

VESSEL NOAAS OSCAR DYSON		CRUISE DY1606 DY1606		PROJECT & LEG Eco-FOCI 2016 Spring Mooring Cruise		CLAMS Event #:		STATION NO. 004													
CONSC CAST #	LATITUDE		LONGITUDE		TIME (GMT)	DRY BULB	Relative Humidity	Barometric pressure	SEA STATE	VISIBILITY	WIND DIRN.	WIND SPD.	CLOUD (amt)	TYPE	WEATHER	BOTTO M DEPTH	STA NAME/ID				
	DEG	MIN	DEG	MIN	DAY	MO	YR	HR	MIN	(°C)	(%)	(mb)	*	*	(deg)	(kts)	*	*	(m)		
001	56	52.27	N	164	03.59	W	05	MAY	16	0034	5.4	89.	06			33	9			M2cal	
SBE 9+ 09P34480-0772		FLUOR S/N		REMARKS after M2 recoveries mooring Chla labeled as Station 1 (Should be Station 4)																MAX. DEPTH = 72	
PRESS SN 772		SBE43-Oxy (prim 1961)																			
PRI TEMP SN 2376		SBE43-Oxy (sec) 1875																			
SEC TEMP SN 4379		Transmissometer																			
PRI COND SN 2985		PAR S/N 70296																			
SEC COND SN 3127		Turbidity 2057																			
Nis	DEPTH	Rosette Notes		Hydro Team-PMEL		Chlorophyll		EMA		UAF				Comments		Nis					
No.	DESIRED			SALT	Nut. Btl	O2-Btl. No	Chloro-GFF	Duplicates		DIC						No.					
1	80f			x 430	01	x				XXX					02-360 361 362	1					
2	50				02		x 288									2					
3	40				03		x 283									3					
4	30				04		x 283									4					
5	20				05		x 285									5					
6	11				06		x 289									6					
7	11				07		x 283									7					
8	11				08		x 279							✓	Cocco Sample - Eisner	8					
9	0				09	x	x 283			XXX					02-363 364 365	9					
10																10					
11																11					
12																12					

SST=

SSSal=

TSG Chl Sample:

The ³-O₂ bottles from the bottom were likely used for the Surface 9 Visa Versa. The winkler results seem to point to "

VESSEL NOAAS OSCAR DYSON		CRUISE DY1606 DY1606		PROJECT & LEG Eco-FOCI 2016 Spring Mooring Cruise		CLAMS Event #:		STATION NO. 07												
CONSC CAST #	LATITUDE		LONGITUDE		TIME (GMT)		DRY BULB	Relative Humidity	Barometric pressure	SEA STATE	VISIBILITY	WIND DIRN.	WIND SPD.	CLOUD (amt)	TYPE	WEATHER	BOTTO M DEPTH	STA. NAME/ID		
	DEG	MIN	DEG	MIN	DAY	MO	YR	HR	MIN	(°C)	(%)	(mb)	*	(deg)	(kts)	*	*	(m)		
00256	52.27	N	16403.31	W	05	MAY	16	10	19	5.475		05		44	15			71		
SBE 9+ 09P34480-0772		FLUOR S/N 2057		REMARKS M2 Center of Box CTD1 of 2 Peggy 9 subsurface deployed															MAX. DEPTH = 68	
PRESS SN 772		SBE43-Oxy (prim 1961)																		
PRI TEMP SN 2378		SBE43-Oxy (sec) 1875																		
SEC TEMP SN 4379		Transmissometer																		
PRI COND SN 2985		PAR S/N 70296																		
SEC COND SN 3127		Turbidity 2057																		
Nis	DEPTH	Rosette Notes		Hydro Team-PMEL		Chlorophyll		EMA		UAF				Comments		Nis				
No.	DESIRED			SALT	Nut. Bl	O2-Btl. No	Chloro- 11	Chloro-GFF	Duplicates	DIC						No.				
1	Bot			-	10					3x		O ₂ = 366, 367, 368				1				
2	50				11		x			x						2				
3	44						x									3				
4	44						x									4				
5	44						x									5				
6	40				12		x			x						6				
7	30				13		x			x						7				
8	24						x									8				
9	24						x									9				
10	24						x									10				
11	20				14		x			x						11				
12																12				

SST=

SSSal=

TSG Chl Sample:

Event logger "Mooring Deployed"
button hit @ bottom
then "CTD @ Bottom"

