

Oxygen Sample Logsheet

Cruise #: **DY1805**

Page 1 of 2

Date: 3-May-18	Standard #: 793.23
Standard #: 793.83	Thio Temp: 20.0C

Blanks: 793.23	R1 79.62	R2 75.35
793.83	80.79	76.34
793.60	80.37	75.86

Sample Date	Cast/Date	Niskin/Time	Bottle #	Vol. Reg.	End Point	Comments
1 30 APR 18	01	5 9	132	/	1106.10	
2 30 APR 18	01	/	182	/	1085.62	
3 01 May 18	02	8	275	/	1097.78	
4 01 May 18	03	/	348	/	1078.01	
5 01 May 18	04	/	146	/	1090.62	
6 01 May 18	05	9	244	/	1067.14	
7 01 May 18	06	/	242	/	1082.65	
8 01 May 18	07	/	258	/	1078.37	
9 02 May 18	08	/	254	/	1063.20	
10 02 May 18	08	3	268	/	1130.87	
11 02 May 18	09	/	255	/	1064.36	
12 02 May 18	10	8	328	/	1081.53	
13 02 May 18	11	/	296	/	1080.76	
14 02 May 18	12	8	332	/	1085.12	
15 02 May 18	13	/	330	/	1059.20	
16 02 May 18	14	8	279	/	1097.46	
17 02 May 18	15	/	365	/	1091.23	
18 02 May 18	16	8	366	/	1097.63	
19 02 May 18	17	/	359	/	1074.95	
20 02 May 18	18	8	361	/	1094.68	
21 03 May 18	19	/	362	/	1080.21	
22 03 May 18	20	8	361	/	1066.83	
23 03 May 18	21	/	361	/	1061.10	
24 03 May 18	22	8	363	/	1092.27	
25 03 May 18	23	/	369	/	1088.54	

Oxygen Sample Logsheet

292

Cruise #: **DY1805**

Date:	3-May-18
Standard #:	
Thio Temp:	

R1	R2

Blanks:	

Sample Date	Cast/Date	Niskin/Time	Bottle #	Vol. Reg.	End Point	Comments
1 03 May 18	24	8	372	1	1129.70	
2 03 May 18	25	1	368	1	1080.22	
3 03 May 18	26	8	374	1	1100.37	
4						
5						
6						
7						
8						
9						
10						
11						
12						
13						
14						
15						
16						
17						
18						
19						
20						
21						
22						
23						
24						
25						

Oxygen Sample Logsheet

Cruise #:

DY1805

Date: 5-8-2018	Standard #: 24.0C
Standard #: 792.20	Thio Temp: 792.86
Standards: 792.31	

R1	R2

Sample Date	Cast/Date	Niskin/Time	Bottle #	Vol. Reg.	End Point	Comments
1 3-May-18	27	1	303	1	1023.20	reset bottle before fitting diver
2 3-May-18	28	8	300	1	1102.52	Volume-
3 3-May-18	29	1	338	1	1124.40	
4 05-May-18	30	1	336	1	1109.26	
5 6-May-18	31	7	335	1	1134.78	
6 "	"	8	304	1	1109.38	79
7 6-May-18	32	1	340	1	1146.10	
8 "	"	2	343	1	1142.85	
9 6-May-18	33	8	337	1	1135.10	
10 "	"	7	381	1	1129.90	
11 6-May-18	34	1	333	1	1129.85	
12 6-May-18	35	8	339	1	1133.81	
13 6-May-18	36	1	341	1	1102.09	
14 6-May-18	37	1	334	1	1098.84	
15 "	"	8	329	1	1128.34	
16 6-May-18	38	1	392	1	1092.91	
17 06-May-18	39	8	132	1	1140.08	
18 07-May-18	40	1	146	1	1123.46	
19 7-May-18	41	2	182	1	1088.97	
20 7-May-18	42	9	244	1	1086.63	
21 7-May-18	43	1	247	1	1095.88	
22						
23						
24						
25						

electrode
Accumet-V20-173
#13-173

Oxygen Sample Logsheet

Cruise #:

DY1805

Date:	May 10, 18
Standard #:	18
Thio Temp:	20°C

Standards:	794.29
	793.95
	793.42

R1	R2

Sample Date	Cast/Date	Niskin/Time	Bottle #	Vol. Reg.	End Point	Comments
1 9-May-18	44	1	359	/	937.81	
2 9-May-18	45	9	360	/	1042.36	
3 9-May-18	46	8	361	/	1067.96	
4 9-May-18	47	1	362	/	1092.11	
5 9-May-18	48	6	363	/	1062.59	
6 9-May-18	49	1	364	/	1016.58	
7 9-May-18	50	9	365	/	1022.85	
8 9-May-18	51	1	366	/	931.64	
9 10-May-18	52	1	367	/	165.25	
10 10-May-18	53	11	368	/	1142.83	
11 "	"	2	369	/	676.84	
12 10-May-18	54	1	370	/	260.93	
13						
14						
15						
16						
17						
18						
19						
20						
21						
22						
23						
24						
25						

VESSEL	CRUISE ID		PROJECT & LEG				STATION NO												
	NOAAS Oscar Dyson		DY1805		Eco-FOCI Spring Mooring Cruise				Bongo:										
CONSC CAST #	LATITUDE		LONGITUDE		DAY	MO	YR	TIME (GMT)	DRY BULB	RH	PRESSURE	WIND DIRN	(deg)	(kts)	WIND SPD.	(m/s)	BOTTOM DEPTH	(m)	STA. NAME/ID
	DEG	MIN	DEG	MIN															
00 15 56	52.28	N	164.02	92	W	30	PPK	1 8	1921	3.7	98	1013	230	21	72	M2ca1			
SBE 9+			0291	Fluor/Turbidity		FLNTUS-2057		WEATHER OBS:						Max. Depth = 65 m					
PRESS SN			0291	SBE43-Oxy (prime)		1961													
Prn Temp SN			4379	SBE43-Oxy (sec)		0904													
Sec Temp SN			2376	Altimeter		4708													
Prn Cond SN			042985	PAR S/N		70547													
Sec Cond SN			043127																
REMARKS: Niskin 2 did not close - Bottom cap Niskin 10 did not close																			
Instrument Notes:																			
Recorder Initials:																			
Nis	Depth	Rosette Notes	Hydro Team-PMEL			Chloro			Carbon Chemistry			Comments			Nis				
No	Desired		Salt	Nut	Btl	O2-Btl	No	GFF Vol		UAF-CO2						No			
1	67		1	1	182				-							1			
2	67		2	182												2			
3	50		3	182				283								3			
4	40		4	182				285								4			
5																5			
6	30		5	182				283								6			
7	25		6	182				285								7			
8	25		7	182				289								8			
9	15		8	132				283								9			
10	10		9	132				283								10			
11	Sh R		10	182				279								11			
12																12			
Niskin removed for PAR																			
inline																			

