	SALT Bt	Nut Bt	Oxy Bt	Stacked GFF	Stacked	Unstack GFF vol	Unstack GF/F 10um vol	Unstack	Unstack	ROC	Comments or other samples	Nisk #
1	Bot			90									TSG collected	1
2	75			91										2
3	—		—	—	—									3
4	60			92										4
5	50			93				288						5
6	40			94				290						6
7	30			95				290						7
8	20		439	96	046			291						8
9	10			97				287		290	290	5%		9
10	0			98				290	289					10
11														11
12														12

VESSEL	CRUISE ID	PROJECT & LEG (if needed)	CTD FileName (No need if data is live feed)	STATION NO.
Oscar Dyson	DY12-08	BASIS leg 3	CTD 165	210

CTD consec CAST #	LATITUDE DEG	LATITUDE MIN		LONGITUDE DEG	LONGITUDE MIN		GMT DATE (note if not) DAY	MO	YR	GMT Time HR	MIN	Temp (°C) (°C)	WET BULB (°C)	PRESSURE (mb)	SEA STATE	VISIBILITY	WIND DIRN (deg)	WIND SPD. (kts)	CLOUDY(%)	TYPE	WEATHER	BOTTOM DEPTH (m)	STA NAME/ID
165	59	00.53	N	172	01.23	W	07	OCT	12	04	29	4.9						03				93	
														97	16		086	03					

Local Time (AKDT) 12

CTD MAX. DEPTH = 88

Sensor IDS (initially & swap-outs)

SBE type and S/N	9 11plus - Dyson
PRESS S/N	772 - Dyson
TEMP 1 &2 S/Ns	2376 and 4379 - Dyson
COND 1&2 S/Ns	2985 and 3127 - Dyson
FLUOR S/N	759 - EMA
O2 (SBE43) S/N	904 and 910 - PMEL
Transmiss S/N	1066 - EMA
PAR S/N	70103 - EMA
O2 SBE42S/N	N/A

Pycnocline Depth= 18-25 m (not sharp)

Depth of FL max = 38 m ~3 mg/m3

Weather:

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

CTD after surface trawl (light)

uw NUT#108
SALT#646

Nisk #	DEPTH DESIRED	Rosette Notes	SALT/Chl	Nut	Oxy	Stacked [illegible]	Stacked [illegible]	Unstack [illegible]	Unstack [illegible]	Unstack [illegible]	Unstack [illegible]	POC [illegible]	Comments [illegible]	Nisk #
1	Bot 89			99										1
2	75			100										2
3	—		—	—										3
4	60			101										4
5	50			102				288						5
6	40			103				290						6
7	30			104				290						7
8	20			105				291						8
9	10			106				287		290				9
10	0			107				290						10
11														11
12														12

VESSEL Oscar Dyson	CRUISE ID	PROJECT & LEG (if needed) BASIS leg 3	CTD FileName (No need if data is live feed) CTD166	STATION NO. 213

CTD consec CAST #	LATITUDE DEG	LATITUDE MIN		LONGITUDE DEG	LONGITUDE MIN		GMT DATE DAY	MO (note if not)	YR	GMT Time HR	MIN	Temp (°C) (°C)	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	WIND SPD. (kts)	[illegible]	[illegible]	[illegible]	BOTTOM DEPTH (m)	[illegible]
166	59	29.79	N	172	61.17	W	07	OCT	12	15	39	2.9					040	17				80	
Local Time (AKDT)									12													CTD MAX. DEPTH = 73	

Sensor IDS (initially & swap-outs)

SBE type and S/N	9 11plus - Dyson
PRESS S/N	772 - Dyson
TEMP 1 &2 S/Ns	2376 and 4379 - Dyson
COND 1&2 S/Ns	2985 and 3127 - Dyson
FLUOR S/N	759 - EMA
O2 (SBE43) S/N	904 and 910 - PMEL
Transmiss S/N	1066 - EMA
PAR S/N	70103 - EMA
O2 SBE42S/N	N/A

Pycnocline Depth=

Depth of FL max = 28 m

Weather:

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

u/w nut #942 at 16:19:05

Nisk #	DEPTH DESIRED	Bottle Notes	Salt Btl	Nut Btl	Oxy Btl	[illegible]	[illegible]	Unstack GFF	[illegible]	[illegible]	[illegible]	POC	Comments on other samples	Nisk #
1	Bot			109									GFF @ ISG	1
2	68			110										2
3	—		—	—	—									3
4	50			111				288						4
5	40			112				290						5
6	30			113				290						6
7	20			114	016			291						7
8	10		490	115		531	590	257		290				8
9	0			116				290						9
10														10
11														11
12														12