VESSEL NOAAS OSCAR DYSON			CRUISE DY1606 DY1606			PROJECT & LEG Eco-FOCI 2016 Spring Mooring Cruise			CLAMS Event #:			STATION NO. 07																			
CONSC CAST #	LATITUDE		LONGITUDE		TIME (GMT)			DRY BULB	Relative Humidity	Barometric pressure	SEA STATE	VISIBILITY	WIND DIRN.	WIND SPD.	CLOUD (amt)	TYPE	WEATHER	BOTTO M DEPTH	STA. NAME/ID												
	DEG	MIN	DEG	MIN	DAY	MO	YR	HR	MIN	(°C)	(%)	(mb)	*	(deg)	(kts)	*	*	(m)													
003	56	52.27 N	164	03.07 W	05	MAY	16	10	59	5.090	98		22	15				71	M2												
SBE 9+ 09P34480-0772 PRESS SN 772 PRI TEMP SN 2376 SEC TEMP SN 4379 PRI COND SN 2985 SEC COND SI 3127										FLUOR S/N SBE43-Oxy (prim) 1961 SBE43-Oxy (sec) 1875 Transmissometer PAR S/N 70296 Turbidity 2057										REMARKS M2 center of Box, CTD 2 of 2 Peggy 9 subsurface Deployed										MAX. DEPTH = 7 12	
Nis	DEPTH	Rosette Notes	Hydro Team-PMEL			Chlorophyll			EMA			UAF			Comments			Nis													
No.	DESIRED		SALT	Nut.Btl	O2-Btl.No	Chloro- 100	Chloro-GFF	Duplicates				DIC						No.													
1	11			15		x						X						1													
2	11					x												2													
3	11					x												3													
4	0			16	3x	x						3x			0 = 369, 370, 371			4													
5																		5													
6																		6													
7																		7													
8																		8													
9																		9													
10																		10													
11																		11													
12																		12													

SST=

SSSal=

TSG Chl Sample:

CTD taken only to 11m
as a full profile was taken
on CTD 002

VESSEL NOAAS OSCAR DYSON			CRUISE DY1606 DY1606			PROJECT & LEG Eco-FOCI 2016 Spring Mooring Cruise			CLAMS Event #:			STATION NO. 08							
CONSC CAST #	LATITUDE		LONGITUDE		TIME (GMT)			DRY BULB	Relative Humidity	Barometric pressure	SEA STATE	VISIBILITY	WIND DIRN.	WIND SPD.	CLOUD (amt)	TYPE	WEATHER	BOTTO M DEPTH	STA. NAME/ID
	DEG	MIN	DEG	MIN	DAY	MO	YR	HR	MIN	(°C)	(%)	(mb)	*	(deg)	(kts)	*	*	(m)	
004	56	40.17	N	163	52.23	W	05	MAY	16	13	27	04.8	95.0	002	14	22		76	MS
SBE 9+ 09P34480-0772			FLUOR S/N			REMARKS										MAX. DEPTH = 76			
PRESS SN 772			SBE43-Oxy (prim 1961)																
PRI TEMP SN 2376			SBE43-Oxy (sec) 1875																
SEC TEMP SN 4379			Transmissometer																
PRI COND SN 2985			PAR S/N 70296																
SEC COND SI 3127			Turbidity 2057																
Nis	DEPTH	Rosette Notes	Hydro Team-PMEL			Chlorophyll	EMA		UAF	Comments			Nis						
No.	DESIRED		SALT	Nut.Btl	O2-Btl.No	Chloro- 20	Chloro- 20 710	Duplicates	DIC				No.						
1	Bot			17	372								1						
2	50			18		283							2						
3	40			19		285							3						
4	30			20		289	289						4						
5	20			21		283							5						
6	10			22		279	279						6						
7	0		431	23	372	283							7						
8													8						
9													9						
10													10						
11													11						
12													12						

SST=

SSSal=

TSG Chl Sample:

VESSEL NOAAS OSCAR DYSON			CRUISE DY1606 DY1606			PROJECT & LEG Eco-FOCI 2016 Spring Mooring Cruise			CLAMS Event #:			STATION NO. 09							
CONSC CAST #	LATITUDE		LONGITUDE		TIME (GMT)		DRY BULB	Relative Humidity	Barometric pressure	SEA STATE	VISIBILITY	WIND DIRN.	WIND SPD.	CLOUD (amt)	TYPE	WEATHER	BOTTO M DEPTH	STA. NAME/ID	
	DEG	MIN	DEG	MIN	DAY	MO	YR	HR	MIN	(°C)	(%)	(mb)	*	(deg)	(kts)	*	*	(m)	
005	56	56.62 N	163	50.01 W	05	MAY	16	15	46	4.790	02		12	17			70	M2E	
SBE 9+ 09P34480-0772			FLUOR S/N			REMARKS Bongo full of Phy - Brown Underway Chl + nut collected while on station from TSG												MAX. DEPTH = 65	
PRESS SN 772			SBE43-Oxy (prim) 1961																
PRI TEMP SN 2376			SBE43-Oxy (sec) 1875																
SEC TEMP SN 4379			Transmissometer																
PRI COND SN 2985			PAR S/N 70296																
SEC COND SN 3127			Turbidity 2057																
Nis	DEPTH	Rosette Notes	Hydro Team-PMEL			Chlorophyll			EMA			UAF		Comments			Nis		
No.	DESIRED		SALT	Nut. Btl	O2-Btl. No	Chloro->10	Chloro-GFF	Duplicates			DIC				No.				
1	Bot			24	373		283							1					
2	50			25			283							2					
3	40			26			285							3					
4	30			27			289							4					
5	20			28			283							5					
6	10			29			279							6					
7	0			30			283							7					
8				31 = Underway Sample											8				
9														9					
10														10					
11														11					
12														12					

SST=

SSSal=

TSG Chl Sample:

VESSEL NOAAS OSCAR DYSON			CRUISE DY1606 DY1606			PROJECT & LEG Eco-FOCI 2016 Spring Mooring Cruise			CLAMS Event #:			STATION NO. 10						
CONSC CAST #	LATITUDE		LONGITUDE		TIME (GMT)		DRY BULB	Relative Humidity	Barometric pressure	SEA STATE	VISIBILITY	WIND DIRN.	WIND SPD.	CLOUD (amt)	TYPE	WEATHER	BOTTO M DEPTH	STA. NAME/ID
006	DEG	MIN	DEG	MIN	DAY	MO	YR	HR	MIN	(°C)	(%)	(mb)	*	(deg)	(kts)	*	(m)	
	57	.01 N	164	.21 W	05	MAY	16	17	45	3.8	96%	1002		12°	22		73m	M2N
SBE 9+ 09P34480-0772			FLUOR S/N			REMARKS PP expt #1 - Fisher at 0, 10, 20, 30, 40, 50m										MAX. DEPTH =		
PRESS SN 772			SBE43-Oxy (prim 1961)															
PRI TEMP SN 2376			SBE43-Oxy (sec) 1875															
SEC TEMP SN 4379			Transmissometer															
PRI COND SN 2985			PAR S/N 70298															
SEC COND SN 3127			Turbidity 2057															
Nis	DEPTH	Rosette Notes	Hydro Team-PMEL			Chlorophyll			EMA			UAF		Comments		Nis		
No.	DESIRED		SALT	Nut. Btl	O2-Btl. No	Chloro->10	Chloro-GFF	Duplicates			DIC				No.			
1	Bot		432	32											1			
2	50			33			138								2			
3	40			34			136								3			
4	30			35			137								4			
5	20			36			137								5			
6	10			37			137								6			
7	0			38	375		138								7			
8															8			
9															9			
10															10			
11															11			
12															12			

SST=

SSSal=

TSG Chl Sample:

VESSEL NOAAS OSCAR DYSON				CRUISE DY1606 DY1606				PROJECT & LEG Eco-FOCI 2016 Spring Mooring Cruise				CLAMS Event #:				STATION NO. 11								
CONSC CAST #	LATITUDE			LONGITUDE			TIME (GMT)			DRY BULB	Relative Humidity	Barometric pressure	SEA STATE	VISIBILITY	WIND DIRN.	WIND SPD.	CLOUD (amt)	TYPE	WEATHER	BOTTO M DEPTH	STA. NAME/ID			
07	DEG	MIN		DEG	MIN		DAY	MO	YR	HR	MIN	(°C)	(%)	(mb)	*	(deg)	(kts)	*	*	(m)				
		56	45.88	N	16	42.44	W	05	MAY	16	20	04	03.89	7.00	2	00	20			72	MZW			
SBE 9+		09P34480-0772		FLUOR S/N																	REMARKS		MAX. DEPTH =	
PRESS SN		772		SBE43-Oxy (prim 1961)		Accidentally saved CTD file as M2N Less phyt here than at earlier stations.																		
PRI TEMP SN		2376		SBE43-Oxy (sec) 1875																				
SEC TEMP SN		4379		Transmissometer																				
PRI COND SN		2985		PAR S/N 70296																				
SEC COND S		3127		Turbidity 2057																				
Nis	DEPTH	Rosette Notes			Hydro Team-PMEL			Chlorophyll			EMA			UAF		COCO		Comments		Nis				
No.	DESIRED				SALT	Nut. Btl	O2-Btl. No	Chloro->10	Chloro-GFF	Duplicates	DIC								No.					
1	30					39	374												1					
2	50					40			138										2					
3	40					41			136										3					
4	30					42			137										4					
5	20					43			137							✓	COCO Sample - Eism		5					
6	10					44			137										6					
7	0					45			138										7					
8																			8					
9																			9					
10																			10					
11																			11					
12																			12					