VESSEL	CRUISE ID	PROJECT & LEG				STATION NO
		Eco-FOCI Spring Mooring Cruise				
NOAAS Oscar Dyson	DY1805					Bongo: B01 B02 RZA
CONSC CAST #	LATITUDE	LONGITUDE				
	DEG MIN	DEG MIN	DAY	MO	YR	
00 25 65 S	61 . 61 N	163 49 . 67 w	01 M A Y 1 8	03 58	4 . 0	94 10 15 21 91 5
		TIME (GMT)	DRY BULB	RH	Pressure	WIND SPD.
SBE 9+	0291	FLINTUS-2057			(mb)	(m/s)
PRESS SN	0291	SBE43-Oxy (ppme)		1961		
Pn Temp SN	4379	SBE43-Oxy (sec)		0904		
Sec Temp SN	2376	Altimeter		4708		
Pn Cond SN	042985	FAR SN		70547		
Sec Cond SN	043127					
						MAX. DEPTH = 63 m
						WEATHER OBS:
						REMARKS: Bongo hit bottom

Instrument Notes:

28

Recorder initials:

VESSEL	CRUISE ID		PROJECT & LEG				Bongo: B004003		RZA		STATION NO.	
NOAAS Oscar Dyson	DY1805		Eco-FOCI Spring Mooring Cruise									
CONSC CAST #	LATITUDE		LONGITUDE		TIME (GMT)		DRY BULB		WIND DIRN.		BOTTOM DEPTH	
	DEG	MIN	DEG	MIN	DAY	MO	HR	MIN	(deg)	(deg)	(m)	STA. NAME/ID
0035 ⁴⁰ .16 N	0035 ⁴⁰ .16 N	16351.86 W	01 MAY 18	0802	3.2	100	1016	2321	3	71	MAX DEPTH = 70 m	7015 S
SBE 9+	0291		Fluor/Turbidity	FLINTUS-2057								
PRESS SN	0291		SBE43-Oxy (prime)	1961								
IPn Temp SN	4379		SBE43-Oxy (sec)	0904								
Sec Temp SN	2376		Allimeter	4708								
IPn Cond SN	042985		PAR S/N	70547								
Sec Cond SN	043127											
WEATHER OBS:												
REMARKS: 100g went flakey on upcast ~50m #1 Nufisent Sample Bottle 024 lost overboard #2 Niskin hung up on rail												
Recorder initials: Pd												
Instrument Notes:												
Nis No	Depth	Rosette Notes		Hydro Team-PMEL		Chloro		Carbon Chemistry		Comments		No
Desired		Salt	Nut. BII	O2-BII No		GFF Vol		UAF-CO2				No
1	130	18	348			883						1
2	50	54	192			255						2
3	40		20			289						3
4	30		21									4
5												5
6	20											6
7	10											7
8	0											8
9												9
10												10
11												11
12												12
Niskin removed for PAR												

VESSEL		CRUISE ID		PROJECT & LEG		Eco-FOCI Spring Mooring Cruise				Bongo:				STATION NO					
NOAAS Oscar Dyson		DY1805												RZA	S	5	H	I	
CONSC CAST #		LATITUDE		LONGITUDE		TIME (GMT)		DRY BULB	RH	WIND		DIRN.	SPD.	BOTTOM DEPTH		STA. NAME/ID			
DEG	MIN	DEG	MIN	DAY	MO	HR	MIN	(°C)	(%)	(mb)	(deg)	(kts)	(m)						
0055	16.17	N	169.20	04	W	01	MAY	18	1356	2.8	97	1017	23613	79	70M2W	66 m			
SBE 9+	0291		Fluor/Turbidity																
PRESS SN	0291		SBE43-Oxy (prime)																
Opn Temp SN	4379		SBE43-Oxy (sec)																
Sec Temp SN	2376		Allimeter																
Pri Cond SN	042985		PAR S/N																
Sec Cond SN	043127																		
WEATHER OBS: It was a dark and stormy night...																			
REMARKS:																			
Instrument Notes:																			
Recorder Initials:																			
Ns	Depth	Rosette Notes		Hydro Team-PMEI				Carbon Chemistry								Comments		Recorder Initials:	
No	Desired			Salt	Nut Btl	O2-Btl No	GFF Vol	UAF-CO ₂											
1	Bot			2	33			283				285							
2																			
3	50			34															
4	40			35															
5																			
6	30			36				289				283							
7	20			37				288				279							
8	10			38				282				263							
9	0			39	244														
10																			
11																			
12	Niskin removed for PAR																		
	1																		

