

VESSEL			CRUISE ID			PROJECT & LEG			STATION NO.								
NOAAS Oscar Dyson			DY1905			Eco-FOCI Spring Larval Cruise (GA)			Bongo: 001								
									<div style="text-align: center;">S</div> <div style="text-align: center;">H</div>								
CONSC CAST #	DEG	MIN	LATITUDE	DEG	MIN	LONGITUDE	DAY	MO	YR	TIME (GMT) HR MIN	DRY BULB (°C)	RH (%)	PRESSURE (mb)	WIND DIRN. (deg)	WIND SPD (kts)	BOTTOM DEPTH (m)	STA. NAME/ID
0015417.32 N			16415.15 W				06	MAY	19	0954						73	GFI05
WEATHER OBS:																	
SBE 9+				Fluor/Turbidity			2057										
PRESS SN	0772			SBE43-Oxy (prime)			1961										
Pn Temp SN	4379			SBE43-Oxy (sec)			3200										
Sec Temp SN	2376			Altimeter			47408										
Pn Cond SN	042985			PAR SN			70547										
Sec Cond SN	43127																
REMARKS: <i>Fast Cat Calibration CTD offset on oxygen sensors by 20</i>																	
Recorder Initials:																	

Depth		Rosette Notes		Hydro Team-PMEL			Chloro		Carbon Chemistry		Comments		Nis	No
Desired				Salt	Nut Blt	O2-Blt No	GFF Vol							
1	63			185									1	
2													2	
3													3	
4													4	
5													5	
6													6	
7													7	
8													8	
9													9	
10													10	
11													11	
12													12	
													Inline	

VESSEL		CRUISE ID		PROJECT & LEG		STATION NO.	
NOAAS Oscar Dyson		DY1905		Eco-FOCI Spring Larval Cruise (GA)		Bongo: 023 RZA	
CONSC CAST #		LATITUDE		LONGITUDE		WIND	
DEG MIN		DEG MIN		DEG MIN		DIRN. (deg)	
DEG MIN		DEG MIN		DEG MIN		SPD. (kts)	
TIME (GMT)		DRY BULB		RH		Pressure	
HR MIN		°C		%		(mb)	
1708						101217214	
WEATHER OBS:		MAX DEPTH = 830 m					
SBE 9+		Fluor/Turbidity		2057			
PRESS SN		SBE43-Oxy (prime)		1961			
Pri Temp SN		SBE43-Oxy (sec)		3200			
Sec Temp SN		Altimeter		47408			
Pri Cond SN		PAR SN		70547			
Sec Cond SN							
REMARKS:							
Recorder Initials:							
Instrument Notes:							
Depth		Rosette Notes		Hydro Team-PMEL		Chloro	
Desired		Salt		Nut Btl		GFF Vol	
No		O2-Btl No					
1							
2							
3							
4							
5							
6							
7							
8							
9							
10							
11							
12							
1							
Comments							
No							
1							
2							
3							
4							
3							
4							
7							
8							
9							
10							
11							
12							
1							
Inline							

[illegible]

[illegible]

VESSEL		CRUISE ID		PROJECT & LEG		STATION NO.	
NOAAS Oscar Dyson		DY1905		Eco-FOCI Spring Larval Cruise (GA)		Bongo: RZA	
LATITUDE		LONGITUDE		TIME (GMT)		WIND DIRN (deg)	
DEG	MIN	DEG	MIN	HR	MIN	WIND SPD (kts)	WIND DIRN (deg)
0055526.45 N		15807.09 W		11 MAY 190814		100723320	
CONSC CAST #		BOTTOM DEPTH (m)		Pressure (mb)		STA. NAME/ID	
0055526.45 N		12562143		100723320		12562143	
SBE 9+		Fluor/Turbidity		WEATHER OBS:		MAX DEPTH = 113 m	
PRESS SN		SBE43-Oxy (prime)		2057			
Pri Temp SN		SBE43-Oxy (sec)		1961			
Sec Temp SN		Allimeter		3200			
Pri Cond SN		PAR SN		47408			
Sec Cond SN				70547			
REMARKS: CTD only - no bottles							
Recorder Initials:							
Instrument Notes:							
N/a		Rosette Notes		Chloro		Carbon Chemistry	
No		Salt		Nut 8ti		GFF Vol	
1							
2							
3							
4							
5							
6							
7							
8							
9							
10							
11							
12							
1		inline					