SST=

SSSal=

TSG Chl Sample:

VESSEL NOAAS OSCAR DYSON		CRUISE DY1606 DY1606		PROJECT & LEG Eco-FOCI 2016 Spring Mooring Cruise		CLAMS Event #:		STATION NO. 12										
08 CONSC CAST #	LATITUDE		LONGITUDE		TIME (GMT)		DRY BULB	Relative Humidity	Barometric pressure	SEA STATE	VISIBILITY	WIND DIRN.	WIND SPD.	CLOUD (amt)	TYPE	WEATHER	BOTTO M DEPTH	STA. NAME/ID
	DEG	MIN	DEG	MIN	DAY	MO	YR	HR	MIN	(°C)	(%)	(mb)	*	(deg)	(kts)	*	*	(m)
	56 46	.033 N	164 35	.483 W	05	05	16	21	33	3.7	94	1001		349	20			72 70 M3
SBE 9+ 09P34480-0772		FLUOR S/N		REMARKS										MAX. DEPTH =				
PRESS SN 772		SBE43-Oxy (prim) 1961																
PRI TEMP SN 2376		SBE43-Oxy (sec) 1875																
SEC TEMP SN 4379		Transmissometer																
PRI COND SN 2985		PAR S/N 70296																
SEC COND SI 3127		Turbidity 2057																
Nis	DEPTH	Rosette Notes	Hydro Team-PMEL		Chlorophyll	EMA		UAF	Comments		Nis							
No.	DESIRED		SALT	Nut.Btl	O2-Btl.No	Chloro->10	Chloro-GFF	Duplicates	DIC		No.							
1	Bot			46							1							
2	50			47			283				2							
3	40			48			285				3							
4	30			49			284				4							
5	20			50			283				5							
6	10			51			274				6							
7	0		433	52	X356		283				7							
8											8							
9											9							
10											10							
11											11							
12											12							

SST=

SSSal=

TSG Chl Sample:

VESSEL NOAAS OSCAR DYSON			CRUISE DY1606 DY1606			PROJECT & LEG Eco-FOCI 2016 Spring Mooring Cruise			CLAMS Event #:			STATION NO. 13																	
CONSC CAST #	LATITUDE		LONGITUDE		TIME (GMT)			DRY BULB	Relative Humidity	Barometric pressure	SEA STATE	VISIBILITY	WIND DIRN.	WIND SPD.	CLOUD (amt)	TYPE	WEATHER	BOTTO M DEPTH	STA. NAME/ID										
	DEG	MIN	DEG	MIN	DAY	MO	YR	HR	MIN	(°C)	(%)	(mb)	*	*	(deg)	(kts)	*	*	(m)										
09	56	54.60 N	164	50.16 W	05	MAY	16	22	49	3.1	99	1002			360	19			71 70M4										
SBE 9+ 09P34480-0772 PRESS SN 772 PRI TEMP SN 2376 SEC TEMP SN 4379 PRI COND SN 2985 SEC COND SN 3127										FLUOR S/N SBE43-Oxy (prim) 1961 SBE43-Oxy (sec) 1875 Transmissometer PAR S/N 70296 Turbidity 2057										REMARKS MAX. DEPTH =									
Nis	DEPTH	Rosette Notes	Hydro Team-PMEL			Chlorophyll			EMA			UAF			Comments			Nis											
No.	DESIRED		SALT	Nut.Btl	O2-Btl No	Chloro->10	Chloro-GFF	Duplicates	DIC																				
1	BotH			53	352												1												
2	50			54			283										2												
3	40			55			285										3												
4	30			56			289										4												
5	20			57			137										5												
6	10			58			137										6												
7	0			59			138										7												
8																	8												
9																	9												
10																	10												
11																	11												
12																	12												

SST=

SSS_{at}=

TSG Chl Sample:

VESSEL NOAAS OSCAR DYSON			CRUISE DY1606 DY1606			PROJECT & LEG Eco-FOCI 2016 Spring Mooring Cruise			CLAMS Event #:			STATION NO. 14																	
CONSC CAST #	LATITUDE		LONGITUDE		TIME (GMT)			DRY BULB	Relative Humidity	Barometric pressure	SEA STATE	VISIBILITY	WIND DIRN.	WIND SPD.	CLOUD (amt)	TYPE	WEATHER	BOTTO M DEPTH	STA. NAME/ID										
10	DEG	MIN	DEG	MIN	DAY	MO	YR	HR	MIN	(°C)	(%)	(mb)	*	(deg)	(kts)	*	*	(m)											
10		56 51.44 N		165 07.61 W	06	MAY	16	00	06	2.992		02		344	22			7370M5											
SBE 9+ 09P34480-0772 PRESS SN 772 PRI TEMP SN 2376 SEC TEMP SN 4379 PRI COND SN 2985 SEC COND SI 3127										FLUOR S/N SBE43-Oxy (prim 1961 SBE43-Oxy (sec) 1875 Transmissometer PAR S/N 70296 Turbidity 2057										REMARKS MAX. DEPTH = 66									
Nis	DEPTH	Rosette Notes	Hydro Team-PMEL			Chlorophyll			EMA			UAF			Comments			Nis											
No.	DESIRED		SALT	Nut. Btl	O2-Btl. No	Chloro->10			Chloro-GFF	Duplicates	DIC						No.												
1	Bot		* 434	60					✓								1												
2	50			61					✓								2												
3	40			62					✓								3												
4	30			63					✓								4												
5	20			64					✓								5												
6	10			65					✓								6												
7	0			66	* 209				✓								7												
8																	8												
9																	9												
10																	10												
11																	11												
12																	12												

SST=

SSSal=

TSG Chl Sample:

VESSEL NOAAS OSCAR DYSON				CRUISE DY1606 DY1606				PROJECT & LEG Eco-FOCI 2016 Spring Mooring Cruise				CLAMS Event #:				STATION NO. 15							
CONSC CAST #	LATITUDE			LONGITUDE			TIME (GMT)			DRY BULB	Relative Humidity	Barometric pressure	SEA STATE	VISIBILITY	WIND DIRN.	WIND SPD.	CLOUD (amt)	TYPE	WEATHER	BOTTO M DEPTH	STA. NAME/ID		
11	DEG	MIN		DEG	MIN		DAY	MO	YR	HR	MIN	(°C)	(%)	(mb)	*	(deg)	(kts)	*	*	(m)			
	11	56	59.46 N	165	22.55 W		06	MAY	16	01	39	2.691	01			350	21			72	70M6		
SBE 9+ 09P34480-0772 PRESS SN 772 PRI TEMP SN 2376 SEC TEMP SN 4379 PRI COND SN 2985 SEC COND SI 3127										FLUOR S/N SBE43-Oxy (prim 1861 SBE43-Oxy (sec) 1875 Transmissometer PAR S/N 70296 Turbidity 2057										REMARKS		MAX. DEPTH = 62	
Nis	DEPTH	Rosette Notes		Hydro Team-PMEL			Chlorophyll		EMA			UAF		Comments			Nis						
No.	DESIRED			SALT	Nut.Btl	O2-Btl No	Chloro->10	Chloro-GFF	Duplicates	DIC					No.								
1	Bot				67	351		✓						1									
2	50				68			✓						2									
3	40				69			✓						3									
4	30				70			✓						4									
5	20				71			✓						5									
6	10				72			✓						6									
7	0				73			✓						7									
8														8									
9														9									
10														10									
11														11									
12														12									

SST=

SSSal=

TSG Chl Sample:

VESSEL NOAAS OSCAR DYSON			CRUISE DY1606 DY1606			PROJECT & LEG Eco-FOCI 2016 Spring Mooring Cruise			CLAMS Event #:			STATION NO. 16																	
CONSC CAST #	LATITUDE		LONGITUDE		TIME (GMT)			DRY BULB	Relative Humidity	Barometric pressure	SEA STATE	VISIBILITY	WIND DIRN.	WIND SPD.	CLOUD (amt)	TYPE	WEATHER	BOTTO M DEPTH	STA. NAME/ID										
	DEG	MIN	DEG	MIN	DAY	MO	YR	HR	MIN	(°C)	(%)	(mb)	*	(deg)	(kts)	*	*	(m)											
	12	57.06	35	N	16	53	6	06	MAY 16	0308	2.291	01		334	26			7070m7											
SBE 9+ 09P34480-0772 PRESS SN 772 PRI TEMP SN 2376 SEC TEMP SN 4379 PRI COND SN 2985 SEC COND SN 3127										FLUOR S/N SBE43-Oxy (prim 1961) SBE43-Oxy (sec) 1875 Transmissometer PAR S/N 70296 Turbidity 2057										REMARKS MAX. DEPTH = 63									
Nis	DEPTH	Rosette Notes		Hydro Team-PMEL			Chlorophyll			EMA			UAF		Comments			Nis											
No.	DESIRED			SALT	Nut. Btl	O2-Btl. No	Chloro-GFF	Duplicates	DIC							No.													
1	Bot				74											1													
2	50				75		X									2													
3	40				76		X									3													
4	30				77		X									4													
5	20				78		X									5													
6	10				79		X									6													
7	0			435	80	292	X									7													
8																8													
9																9													
10																10													
11																11													
12																12													