VESSEL Oscar Dyson	[redacted]	PROJECT & LEG (If needed) BASIS leg 3	CTD FileName (No need if data is live feed) CTD 167	STATION NO. 214

CTD consec CAST #	LATITUDE DEG	LATITUDE MIN		LONGITUDE DEG	LONGITUDE MIN		GMT DATE DAY	MO (note if not).	YR	GMT Time HR	MIN	Temp (°C) (°C)	[redacted]	WIND SPD. (kts)	[redacted]	BOTTOM DEPTH (m)	[redacted]
167	59	30.07	N	171	09.94	W	07	OCT	12	20	46	4.1		22		73	
Local Time (AKDT)									12			035				CTD MAX. DEPTH = 66	

Sensor IDS (initially & swap-outs)

SBE type and S/N	9 11plus - Dyson
PRESS S/N	772 - Dyson
TEMP 1 &2 SNs	2376 and 4379 - Dyson
COND 1&2 S/Ns	2985 and 3127 - Dyson
FLUOR S/N	759 - EMA
O2 (SBE43) S/N	904 and 910 - PMEL
Transmiss S/N	1066 - EMA
PAR S/N	70103 - EMA
O2 SBE42S/N	N/A

Pycnocline Depth= Depth of FL max = 21 m

Weather:

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

Nisk #	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	Nisk #
1	8.+		441	117	239									1
2	50			118				288						2
3	—		—	—	—									3
4	40			119				290						4
5	30			120				290						5
6	20			121				291						6
7	10			122				287		290	290			7
8	0			123				290	289					8
9														9
10														10
11														11
12														12

VESSEL Oscar Dyson	CRUISE ID	PROJECT & LEG (if needed) BASIS leg 3	CTD FileName (No need if data is live feed) CTD168	STATION NO. 215

CTD consec CAST #	LATITUDE DEG	LATITUDE MIN		LONGITUDE DEG	LONGITUDE MIN		GMT DATE DAY	MO (note if not)	YR	GMT Time HR	MIN	Temp (°C)	WET BULB (°C)	PRESSURE (mb)	SEA STATE	VISIBILITY	WIND DIRN (deg)	WIND SPD. (kts)	CLOUD TYPE	WEATHER	BOTTOM DEPTH (m)	STN NAME/ID
168	59	39.10	N	169	59.79	W	08	oct	12	01	43	4.6					021	23			61	

CTD MAX. DEPTH = 55

Sensor IDS (initially & swap-outs) Local Time (AKDT) 12

SBE type and S/N	9 11plus - Dyson
PRESS S/N	772 - Dyson
TEMP 1 &2 S/Ns	2376 and 4379 - Dyson
COND 1&2 S/Ns	2985 and 3127 - Dyson
FLUOR S/N	759 - EMA
O2 (SBE43) S/N	904 and 910 - PMEL
Transmiss S/N	1066 - EMA
PAR S/N	70103 - EMA
O2 SBE42S/N	N/A

Pycnocline Depth=

Depth of FL max = None

Weather:

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

nut #130 w/w Sample

nut #131 w/w Sample 8 oct 17.55.57

nut # 132 w/w Sample 9 oct 16.28.11

Nisk #	DEPTH DESIRED	Rosette Notes	Nutrients PMEL SALT	Nut	Oxy	Stacked GF/F	Stacked	Unstack GF/F	Unstack GF/F	Unstack	Unstack	POC	Comments/other samples	Nisk #
1	Bot			124									Blank	1
2	40			125										2
3	—		—	—	—			258						3
4	30			126				290						4
5	20			127				290						5
6	10			128				291		290				6
7	0			129				287						7
8								296						8
9														9
10														10
11														11
12														12

VESSEL Oscar Dyson	CRUISE ID	PROJECT & LEG (if needed) BASIS leg 3	CTD FileName (No need if data is live feed) CTD 169	STATION NO. 216

CTD consec CAST #	LATITUDE DEG	LATITUDE MIN		LONGITUDE DEG	LONGITUDE MIN		GMT DATE DAY	MO (note if not)	YR	GMT Time HR	MIN	Temp (°C) (°C)	WET BULB (°C)	PRESSURE	SEA STATE	VISIBILITY	WIND DIRN (deg)	WIND SPD. (kts)	CLOUD	TYPE	WEATHER	BOTTOM DEPTH (m)	STA NAME
169	60	00.25	N	171	59.94	W	09	OCT	12	22	58	3.9						24				64	

Local Time (AKDT) 12

076

CTD MAX. DEPTH = 60

Sensor IDS (initially & swap-outs)