VESSEL		CRUISE ID		PROJECT & LEG		STATION NO.		
NOAAS Oscar Dyson		DY1905		Eco-FOCI Spring Larval Cruise (GA)		Bongo: RZA s 53 H 1		
CONSC CAST #	LATITUDE		LONGITUDE		TIME (GMT)		BOTTOM DEPTH	STA NAME/ID
	DEG	MIN	DEG	MIN	HR	MIN	(m)	
006	55	12.66	N	157	40.61	W	1122	84HD143
WEATHER OBS:								
SBE 9+	Fluor/Turbidity		DAY		MO		YR	
PRESS SN	0772		2057					
Pn Temp SN	4379		1961					
Sec Temp SN	2376		3200					
Pn Cond SN	042985		47408					
Sec Cond SN	43127		70547					
REMARKS:								
Instrument Notes:								
Recorder Initials:								

No	Depth	Rosette Notes	Hydro Team-PMEL			Chloro	Carbon Chemistry		Comments	No
			Salt	Nut Btl	O2-Btl No					
1	74		188	361						1
2	50			362						2
3	40			363						3
4	30			364						4
5	20			365						5
6	10			366						6
7	0		189	367						7
8										8
9										9
10										10
11										11
12										12
Inline										1

[illegible]

VESSEL		CRUISE ID		PROJECT & LEG		STATION NO.	
NOAAS Oscar Dyson		DY1905		Eco-FOCI Spring Larval Cruise (GA)		Bongo: RZA	
CONSC CAST #	LATITUDE	DEG	MIN	DEG	MIN	DAY	MO
0085458.57 _N	15713.57 _W	11	57	11	57	19	19
	LONGITUDE	DEG	MIN	DEG	MIN	DAY	MO
	15713.57 _W	11	57	11	57	19	19
	TIME (GMT)	HR	MIN	SEC	TIME (GMT)	HR	MIN
	1454	14	54		1454	14	54
	DRY BULB	°C	°F	DRY BULB	°C	°F	°F
	20.1	68.2	152.4	20.1	68.2	152.4	152.4
	RH	(%)	WIND DIRN	(deg)	WIND SPD	(kts)	WIND DIRN
	073	73	204	204	18	18	18
	Pressure	(mb)	Pressure	(mb)	Pressure	(mb)	Pressure
	1011	1011	1011	1011	1011	1011	1011
	BOTTOM DEPTH	(m)	BOTTOM DEPTH	(m)	BOTTOM DEPTH	(m)	BOTTOM DEPTH
	296	296	296	296	296	296	296
	STA NAME/ID	296HH143					
	MAX DEPTH =	285 m					
WEATHER OBS:							
REMARKS:							
Instrument Notes:							
Recorder Initials:							
Nis	Depth	Rosette Notes	Salt	Nut.Btl	O2-Btl	Chloro	GFF Vol
No	Desired						
1	285		184	368			
2	100			369			
3	75			370			
4	50			371			
5	40			372			
6	30			373			
7	20			374			
8	10			375			
9	0		190	376			
10							
11							
12							
1							