SST=

SSSal=

TSG Chl Sample:

VESSEL NOAAS OSCAR DYSON			CRUISE DY1606 DY1606			PROJECT & LEG Eco-FOCI 2016 Spring Mooring Cruise			CLAMS Event #:			STATION NO. 17																	
CONSC CAST #	LATITUDE		LONGITUDE		TIME (GMT)			DRY BULB	Relative Humidity	Barometric pressure	SEA STATE	VISIBILITY	WIND DIRN.	WIND SPD.	CLOUD (amt)	TYPE	WEATHER	BOTTO M DEPTH	STA. NAME/ID										
	DEG	MIN	DEG	MIN	DAY	MO	YR	HR	MIN	(°C)	(%)	(mb)	*	*	(deg)	(kts)	*	*	(m)										
	13	57	15.67	N	16	54	.72	W	06	MAY	1	6	04	31	2.1	90.	01			333	25					70	70m8		
SBE 9+ 09P34480-0772 PRESS SN 772 PRI TEMP SN 2376 SEC TEMP SN 4379 PRI COND SN 2985 SEC COND SN 3127										FLUOR S/N SBE43-Oxy (prim) 1961 SBE43-Oxy (sec) 1875 Transmissometer PAR S/N 70296 Turbidity 2057										REMARKS MAX. DEPTH = 63									
Nis	DEPTH	Rosette Notes		Hydro Team-PMEL			Chlorophyll			EMA			UAF		Comments			Nis											
No.	DESIRED			SALT	Nut.Btl	O2-Btl.No	Chloro- 10	Chloro-GFF	Duplicates			DIC				No.													
1	Bot				81										1														
2	50				82		X								2														
3	40				83		X								3														
4	30				84		X								4														
5	20				85		X								5														
6	10				86		X								6														
7	0				87	293	X								7														
8															8														
9															9														
10															10														
11															11														
12															12														

SST=

SSSal=

TSG Chl Sample:

VESSEL NOAAS OSCAR DYSON			CRUISE DY1606 DY1606			PROJECT & LEG Eco-FOCI 2016 Spring Mooring Cruise			CLAMS Event #:			STATION NO. 18																	
CONSC CAST #	LATITUDE		LONGITUDE		TIME (GMT)			DRY BULB	Relative Humidity	Barometric pressure	SEA STATE	VISIBILITY	WIND DIRN.	WIND SPD.	CLOUD (amt)	TYPE	WEATHER	BOTTO M DEPTH	STA. NAME/ID										
	DEG	MIN	DEG	MIN	DAY	MO	YR	HR	MIN	(°C)	(%)	(mb)	*	*	(deg)	(kts)	*	*	(m)										
	14	57	19	20	N	16	00	42	W	06	MAY	16	06	07	1.6	93.	02		33	26				68	70m9				
SBE 9+ 09P34480-0772 PRESS SN 772 PRI TEMP SN 2376 SEC TEMP SN 4379 PRI COND SN 2985 SEC COND SN 3127										FLUOR S/N SBE43-Oxy (prim) 1961 SBE43-Oxy (sec) 1875 Transmissometer PAR S/N 70296 Turbidity 2057										REMARKS MAX. DEPTH = 60									
Nis	DEPTH	Rosette Notes		Hydro Team-PMEL			Chlorophyll	EMA			UAF	Comments			Nis														
No.	DESIRED			SALT	Nut.Btl	O2-Btl.No	Chloro->10	Chloro-GFF	Duplicates	DIC				No.															
1	Bot			436	88									1															
2	50				89			✓						2															
3	46				90			✓						3															
4	30				91			✓						4															
5	20				92			✓						5															
6	10				93			✓						6															
7	0				94	346		✓						7															
8														8															
9														9															
10														10															
11														11															
12														12															

SST=

SSSal=

TSG Chl Sample:

VESSEL NOAAS OSCAR DYSON			CRUISE DY1606 DY1606			PROJECT & LEG Eco-FOCI 2016 Spring Mooring Cruise			CLAMS Event #:			STATION NO. 19							
CONSC CAST #	LATITUDE		LONGITUDE		TIME (GMT)			DRY BULB	Relative Humidity	Barometric pressure	SEA STATE	VISIBILITY	WIND DIRN.	WIND SPD.	CLOUD (amt)	TYPE	WEATHER	BOTTO M DEPTH	STA. NAME/ID
	DEG	MIN	DEG	MIN	DAY	MO	YR	HR	MIN	(°C)	(%)	(mb)	*	*	(deg)	(kts)	*	*	(m)
	15	57	19	27	N	16	6	06	31	1.3	90	03			33	29			7070m10
SBE 9+ 09P34480-0772 PRESS SN 772 PRI TEMP SN 2376 SEC TEMP SN 4379 PRI COND SN 2985 SEC COND SI 3127										FLUOR S/N SBE43-Oxy (prim) 1981 SBE43-Oxy (sec) 1875 Transmissometer PAR S/N 70296 Turbidity 2057									
REMARKS										MAX DEPTH = 61									
Nis	DEPTH	Rosette Notes		Hydro Team-PMEL			Chlorophyll			EMA			UAF		Comments			Nis	
No.	DESIRED			SALT	Nut. Btl	O2-Btl. No	Chloro-A	Chloro-GFF	Duplicates			DIC						No.	
1	Bot				95	181												1	
2	50				96		X											2	
3	40				97		X											3	
4	30				98		X											4	
5	20				99		X											5	
6	10				100		X											6	
7	0				101		X											7	
8																		8	
9																		9	
10																		10	
11																		11	
12																		12	

SST=

SSSal=

TSG Chl Sample:

VESSEL NOAAS OSCAR DYSON			CRUISE DY1606 DY1606			PROJECT & LEG Eco-FOCI 2016 Spring Mooring Cruise			CLAMS Event #:			STATION NO. 20							
CONSC CAST #	LATITUDE		LONGITUDE		TIME (GMT)		DRY BULB	Relative Humidity	Barometric pressure	SEA STATE	VISIBILITY	WIND DIRN.	WIND SPD.	CLOUD (amt)	TYPE	WEATHER	BOTTO M DEPTH	STA. NAME/ID	
	DEG	MIN	DEG	MIN	DAY	MO	YR	HR	MIN	(°C)	(%)	(mb)	*	*	(deg)	(kts)	*	*	
16	57	26.17 N	166	30.73 W	06	MAY	16	09	29	1.691	03	331	22				69	70M11	
SBE 9+ 09P34480-0772 PRESS SN 772 PRI TEMP SN 2376 SEC TEMP SN 4379 PRI COND SN 2985 SEC COND SI 3127					FLUOR S/N SBE43-Oxy (prim 1961) SBE43-Oxy (sec) 1875 Transmissometer PAR S/N 70296 Turbidity 2057					REMARKS mixed Top to bottom effing miserable									
MAX. DEPTH = 61																			
Nis	DEPTH	Rosette Notes		Hydro Team-PMEL			Chlorophyll	EMA		UAF			Comments		Nis				
No.	DESIRED			SALT	Nut.Btl	O2-Btl.No	Chloro->10	Chloro-GFF	Duplicates	DIC					No.				
1	Bot			437	102										1				
2	50				103										2				
3	40				104										3				
4	30				105										4				
5	20				106										5				
6	10				107										6				
7	0				108	291									7				
8															8				
9															9				
10															10				
11															11				
12															12				

SST=

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TSG Chl Sample:

VESSEL NOAAS OSCAR DYSON			CRUISE DY1606 DY1606			PROJECT & LEG Eco-FOCI 2016 Spring Mooring Cruise			CLAMS Event #:			STATION NO. 21																	
CONSC CAST #	LATITUDE		LONGITUDE		TIME (GMT)			DRY BULB	Relative Humidity	Barometric pressure	SEA STATE	VISIBILITY	WIND DIRN.	WIND SPD.	CLOUD (amt)	TYPE	WEATHER	BOTTO M DEPTH	STA. NAME/ID										
	DEG	MIN	DEG	MIN	DAY	MO	YR	HR	MIN	(°C)	(%)	(mb)	*	*	(deg)	(kts)	*	*	(m)										
17	57	25.68 N	166	48.68 W	06	MAY	16	11	07	1.389	03			330	20			6970m	12										
SBE 9+ 09P34480-0772 PRESS SN 772 PRI TEMP SN 2376 SEC TEMP SN 4379 PRI COND SN 2985 SEC COND SN 3127										FLUOR S/N SBE43-Oxy (prim) 1961 SBE43-Oxy (sec) 1875 Transmissometer PAR S/N 70296 Turbidity 2057										REMARKS MAX. DEPTH = 61									
Nis	DEPTH	Rosette Notes	Hydro Team-PMEL			Chlorophyll			EMA			UAF			Comments			Nis											
No.	DESIRED		SALT	Nut.Btl	O2-Btl.No	Chloro- 4	Chloro-GFF	Duplicates				DIC					No.												
1	Bot			109													1												
2	50			110		X											2												
3	40			111		X											3												
4	30			112		X											4												
5	20			113		X											5												
6	10			114		X											6												
7	0			115 289		X											7												
8																	8												
9																	9												
10																	10												
11																	11												
12																	12												