VESSEL	CRUISE ID	PROJECT & LEG				Bongo:				STATION NO			
		Eco-FOCI Spring Mooring Cruise				Bongo:				RZA			
NOAAS Oscar Dyson	DY1805									S 6	H 1		
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	deg	(kts)	(m)			
006	56 48 . 4 / N	1	64 34 . 80 W	01 MAY 18	1533	3 . 2	100	1017	231	17	70M3		
SBE 9+	0291	Fluor/Turbidity	FLINTUS-2057								MAX DEPTH = 65 m		
PRESS SN	0291	SBE43-Oxy (prime)	1961										
PN Temp SN	4379	SBE43-Oxy (sec)	0904										
Sec Temp SN	2376	Altimeter	4708										
PN Cond SN	042985	PAR SIN	70547										
Sec Cond SN	043127												
WEATHER OBS:													
REMARKS:													
Instrument Notes:													
Recorder Initials:													
Nis No	Depth Desired	Rosette Notes	Hydro Team-PMEI			Chloro			Carbon Chemistry			Nis No	
			Sail	Nut. Btl	O2-Btl No	GFF Vol			UAF-CO2			No	
1	Ball		40	247								1	
2	50		41			283						2	
3	40		42			285						3	
4	30		43			289						4	
5	Niskin removed for RDR CTD 60657											5	
6	20		44			283						6	
7	10		45			279						7	
8	0		46			283						8	
9												9	
10												10	
11												11	
12												12	
											Inline		

VESSEL	CRUISE ID	PROJECT & LEG						STATION NO.									
		NOAAS Oscar Dyson			DY1805			Eco-FOCI Spring Mooring Cruise			Bongo:			RZA			S 7 H 1
CONSC CAST #	LATITUDE		LONGITUDE		TIME (GMT)	DRY BULB °C	RH (%)	Pressure (mb)	WIND DIRN (deg)	WIND SPD. (kts)	BOTTOM DEPTH (m)	STA. NAME/ID	MAX DEPTH = 65 m				
	DEG	MIN	DEG	MIN									MO	HR	MIN		
007	56	51.74	N	164	04.28	W	02 MAY 18	0300	4.2	951018	20513	73					
SBE 9+	0291	Fluor/Turbidity	FLINTUS-2057														
PRESS SN	0291	SBE43-Oxy (prime)	1961														
Ph Temp SN	4379	SBE43-Oxy (sec)	0904														
Sec Temp SN	2376	Altimeter	4708														
Phl Cond SN	042985	PAR S/N	70547														
Sec Cond SN	043127																
WEATHER OBS:													Recorder Initials:				
REMARKS: Post-deployment calibration cast																	
Dr. Samples 254 & 262 on 008 cast																	
Instrument Notes:																	
Nis No.	Depth	Rosette Notes	Hydro Team-PMEL			Carbon Chemistry			Comments			Nis No.					
			Sal	Nut Blt	O2-BuNO	CO ₂	GFF Vol	UAF-CO ₂									
1	Bot	3	47	X252X								1					
2	55		48		X283							2					
3	52			X254								3					
4	44			50		X283						4					
5												5					
6	30						X285					6					
7	25						X289					7					
8	20						X283					8					
9	16						X279					9					
10	12						X283					10					
11												11					
12												12					
Niskin removed for PAR CTD 60657																	
Niskin removed for PAR																	
Inline																	

MESSEL NOAAS Oscar Dyson		CRUISE ID DY1805				PROJECT & LEG Eco-FOCI Spring Mooring Cruise				Bongo: N/A				STATION NO 7045 H1	
CONSC CAST #	Latitude	Longitude		TIME (GMT)		DRY BULB		RH		Pressure		Wind		Bottom Depth	
	Deg	Min	Deg	Min	Day	Mo	YR	Hr	Min	(%)	(mb)	Dirn.	(deg)	(m)	
010	56 51 . 50 N	165	07 . 07 W	02	MAY	1	8	00	04	3 . 2	98	10	15	14	74
SBE 9+	0291	Fluor/Turbidity				FLINTUS-2057				WEATHER OBS:				MAX DEPTH = 65 m	
PRESS SN	0291	SBE43-Oxy (prime)				1961									
Prn Temp SN	4379	SBE43-Oxy (sec)				0904									
Sec Temp SN	2376	Altimeter				4708									
Pri Cond SN	042985	PAR S/N				70547									
Sec Cond SN	043127														
REMARKS: RBR, 20m/m															
Instrument Notes: 0845															
Recorder initials:															
Nst	Depth	Rosette Notes	Hydro Team PMEL				Chloro				Carbon Chemistry				Nst
No	Desired		Salin.	Nut. BII	O2-BII No	GFF Vol				UAF-CO2				No	
1	130		4	63										1	
2	50			64		283								2	
3	10				65	285								3	
4	30				66	289								4	
5	Niskin removed for RDR CTD 60657														5
6	20			67		283								6	
7	10			68		279								7	
8	0			69		328								8	
9														9	
10														10	
11														11	
12														12	
Niskin removed for PAR															
Inline															

VESSEL NOAAS Oscar Dyson		CRUISE ID DY1805		PROJECT & LEG Eco-FOCI Spring Mooring Cruise				Bongo:				STATION NO S 13 H /				
CONSC CAST #	LATITUDE		LONGITUDE		TIME (GMT)		DRY BULB	RH	WIND		WIND SPD.	BOTTOM DEPTH		STA. NAME/D		
	DEG	MIN	DEG	MIN	DAY	MO	YR	MIN	(°C)	(%)	(mb)	(kts)	(m)			
014 57 19.465 N	166 00 .528 W	02 MAY 18	021	21	2.	8	2000	100	100	0	62	0	62	70m 9		
SBE 3+	0291	Fluor/Turbidity		FLINTUS-2057		WEATHER OBS:										MAX. DEPTH = 62 m
PRESS SN	0291	SBE43-Oxy (prime)		1961												
Prn Temp SN	4379	SBE43-Oxy (sec)		0904												
Sec Temp SN	2376	Altimeter		4708												
Pri Cond SN	043985	PAR S/N		70547												
Sec Cond SN	043127															
REMARKS:																
Instrument Notes:																
Recorder Initials:																
Nis No	Depth Desired	Rosette Notes		Hydro Team-PMEL		Chloro		Carbon Chemistry		Comments		Nis No				
1	20	Dont		Salin	Nut Br	O2-Btl No	GFF Vol	IAF-CO2				1				
2	50			91								2				
3	40			92								3				
4	30			93								4				
5				94								5				
6	20			95								6				
7	10			96								7				
8	0			97	239							8				
9												9				
10												10				
11												11				
12												12				
												1				