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VESSEL		CRUISE ID		PROJECT & LEG		STATION NO.																																																																																																																																																																																						
NOAAS Oscar Dyson		DY1905		Eco-FOCI Spring Larval Cruise (GA)		Bongo: RZA S 119 H 1																																																																																																																																																																																						
CONSC CAST #	LATITUDE		LONGITUDE		TIME (GMT)		BOTTOM DEPTH	STA. NAME/ID																																																																																																																																																																																				
	DEG	MIN	DEG	MIN	HR	MIN	(m)																																																																																																																																																																																					
0125624.57N		15603.54W		2057	1247		245	HB161																																																																																																																																																																																				
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REMARKS:																																																																																																																																																																																												
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Rosette Notes		Hydro Team-PMEL		Chloro		Carbon Chemistry		Comments		Nis																																																																																																																																																																																		
Depth	Desired	Salt	Nut Btl	O2-Btl No	GFF Vol					No	No																																																																																																																																																																																	
1										1																																																																																																																																																																																		
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VESSEL		CRUISE ID		PROJECT & LEG		STATION NO.								
NOAAS Oscar Dyson		DY1905		Eco-FOCI Spring Larval Cruise (GA)		Bongo: 120 S 120 H 1								
CONC CAST #	DEG	MIN	LATITUDE	DEG	MIN	LONGITUDE	TIME (GMT)	DRY BULB (°C)	RH (%)	Pressure (mb)	WIND DIRN. (deg)	WIND SPD. (kts)	BOTTOM DEPTH (m)	STA. NAME/ID
01356	31.76	N	156	17.11	W	15 MAY 19	1428		066	1011	30208	229	GZ161	
WEATHER OBS:														
REMARKS:														
Instrument Notes:														
Recorder Initials:														

VESSEL		CRUISE ID		PROJECT & LEG		STATION NO.	
NOAA Oscar Dyson		DY1905		Eco-FOCI Spring Larval Cruise (GA)		Bongo: RZA S 122 H 1	
CONSC CAST #	DEG	MIN	LATITUDE		DEG	MIN	LONGITUDE
015	56	45.54	N 156		43.03	W	15
SBE 9+		Fluor/Turbidity		2057		WEATHER OBS:	
PRESS SN	0772	SBE43-Oxy (prime)		1961		REMARKS:	
Pn Temp SN	4379	SBE43-Oxy (sec)		3200			
Sec Temp SN	2376	Altimeter		47408			
Pn Cond SN	042985	PAR SN		70547			
Sec Cond SN	43127						
TIME (GMT)		HR	MIN	DRY BULB		RH	Pressure
1803		18	03	1010		049	1010
WIND DIRN		(deg)	WIND SPD	(kts)	BOTTOM DEPTH		
029		029	04	04	152		
STA NAME/ID		GV161					
MAX DEPTH =		141 m					
Recorder Initials:							
NIS	Depth	Rosette Notes	Salt	Nut Btl	O2-Btl No	Chloro	Carbon Chemistry
No	Desired					GFF Vol	Comments
1	Bottom			394			
2	100			395			
3	75			396			
4	50			397			
5	40			398			
6	30			399			
7	20			400			
8	10			401			
9	0			402			
10							
11							
12							
Instrument Notes:							
Inline							

VESSEL		CRUISE ID		PROJECT & LEG		STATION NO.	
NOAAS Oscar Dyson		DY1905		Eco-FOCI Spring Larval Cruise (GA)		S 158 H 1	
CONSC CAST #		LATITUDE		LONGITUDE		Bongo:	
		DEG MIN		DEG MIN		RZA	
016 57 31.02 N		154 47.52 W		17 MAY 19		205 FOX56	
SBE 9+		Fluor/Turbidity		2057		MAX DEPTH = 196 m	
PRESS SN		0772		1961			
Pr Temp SN		4379		3200			
Sec Temp SN		2376		47408			
Pr Cond SN		042985		70547			
Sec Cond SN		43127					
Instrument Notes:							
REMARKS:							
BOTTLE FOR 100 M DEPTH BROKE. EVENT							
CTD016B IS FOR 100M DEPTH SAMPLE							
ONLY. I.E. SECOND CAST FOR 100M							
DEPTH SAMPLE.							
Recorder Initials:							
Nis		Comments					
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		1					