- SBE type and S/N: 9 11plus - Dyson
- PRESS S/N: 772 - Dyson
- TEMP 1 &2 S/Ns: 2376 and 4379 - Dyson
- COND 1&2 S/Ns: 2985 and 3127 - Dyson
- FLUOR S/N: 759 - EMA
- O2 (SBE43) S/N: 904 and 910 - PMEL
- Transmiss S/N: 1066 - EMA
- PAR S/N: 70103 - EMA
- O2 SBE42S/N: N/A

Pycnocline Depth=

Depth of FL max = none

Weather:

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

Underway NUT #140

u/w nut #148 oct 10 15:33:43

Nisk #	DEPTH DESIRED	Rosette Notes	SAL Btl	Nutri Btl	Chl Btl	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	POC Sample	Comments on other samples	Nisk #
1	BoT			133	221								TSG	1
2	50			134				288						2
3	—		—	—	—			~~288~~						3
4	40			135				290						4
5	30			136				290						5
6	20		442	137				291		290				6
7	10			138		546		287						7
8	0			139				290						8
9														9
10														10
11														11
12														12

VESSEL Oscar Dyson	CRUISE ID	PROJECT & LEG (if needed) BASIS leg 3	CTD FileName (No need if data is live feed) CTD 170	STATION NO. 217

CTD consec CAST #	LATITUDE DEG	LATITUDE MIN		LONGITUDE DEG	LONGITUDE MIN		GMT DATE DAY	(note if not) MO	YR	GMT Time HR	MIN	Temp (°C)	[illegible]	[illegible]	[illegible]	[illegible]	WIND DIRN (deg)	WIND SPD. (kts)	[illegible]	[illegible]	[illegible]	BOTTOM DEPTH (m)	[illegible]
170	60	00.29	N	170	59.48	W	10	oct	12	05	02	4.4										69	
												101		19			77	16					

DY12-08

Local Time (AKDT) ‒ 12

CTD MAX. DEPTH = 64

Sensor IDS (initially & swap-outs)

SBE type and S/N	9 11plus - Dyson
PRESS S/N	772 - Dyson
TEMP 1 &2 S/Ns	2376 and 4379 - Dyson
COND 1&2 S/Ns	2985 and 3127 - Dyson
FLUOR S/N	759 - EMA
O2 (SBE43) S/N	904 and 910 - PMEL
Transmiss S/N	1066 - EMA
PAR S/N	70103 - EMA
O2 SBE42S/N	N/A

Pycnocline Depth= 34-38 m

Depth of FL max = ~36m ~0.8mg

Weather:

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

SEC COND SPIKE ~31m

MULTIPLE SPIKES 50-60m IN SEC COND

Underway Nut #149 0315

Nisk #	DEPTH DESIRED	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	Comments or other samples	Nisk #
1	66 Bot			140										1
2	50			141										2
3	–		–	–	–									3
4	40			142										4
5	30			143										5
6	20			144										6
7	10			150										7
8	0			151										8
9														9
10														10
11														11
12														12

VESSEL	CRUISE ID	PROJECT & LEG (if needed)	CTD FileName (No need if data is live feed)	STATION NO.
Oscar Dyson	DY12-08	BASIS leg 3	RH	

CTD consec CAST #	LATITUDE DEG	LATITUDE MIN		LONGITUDE DEG	LONGITUDE MIN		GMT DATE (note if not) DAY	MO	YR	GMT Time HR	MIN	Temp (°C)	WET BULB (°C)	PRESSURE (mb)	SEA STATE	VISIBILITY	WIND DIRN (deg)	WIND SPD. (kts)	CLOUD (amt)	TYPE	WEATHER	BOTTOM DEPTH (m)	STA NAME
171	57	43.45	N	152	17.62	W	13	OCT	12	23	38	6.5										170	

Local Time (AKDT) | | | 12 | | | |

101 81 029 28

CTD MAX. DEPTH = 166

Sensor IDS (initially & swap-outs)

SBE type and S/N	9 11plus - Dyson
PRESS S/N	772 - Dyson
TEMP 1 &2 S/Ns	2376 and 4379 - Dyson
COND 1&2 S/Ns	2985 and 3127 - Dyson
FLUOR S/N	759 - EMA
O2 (SBE43) S/N	904 and 910 - PMEL
Transmiss S/N	1066 - EMA
PAR S/N	70103 - EMA
O2 SBE42S/N	N/A

Pycnocline Depth=

Depth of FL max =

Weather:

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

Nisk #	DEPTH DESIRED	[illegible]	Oxygen Titration PMEL: [illegible]	Oxygen Titration PMEL: [illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	Nisk #
1	170		.443										1
2													2
3													3
4													4
5													5
6													6
7													7
8													8
9													9
10													10
11													11
12													12