VESSEL	NOAAS Oscar Dyson	CRUISE ID		PROJECT & LEG		Bongo:		RZA		STATION NO.							
		DY1805		Eco-FOCI Spring Mooring Cruise													
CONSC CAST #	LATITUDE		LONGITUDE														
	DEG	MIN	DEG	MIN	DAY	MO	HR	MIN	TIME (GMT)	DRY BULB	RH	Pressure	WIND DIRN	WIND SPD.	BOTTOM DEPTH	STA. NAME/ID	
016	57	26.201	N	166.20	62	W	02	MAY	18	1949	3.1	100	1007	1231	16	69	70M11
SBE 9+	0291	Fluor/Turbidity		FLINTUS-2057		WEATHER OBS:										MAX DEPTH = 63 m	
PRESS SN	0291	SBE43-Oxy (ppme)		1961													
Prn Temp SN	4379	SBE43-Oxy (sec)		0904													
Sec Temp SN	2376	Altimeter		4708													
Pri Cond SN	042985	PAR SN		70547													
Sec Cond SN	043127																
REMARKS: Swallow east Niering 6 worth New depth No CTD																	
Instrument Notes:																	
Recorder Initials:																	
Nis No	Depth	Rosette Notes		Hydro Team-PMEL		Chloro		Carbon Chemistry		Comments		Nis No					
				Salt	Nut. RII	O2-BI, NO	GFF Vol		UAF-CO2								
1	Bottom			105											1		
2	50			104			283								2		
3	40			107			285								3		
4	30			108			289								4		
5	Niskin removed for RDR CTD 60657																5
6	20			109			283								6		
7	10			110			277								7		
8	0			6	111	266	280								8		
9															9		
10															10		
11															11		
12															12		
Niskin removed for PAR																	

VESSEL	CRUISE ID		PROJECT & LEG				Bongo		RZA		STATION NO		
NOAAS Oscar Dyson	DY1805		Eco-FOCI Spring Mooring Cruise								S 16 H 1		
CONSC CAST #	LATITUDE		LONGITUDE				TIME (GMT)	DRY BULB	RH	Pressure	WIND SPD.	BOTTOM DEPTH	
	DEG	MIN	DEG	MIN	DAY	MO	HR	MIN	(%)	(mb)	(kts)	(m)	
17	57	25.789 N	166	48.83 W	02	MAY	1	8	2125	3.5	100	3149	9
SBE 9+	0291	Fluor/Turbidity	FLINTUS-2057				WEATHER OBS:				MAX DEPTH = 65 m		
PRESS SN	0291	SBE43-Oxy (prime)					1961						
pH Temp SN	4379	SBE43-Oxy (sec)					0904						
Sec Temp SN	2376	Allimeter					4708						
Par Cond SN	042985	PAR S/N					70547						
Sec Cond SN	043127												
REMARKS: RBR - ON													
Instrument Notes:													
Recorder Initials:													
Nis	Depth	Rosette Notes	Hydro Team-PMEL			Chloro		Carbon Chemistry		Comments		Nis	
No	Desired		Salt	Nut Btl	O2-Btl No	GFF Vol		UAF-CO2				No	
1	BOT		112	359								1	
2	50		113			283						2	
3	40			114		285						3	
4	30			115		285						4	
5		Niskin removed for RDR CTD 60657										5	
6	20					283						6	
7	10					116						7	
8	0					117						8	
9						118						9	
10						279						10	
11						283						11	
12												12	
InLine													

VESSEL NOAAS Oscar Dyson	CRUISE ID DY1805		PROJECT & LEG						Bongo:						STATION NO. 20m 13	
			Eco-FOCI Spring Mooring Cruise						RZA							
			LATITUDE		LONGITUDE		TIME (GMT)		DRY BULB		WIND DIRN.		WIND SPD.			
DEG	MIN	DEG	MIN	DAY	MO	HR	MIN	(°C)	(%)	(mb)	(deg)	(Ns)	(m)	MAX DEPTH =	STA. NAME/ID	
01 25 23 1.27	N	167 02.45	W	02	MAY	18	2310	21.0	100	0.0	0.0	12510	69	69	m	
SBE 9+		0291		FLNTUS/Turbidity		FLNTUS-2057										
PRESS SN		0291		SBE43-Oxy (prime)		1961										
PN Temp SN		4379		SBE43-Oxy (sec)		0904										
Sec Temp SN		2376		Altimeter		4708										
PN Cond SN		042985		PAR		70547										
Sec Cond SN		043127		PAR S/N												
WEATHER OBS:																
REMARKS: RBR-SH																
Instrument Notes:																
Recorder Initials:																
Nis	Depth	Rosette Notes		Hydro Team-PMEI			Chloro			Carbon Chemistry			Comments			Nis
No	Desired	Salt	Nut. BN	O2-Btl. No	GFF Vol				UAF-CO2						No	
1	100			119											1	
2	50			120											2	
3	40			121											3	
4	30			122											4	
5		Niskin removed for RDR CTD 60657													5	
6	20				123										6	
7	10				124										7	
8	5				125	201									8	
9															9	
10															10	
11															11	
12															12	
Niskin removed for PAR																
InLine																