VESSEL		CRUISE ID		PROJECT & LEG		STATION NO.	
NOAAS Oscar Dyson		DY1905		Eco-FOCI Spring Larval Cruise (GA)		Bongo: RZA S 159 H 1	
CONSC CAST #	LATITUDE	DEG	MIN	DEG	MIN	LONGITUDE	MIN
017	075733.2	N	15452.5	W	17	MAY 19	2009
TIME (GMT) DRY BULB RH Pressure WIND DIRN. WIND SPD. BOTTOM DEPTH STA. NAME/ID (hr min) (°C) (%) (mb) (deg) (kts) (m)							
WEATHER OBS: 2057 SBE 9+ Fluor/Turbidity 2057 PRESS SN 0772 SBE43-Oxy (prime) 1961 Pn Temp SN 4379 SBE43-Oxy (sec) 3200 Sec Temp SN 2376 Altimeter 47408 Pn Cond SN 042985 PAR SN 70547 Sec Cond SN 43127							
REMARKS: S1 159 Fail-Redo after 20/60 BONG							
Recorder Initials:							
Nis	Depth	Rosette Notes	Salt	Hydro Team-PMEL	Chloro	Carbon Chemistry	Comments
No	Desired			Nut Blt O2-Blt No	GFF Vol		No
1	215			413			1
2	200			414			2
3	150			415			3
4	100			416			4
5	75			417			3
6	50			418	281		4
7	40			419	282		7
8	30			420	285		8
9	20			421	281		9
10	10			422	283		10
11	0			423	283		11
12							12
Inline							1

VESSEL		CRUISE ID		PROJECT & LEG		STATION NO										
NOAAS Oscar Dyson		DY1905		Eco-FOCI Spring Larval Cruise (GA)		Bongo: RZA S 180 H 1										
CONSC CAST #	DEG	MIN	LATITUDE	DEG	MIN	DAY	MO	YR	TIME (GMT)	DRY BULB (°C)	RH (%)	Pressure (mb)	WIND DIRN. (deg)	WIND SPD. (kts)	BOTTOM DEPTH (m)	STA. NAME/ID
5736.25	N	18560	43W	17	MAY	19	22	39	238	238	238	238	238	238	238	FOX967
WEATHER OBS:																
REMARKS: ST 1608																
Instrument Notes:																
Recorder Initials:																

VESSEL		CRUISE ID		PROJECT & LEG		STATION NO	
NOAAS Oscar Dyson		DY1905		Eco-FOCI Spring Larval Cruise (GA)		Bongo: RZA S 160 H 2	
CONSC CAST #	LATITUDE	DEG	MIN	LONGITUDE	DEG	MIN	DAY
019	57 36.33 N	155	23.36 W	17	MAY	19	2336
TIME (GMT) DRY BULB RH Pressure WIND DIRN WIND SPD WIND STA NAME/ID HR MIN (°C) (%) (mb) (deg) (kts) (m)							
WEATHER OBS: 2057 SBE 9+ Fluor/Turbidity 2057 PRESS SN 0772 SBE43-Oxy (prime) 1961 Pn Temp SN 4379 SBE43-Oxy (sec) 3200 Sec Temp SN 2376 Altimeter 47408 Pn Cond SN 042985 PAR SN 70547 Sec Cond SN 43127							
REMARKS: Recorder Initials:							
Nis	Depth	Rosette Notes	Salt	Hydro Team-PMEL	Chloro	Carbon Chemistry	Comments
No	Desired			Nut Blt O2-Blt No	GFF Vcl		
1	228			424			
2	200			425			
3	150			426			
4	100			427			
5	75			428			
6	50			429	281		
7	40			430	282		
8	30			431	285		
9	20			432	281		
10	10			433	283		
11	0			434	283		
12							
1							

50 MZ sample discarded

inline

VESSEL		CRUISE ID		PROJECT & LEG		STATION NO.						
NOAAS Oscar Dyson		DY1905		Eco-FOCI Spring Larval Cruise (GA)		Bongo: RZA S 161 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	HR	MIN	(°C)	(%)	(deg)	(kts)	(m)	
020	57	38.12	N	155	4.20	18	MAY 19	0256			250	FOX059
WEATHER OBS:												
SBE 9+			Fluor/Turbidity		2057							
PRESS SN	0772		SBE43-Oxy (prime)		1961							
Ph Temp SN	4379		SBE43-Oxy (sec)		3200							
Sec Temp SN	2376		Altimeter		47408							
Ph Cond SN	042985		PAR S/N		70547							
Sec Cond SN	43127											
REMARKS:												
Instrument Notes:												
Recorder Initials:												

Nis	No	Depth	Desired	Rosette Notes		Hydro Team-PMEL		Chloro	Carbon Chemistry		Comments	Nis	No
				Salt	Nut Btl	O2-Btl No	GFF Vol						
1	240				451							1	
2	200				452							2	
3	150				453							3	
4	100				454							4	
5	75				455							3	
6	50				456			281				4	
7	40				457			282				7	
8	30				458			285				8	
9	20				459			281				9	
10	10				760			283				10	
11	0				461			283				11	
12												12	
Inline												1	

VESSEL		CRUISE ID		PROJECT & LEG		STATION NO.		
NOAAS Oscar Dyson		DY1905		Eco-FOCI Spring Larval Cruise (GA)		Bongo: RZA S 162 H 1		
CONSC CAST #	LATITUDE		LONGITUDE		TIME (GMT)		BOTTOM DEPTH	STA. NAME/D
	DEG	MIN	DEG	MIN	HR	MIN	(m)	
0215740.85	N	155	10.34	W	18	0459	285	F0X060
WEATHER OBS:								MAX DEPTH = 240 m
REMARKS:								
Instrument Notes:								Recorder Initials:
SBE 9+ PRESS SN 0772 Pri Temp SN 4379 Sec Temp SN 2376 Pri Cond SN 042985 Sec Cond SN 43127								
Fluor/Turbidity 2057 SBE43-Oxy (prima) 1961 SBE43-Oxy (sec) 3200 Altimeter 47408 PAR SN 70547								
Carbon Chemistry								
Chloro								
GFF Vol								
Hydro Team-PMEL								
Nut Btl								
O2-Btl No								
Rosette Notes								
Salt								
Depth								
Desired								
1	250							1
2	200							2
3	150							3
4	100							4
5	75							3
6	50							4
7	40							7
8	30							8
9	20							9
10	10							10
11	0							11
12								12
Inline								1

VESSEL		CRUISE ID		PROJECT & LEG		STATION NO.													
NOAAS Oscar Dyson		DY1905		Eco-FOCI Spring Larval Cruise (GA)		Bongo: RZA S 163 H 1													
CONC CAST #	LATITUDE	DEG	MIN	DEG	MIN	LONGITUDE	DAY	MO	YR	TIME (GMT)	HR	MIN	DRY BULB	Pressure	RH	WIND DIRN	WIND SPD	BOTTOM DEPTH	STA NAME/ID
022	57 43.00 N			15	515.63	W 18	18	MAY	19	0732								244	F0X61
<p>WEATHER OBS:</p> <p>Dynamic Slope bathymetry</p> <p>decided not to pop bottles.</p> <p>No water samples.</p>																			
<p>REMARKS:</p>																			
<p>Recorder Initials:</p>																			
<p>MAX DEPTH = 220 m</p>																			
<p>Instrument Notes:</p>																			
<p>Fluor/Turbidity</p> <p>2057</p> <p>SBE43-Oxy (p.p.m.)</p> <p>1961</p> <p>SBE43-Oxy (sec)</p> <p>3200</p> <p>Altimeter</p> <p>47408</p> <p>PAR SN</p> <p>70547</p>																			
<p>SBE 9+</p> <p>PRESS SN</p> <p>0772</p> <p>Pri Temp SN</p> <p>4379</p> <p>Sac Temp SN</p> <p>2376</p> <p>Pri Cond SN</p> <p>042985</p> <p>Sac Cond SN</p> <p>43127</p>																			
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<p>1</p>																			
<p>2</p>																			
<p>3</p>																			
<p>4</p>																			
<p>5</p>																			
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