VESSEL NOAAS Oscar Dyson	CRUISE ID		PROJECT & LEG				Bongo				RZA		STATION NO.					
	DY1805		Eco-FOC Spring Mooring Cruise															
	CONSC CAST #		LATITUDE		LONGITUDE		TIME (GMT)		DRY BULB		WIND		WIND					
DEG		MIN	MIN	DEG	MIN	DAY	MO	HR	MIN	DIRN.	SPD	DIRN.	SPD	BOTTOM DEPTH				
020	57	30	.19	N	167	39.	88	w	03	MAY	18	0219	3.2	100	998	192	5	71
SBE 9+		0291		Fluor/Turbidity		FLNTUS-2057												MAX DEPTH = 65 m
PRESS SN		0291		SBE43-Oxy (prime)		1961												
Pn Temp SN		4379		SBE43-Oxy (sec)		0904												
Sec Temp SN		2376		Altimeter		4708												
Pn Cond SN		042985		PAR S/N		70547												
Sec Cond SN		043127																
WEATHER OBS:																		
REMARKS:																		
Instrument Notes:																		
Recorder Initials:																		
Nis	Depth	Rosette Notes		Hydro Team-PMEI				Chloro		Carbon Chemistry		Comments		Nis				
No.	Desired			Salt	Nut	O2-Btl.	No.	GFF Vol	UAF-CO2					No.				
1	<u>Not</u>			122										1				
2	<u>53</u>			124										2				
3	<u>40</u>			125										3				
4	<u>30</u>			126										4				
5															5			
6	<u>20</u>			127											6			
7	<u>10</u>			128											7			
8	<u>0</u>			129	<u>360</u>										8			
9															9			
10															10			
11															11			
12															12			
Niskin removed for PAR																		
In-line																		

VESSEL		CRUISE ID		PROJECT & LEG				Eco-FOCI Spring Mooring Cruise				Bongo				STATION NO			
NOAAS Oscar Dyson		DY1805														RZA		S 20 H 1	
CONSC CAST #	LATITUDE		LONGITUDE		TIME (GMT)		DRY BULB		RH		WIND DIRN		WIND SPD		BOTTOM DEPTH				
	DEG	MIN	DEG	MIN	DAY	MO	YR	MIN	(°C)	(%)	(mb)	(deg)	(kts)	(m)					
021	57 30.1	8 N	167 59.4	8 W	03	MA Y	18	0331	3	41	00	998169	41	71	MAX DEPTH = 100 m				
SBE 9+	0291		Fluor/Turbidity	FLINTUS-2057	WEATHER OBS:														
PRESS SN	0291		SBE43-Oxy (prime)	1961															
Fn Temp SN	4379		SBE43-Oxy (sec)	0904															
Sec Temp SN	2376		Altimeter	4708															
Phi Cond SN	042985		PAR SN	70547															
Sec Cond SN	043127																		
REMARKS: Steepian/EKE Samples																			
Instrument Notes:																			
Recorder Initials:																			
Nis	Depth	Rosette Notes		Hydro Team-PMEL				Chloro				Carbon Chemistry				Comments			
No	Desired			Sail	Nut.Btl	O2-Btl No	GFF Vol					UAF-CO2							
1	Bot			140	364												1		
2	SD			141													2		
3	40			142													3		
4	30			143													4		
5	Niskin removed for RDR CTD 60657																	5	
6	20				144												6		
7	10				145												7		
8	0				146												8		
9																	9		
10																	10		
11																	11		
12																	12		
																	1		

VESSEL	CRUISE ID	PROJECT & LEG						Bongo	RZA	STATION NO					
		Eco-FOCI Spring Mooring Cruise													
NOAAS Oscar Dyson	DY1805	LATITUDE			LONGITUDE			TIME (GMT)	DRY BULB	RH	Pressure	WIND DIRN	WIND SPD.	BOTTOM DEPTH	
CONSC CAST #		DEG	MIN	DEG	MIN	DAY	MO	HR	(°C)	(%)	(mb)	(deg)	(ks)	(m)	
25	57 39 . 19 N	169 01 . 05 W	03 M A Y 1 8	/ 104	2.3	100	995	10	4	69				MAX DEPTH = 61 m	
SBE 9+	0291	FLINTUS-2057						WEATHER OBS:							
PRESS SN	0291	SBE43-Oxy (prime)						1961							
Pn Temp SN	4379	SBE43-Oxy (sec)						0904							
Sec Temp SN	2376	Altimeter						4708							
Pri Cond SN	042985	PAR SN						70547							
Sec Cond SN	043127														
REMARKS: Stephan / ELLZ Samples															
Instrument Notes:															
Recorder Initials:															
Ns No	Depth	Rosette Notes	Hydro Team-PMEI			Chloro			Carbon Chemistry			Comments			Ns No
No	Desired		Salt	Nut BN	O2-BII No	GFF Vol			GFF Vol						
1	Be		168	368										1	
2	50		169											2	
3	40		170											3	
4	30		171											4	
5														5	
6														6	
7														7	
8														8	
9														9	
10														10	
11														11	
12														12	
Niskin removed for PAR															
Niskin removed for PAR															
inline															

VESSEL	CRUISE ID	PROJECT & LEG		Eco-FOCI Spring Mooring Cruise				Bongo				RZA		STATION NO		
		NOAAS Oscar Dyson		DY1805										S 26 H /		70M4 N STA. NAME/ID
CONSC CAST #	LATITUDE		LONGITUDE		TIME (GMT)		DRY BULB	RH	PRESSURE		WIND DIRNN.	WIND SPD.	BOTTOM DEPTH (m)			
	DEG	MIN	DEG	MIN	DAY	MO	HR	MIN	(mb)	(deg)	(kts)	(m)	MAX DEPTH = 61 m			
22	56	04.122	N	168	43.56	W	03	MAY	18	/ 852	1.3	100	993	2325	70	
SBE 9*	0291			Fluor/Turbidity	FLINTUS-2057		WEATHER OBS:									
PRESS SN	0291			SBE43-Oxy (ppme)	1961											
Op Temp SN	4379			SBE43-Oxy (sec)	0904											
Sec Temp SN	2376			Altimeter	4708		REMARKS:									
Ph Cond SN	042985			PAR S/N	70547											
Sec Cond SN	043127															
Instrument Notes:																
No	Depth	Rosette Notes		Hydro Team PNEL		Chloro		Carbon Chemistry				Comments		Recorder Initials:		
No	Desired			Salt	Nut Btl	O2-Btl No	GFF Vol	UAF-CO2								
1	Bottom			9	132	303										
2	50				183		283									
3	40				184		285									
4	30				185		299									
5																
6	20				156		283									
7	10				187		279									
8	0					108		282								
9																
10																
11																
12																

/

Niskin removed for PAR CTD 60657

Niskin removed for PAR

In-line

VESSEL		CRUISE ID		PROJECT & LEG		Eco-FOCI Spring Mooring Cruise		Bongo		RZa		STATION NO				
NOAAS Oscar Dyson		DY1805														
CONSC CAST #		LATITUDE		LONGITUDE		DAY	MO	YR	TIME (GMT)	DRY BULB	RH	Pressure	WIND DIRN.	WIND SPD. (kts)	BOTTOM DEPTH (m)	STA. NAME/ID
		DEG	MIN	DEG	MIN				(C)	(%)	(mb)	(deg)				
29	52 55 .51 N	169	19.72 W	00	MAY	18	2203	1.01000	597	20	30	66	MAX DEPTH =	40 m	70M460	
SBE 9+	0291	Fluor/Turbidity	FLNTUS-2057													
PRESS SN	0291	SBE43-Oxy (prime)	1961													
In Temp SN	4379	SBE43-Oxy (sec)	0904													
Sec Temp SN	2376	Altimeter	4708													
Inr Cond SN	042985	PAR SN	70547													
Sec Cond SN	043127															
WEATHER OBS:																
REMARKS:																
Instrument Notes:																
Recorder Initials:																
NIS	Depth	Rosette Notes		Hydro Team/PMEI				Chloro		Carbon Chemistry				Comments		NIS
No	Desired			Salt	Nut Blt	O2-Btl No	GFF Vol		UAF-CO2						No	
1	20			189			283								1	
2	50			190											2	
3	40			191			285								3	
4	30			192			289								4	
5															5	
6	20			193			283								6	
7	10			194			279								7	
8	5m			195	300		283								8	
9															9	
10															10	
11															11	
12															12	
															1	

Instrument Notes:

REMARKS:

Niskin removed for RDR CTD 60657

Inline

No Station 28

VESSEL		CRUISE ID		PROJECT & LEG		Eco-FOCI Spring Mooring Cruise		Bongo:		RZA		STATION NO	
NOAAS Oscar Dyson		DY1805										S 29	H 1
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	(deg)	(kts)	(m)		
29	N											MT 3A	
SBE 9+	0291	Fluor/Turbidity		FLINTUS-2057								MAX DEPTH = m	
PRESS SN	0291	SBE43-Oxy (prime)		1961									
Ph Temp SN	4379	SBE43-Oxy (sec)		0904									
Sec Temp SN	2376	Altimeter		4708									
Ph Cond SN	042985	PAR S/N		70547									
Sec Cond SN	043127												
Instrument Notes:													
REMARKS: MT 3A Cn East													
WEATHER OBS:													
Recorder Initials:													
Nis	Depth	Rosette Notes		Hydro Team-PMEL		Carbon Chemistry		Comments		Comments		Nis	
No	Desired	Sal	Nut	O2-Btl No	GFF Val	UAF-CO2						No	
1	1055	195	338	283								1	
2	30	192		285								2	
3	20	198		289								3	
4	10	199		283								4	
5												5	
6												6	
7												7	
8												8	
9												9	
10												10	
11												11	
12												12	
												1	
Niskin removed for PAR													
Inline													

VESSEL	CRUISE ID	PROJECT & LEG		Eco-FOCI Spring Mooring Cruise							Bongo			RZA			STATION NO			
		NOAAS Oscar Dyson		DY1805		LATITUDE			LONGITUDE			TIME (GMT)			DRY BULB	RH	Pressure	WIND DIRN.	WIND SPD.	BOTTOM DEPTH
CONSC CAST #	DEPTH	MIN	DEG	MIN	DAY	MO	YR	HR	MIN	(°C)	(%)	(mb)	(kts)	(m)	(m)					
36 61 33.477 N	173 42.31 W	6 6 MAY 18	1552-24	771007	100712	73										70M 52				
SBE 9+	0291		Fluor/Turbidity	FLINTUS-2057													MAX DEPTH = 65 m			
PRESS SN	0291		SBE43-Oxy (pmme)	1961																
Temp SN	4379		SBE43-Oxy (sec)	0904																
Sec Temp SN	2376		Altimeter	4708																
Par SN	042985		PAR S/N	70547																
Sec Cond SN	043127																			
WEATHER OBS:																				
REMARKS: Zinc on Seno - boat - last - east																				
Sec. tech out for next cast																				
Instrument Notes:																				
Recorder Initials:																				
Nis	Depth	Rosette Notes		Hydro Team-PMEI			Chloro			Carbon Chemistry			Comments			Nis				
No	Desired			Salt	Nut Blt	O2-Btl No	GFF Vol		UAF-CO2								No			
1	134			243	241											1				
2	57			244			233									2				
3	40			245			285									3				
4	30			246			289									4				
5																5				
6	20						257									6				
7	20						247									7				
8	10						278									8				
9	0						249									9				
10																10				
11																11				
12																12				
																1				

Niskin removed for PAR

inline

VESSEL		CRUISE ID		PROJECT & LEG				Eco-FOCI Spring Mooring Cruise				Bongo				STATION NO							
NOAAS Oscar Dyson		DY1805														RZA		S		H			
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)	(mb)	(deg)	(kts)	(m)	(m)						
37	61 14.91	N	173 44.57	W	06 MAY 18	1020	-1.5	79	1008	15413	75								75	MAX DEPTH = 67 m			
SBE 9+	0291		Fluor/Turbidity	FLINTUS-2057																			
PRESS SN	0291		SBE43-Oxy (ppme)	1961																			
PN Temp SN	4379		SBE43-Oxy (sec)	0004	1874																		
Sec Temp SN	2376		Allumeier	4708																			
PN Cond SN	042985		PAR S/N	70547																			
Sec Cond SN	043127																						
								WEATHER OBS:															
								</															

VESSEL		CRUISE ID		PROJECT & LEG				Eco-FOCI Spring Mooring Cruise				Bongo				RZA				STATION NO			
NOAAS Oscar Dyson		DY1805																		S		H	
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)	(deg)	(kts)	(m)	(m)							
38	60	54.311	N	123	49.69	W	06	MAY	18	21	02	-5.5	34	1009	125	14	81						
SBE 9+	0291	Fluor/Turbidity	FLINTUS-2057																				
PRESS SN	0291	SBE43-Oxy (phme)	1961																				
Pin Temp SN	4379	SBE43-Oxy (sec)	0605P / 0226																				
Sec Temp SN	2376	Altimeter	4708																				
Pin Cond SN	042985	PAR S/N	70547																				
Sec Cond SN	043127																						
Instrument Notes:																							

VESSEL	CRUISE ID	PROJECT & LEG		Eco-FOCI Spring Mooring Cruise							Bongo			RZA			STATION NO		
				LATITUDE			LONGITUDE			TIME (GMT)		DRY BULB	RH	Pressure	WIND DIRN.	WIND SPD.	BOTTOM DEPTH	STA NAME/ID	
CONSC CAST #		DEG	MIN	DEG	MIN	DAY	MO	YR	HR	MIN	(°C)	(%)	(mb)	(deg)	(kts)	(m)			
NOAAS Oscar Dyson	DY1805	40	16	14	91	N	173	22	.00	W	0255	0.9	62	1009	96	18	70M44		
SBE 8+		0291		Fluor/Turbidity			FLINTUS-2057										MAX DEPTH =	61 m	
PRESS SN		0291		SBE43-Oxy (prime)			1961												
Fn Temp SN		4379		SBE43-Oxy (sec)			0004												
Sec Temp SN		2376		Altimeter			1876												
Ph Cond SN		042985		PAR SIN			4708												
Sac Cond SN		043127					70547												
WEATHER OBS:																			
REMARKS: 18 MAR-29 post-deployment + 70M44/ RBR on -Cast#0																			
Instrument Notes:																			
Nis No.	Depth	Rosette Notes		Hydro Team-PMEI			Chloro			Carbon Chemistry			Comments			Recorder Initials:			
No.	Desired			Salt	Nut BII	O2-BII No	GFF Vol			UAF-CO2								Nis No.	
1	Bottom			13	271	144												1	
2	50				272					-283								2	
3	40					273				-285								3	
4	20					274				-289								4	
5																		5	
6	20					275				-283								6	
7	10					276				-279								7	
8	0					277				-283								8	
9																		9	
10																		10	
11																		11	
12																		12	
																		1	

Instrument Notes:

1	Bottom	13	271	144														
2	50		272							-283								2
3	40			273						-285								3
4	20			274						-289								4
5																		5
6	20			275						-283								6
7	10			276						-279								7
8	0			277						-283								8
9																		9
10																		10
11																		11
12																		12
																		1

Niskin removed for RDR CTD 60657

Niskin removed for PAR

inline

VESSEL		CRUISE ID		PROJECT & LEG							STATION NO.			
NOAAS Oscar Dyson		DY1805		Eco-FOCI Spring Mooring Cruise							Bongo			
CONSC CAST #	LATITUDE		LONGITUDE		TIME (GMT)			DRY BULB	RH	WIND DIRN.	WIND SPD.	BOTTOM DEPTH (m)	STA. NAME/ID	
	DEG	MIN	DEG	MIN	DAY	MO	YR	HR	MIN	(°C)	(%)	(mb)	(kts)	
43	39	54	90	N	17	43.	46	W	07	MAY	1	8	99.9	7526
SBE 9+	0291		Fluor/Turbidity		FLINTUS-2057			WEATHER OBS:				MAX DEPTH = 59 m		
PRESS SN	0291		SBE43-Oxy (ppme)		1961									
In Temp SN	4379		SBE43-Oxy (sec)		0004 / 826									
Sec Temp SN	2376		Altimeter		4708									
Ph Cond SN	042985		PAR SIN		70547									
Sec Cond SN	043127													
Instrument Notes:														
Recorder Initials:														
Nis	Depth	Rosette Notes		Hydro Team-PMEL			Chloro			Carbon Chemistry			Comments	
No	Desired	Sail	Nut Blt	O2-Blt	No	GFF Vol		UAF-CO2				No	No	
1	<i>Bat</i>		292	*242		283						1		
2	50		293			285						2		
3	40		294			285						3		
4	30		295			289						4		
5												5		
6	20		296			283						6		
7	10		297			079						7		
8	0		*14	298		283						8		
9												9		
10												10		
11												11		
12												12		
													1	

Niskin removed for RDR CTD 60657

Niskin removed for PAR

In-line

VESSEL		CRUISE ID		PROJECT & LEG							Bongo:		RZA		STATION NO		
NOAAS Oscar Dyson		DY1805		Eco-FOCI Spring Mooring Cruise													
CONSC CAST #		LATITUDE		LONGITUDE		MIN	DAY	MO	YR	TIME (GMT)	DRY BULB	RH	Pressure	WIND DIRN	WIND SPD. (kts)	BOTTOM DEPTH (m)	STA. NAME/ID
45	54 56 . 21 N	16 45 09 W	39	09	MAY	1	8	11	5	4	10	0	993	167	23	92 U	
SBE 9+		0291	Fluor/Turbidity		FLINTUS-2057												MAX DEPTH = 84 m
PRESS SN		0291	SBE43-Dry (prime)		1961												
Pn Temp SN		4379	SBE43-Dry (sec)		8904 / 826												
Sec Temp SN		2376	Altimeter		4708												
Pn Cond SN		042985	PAR S/N		70547												
Sec Cond SN		043127															
WEATHER OBS:																	
REMARKS: #2 Niskin dig not close #8 Niskin Broken																	
Recorder Initials:																	
Instrument Notes:																	
Nis No	Depth	Rosette Notes	Hydro Team-PMEL			Chlora		Carbon Chemistry		Comments							
No	Desired		Salt	Nut Btl	O2 Btl No	GFF Vol		UAF-CO2									
1	134		307	308												1	
2	75		309	309		283										2	
3	50		310	310		285										3	
4	40															4	
5																5	
6	30		311			289										6	
7	20		312			283										7	
8	10		313			279										8	
9	0		314			283										9	
10																10	
11																11	
12																12	
																1	
Niskin removed for PAR																	
Inline																	

VESSEL	CRUISE ID		PROJECT & LEG		STATION NO												
	NOAAS Oscar Dyson		DY1805		Eco-FOCI Spring Mooring Cruise		Bongo										
CONSC CAST #	LATITUDE		LONGITUDE				RZA	S	H								
	DEG	MIN	DEG	MIN	DAY	MO	YR	HR	MIN	TIME (GMT)	DRY BULB	RH	Pressure	WIND DIRN.	WIND SPD.	BOTTOM DEPTH	STA. NAME/ID
49	54	25.288	N	65.085	56	W	09	MAY	18	/ 25.6	4.4	80	993	162	132	4BS2	
SBE 9+		0291														MAX DEPTH = / 27 m	
PRESS SN		0291															
Spn Temp SN		4379															
Sec Temp SN		2376															
Spn Cond SN		042985															
Sec Cond SN		043127															
WEATHER OBS:										REMARKS: RBD 042							
FLNTUS-2057										FLNTUS-2057							
SBE43-Oxy (ppme)										1961							
SBE43-Oxy (sec)										0904 / 076							
Attimeter										4708							
PAR SIN										70547							
Sec Cond SIN																	
Instrument Notes:										Recorder Initials:							
No	Depth	Rosette Notes		Hydro Team-PMEL		Carbon Chemistry		Comments		No							
No	Desired	Sail	Nut. Blt	O2-Btl No	GFF Vol	UAF-CO2				No							
1	BOTT	17	332	364						1							
2	100		333							2							
3	25		334							3							
4	50		325		202					4							
5										5							
6	40		316		285					6							
7	30		322		289					7							
8	20		328		283					8							
9	10		339		279					9							
10	0		340		283					10							
11										11							
12										12							
Niskin removed for RDR CTD 60657										In-line							
Niskin removed for PAR																	

VESSEL		CRUISE ID		PROJECT & LEG				Eco-FOCI Spring Mooring Cruise				Bongo:				STATION NO			
NOAAS Oscar Dyson		DY1805																	
CONSC CAST #		LATITUDE		LONGITUDE				TIME (GMT)		DRY BULB		RH				WIND DIRN	WIND SPD	BOTTOM DEPTH	STA. NAME/ID
		DEG	MIN	DEG	MIN	DAY	MO	YR	HR	MIN	°C	(%)	(mb)	(deg)	(kts)	(m)			
51	54 20 . 38 N	16	52 5 . 53 W	09	MAY	1	8	22	20	4 . 4	82	99	2140	20	161	MAX DEPTH = 153 m	UBS4		
SBE 9+		0291		Fluor/Turbidity		FLINTUS-2057													
PRESS SN		0291		SBE43-Oxy (prime)		1961													
Prn Temp SN		4379		SBE43-Oxy (sec)		0984 / 876													
Sec Temp SN		2376		Altimeter		4708													
Prn Cond SN		042985		PAR S/N		70547													
Sec Cond SN		043127																	
WEATHER OBS:																			
REMARKS: PBR																			
Recorder Initials:																			
Instrument Notes:																			
Nis No	Depth Desired	Rosette Notes		Hydro Team-PMEL				Chloro		Carbon Chemistry				Comments					
		Salt	Nut BII	O2-BII No	GFF Vol		UAF-CO2												
1	30T			350	266												5		
2	125			351													6		
3	100			352													7		
4	75			353													8		
5		Niskin removed for RDR CTD 60667																	
6	50			354													9		
7	40			355													10		
8	30			356													11		
9	20			357													12		
10	10			358													1		
11	0			359															
12		Niskin removed for PAR																	
		Inline																	

VESSEL	NOAAS Oscar Dyson	CRUISE ID		PROJECT & LEG		Eco-FOCI Spring Mooring Cruise		Bongo:		RZA		STATION NO			
		CONSC CAST #	LATITUDE	LONGITUDE	TIME (GMT)	DRY BULB	RH	Pressure	WIND DIRN.	WIND SPD	BOTTOM DEPTH	(m)	STA. NAME/ID		
	DEG	MIN	DEG	MIN	DAY	MO	HR	MIN	(°C)	(mb)	(deg)	(kts)			
52	54	21	77	N	165	S55	.75	W	/ 0 MAY 1 8	0 / 59	4 . 4	74	990	/ 4019	. 477
SBE 9+	0291		Fluor/Turbidity		FLNTUS-2057										MAX DEPTH = 953 m
PRESS SN	0291		SBE43-Oxy (prime)		1961										
Prn Temp SN	4379		SBE43-Oxy (sec)		0904-1826										
Sec Temp SN	2376		Allimeter		4708										
Prn Cond SN	042985		PAR S/N		70547										
Sec Cond SN	043127														
WEATHER OBS:														Recorder Initials: b13.2	
REMARKS: RBR on 30m/min @ 90m upcast -je/j?															
Primary O2 went flat@ 80m															
Instrument Notes:															
Nis	Depth	Rosette Notes	Hydro Team-PMEL			Chloro	Carbon Chemistry						Nis		
No	Desired		Salt	Nut BII	O2-BIINo	GFF Vol	UAF-CO ₂						No		
1	Boff	19	363	367									1		
2	260		361	365									2		
3	157		362	362									3		
4	160		362	362									4		
5													5		
6	30		364	364	364	283							6		
7	40		365	365	365	285							7		
8	30		366	366	366	287							8		
9	20		367	367	367	283							9		
10	10		368	368	368	279							10		
11	0		369	369	369	263							11		
12													12		
Niskin removed for RDR CTD 60657														Instrument Notes:	
Niskin removed for PAR														Instrument Notes:	
In-line														Instrument Notes:	

A handwritten signature in black ink, appearing to read "James C. Clegg".