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TSG Chl Sample:

VESSEL NOAAS OSCAR DYSON			CRUISE DY1606 DY1606			PROJECT & LEG Eco-FOCI 2016 Spring Mooring Cruise			CLAMS Event #:			STATION NO. 22																													
CONSC CAST #	LATITUDE		LONGITUDE		TIME (GMT)		DRY BULB	Relative Humidity	Barometric pressure	SEA STATE	VISIBILITY	WIND DIRN.	WIND SPD.	CLOUD (amt)	TYPE	WEATHER	BOTTO M DEPTH	STA. NAME/ID																							
	DEG	MIN	DEG	MIN	DAY	MO	YR	HR	MIN	(°C)	(%)	(mb)	*	*	(deg)	(kts)	*	*																							
18	57	31.32	N	167	02.52	W	06	MAY	16	1300	1.358	0.38			32	117																									
<table border="1"> <tr> <td>SBE 9+</td> <td>09P34480-0772</td> <td>FLUOR S/N</td> <td></td> </tr> <tr> <td>PRESS SN</td> <td>772</td> <td>SBE43-Oxy (prim)</td> <td>1981</td> </tr> <tr> <td>PRI TEMP SN</td> <td>2376</td> <td>SBE43-Oxy (sec)</td> <td>1875</td> </tr> <tr> <td>SEC TEMP SN</td> <td>4379</td> <td>Transmissometer</td> <td></td> </tr> <tr> <td>PRI COND SN</td> <td>2985</td> <td>PAR S/N</td> <td>70296</td> </tr> <tr> <td>SEC COND SI</td> <td>3127</td> <td>Turbidity</td> <td>2057</td> </tr> </table>																		SBE 9+	09P34480-0772	FLUOR S/N		PRESS SN	772	SBE43-Oxy (prim)	1981	PRI TEMP SN	2376	SBE43-Oxy (sec)	1875	SEC TEMP SN	4379	Transmissometer		PRI COND SN	2985	PAR S/N	70296	SEC COND SI	3127	Turbidity	2057
SBE 9+	09P34480-0772	FLUOR S/N																																							
PRESS SN	772	SBE43-Oxy (prim)	1981																																						
PRI TEMP SN	2376	SBE43-Oxy (sec)	1875																																						
SEC TEMP SN	4379	Transmissometer																																							
PRI COND SN	2985	PAR S/N	70296																																						
SEC COND SI	3127	Turbidity	2057																																						
REMARKS																																									
MAX. DEPTH =																																									
Nis	DEPTH	Rosette Notes	Hydro Team-PMEL			Chlorophyll	EMA			UAF	Comments			Nis																											
No.	DESIRED		SALT	Nut.Btl	O2-Btl.No	Chloro->10	Chloro-GFF	Duplicates	DIC				No.																												
1	BOT			116	288								1																												
2	50			117			138						2																												
3	40			118			136						3																												
4	30			119			137						4																												
5	20			120			137						5																												
6	10			121			137						6																												
7	0		438	122			138						7																												
8													8																												
9													9																												
10													10																												
11													11																												
12													12																												

SST=

SSSal=

TSG Chl Sample:

VESSEL NOAAS OSCAR DYSON			CRUISE DY1606 DY1606			PROJECT & LEG Eco-FOCI 2016 Spring Mooring Cruise			CLAMS Event #:			STATION NO. 23						
CONSC CAST #	LATITUDE		LONGITUDE		TIME (GMT)		DRY BULB	Relative Humidity	Barometric pressure	SEA STATE	VISIBILITY	WIND DIRN.	WIND SPD.	CLOUD (amt)	TYPE	WEATHER	BOTTO M DEPTH	STA. NAME/ID
019	DEG	MIN	DEG	MIN	DAY	MO	YR	HR	MIN	(°C)	(%)	(mb)	*	*	(deg)	(kts)	*	*
	57	29.9	2	N	14	7	20	14	37	01	08	04			31	23		
																	71.35	65
SBE 9+ 09P34480-0772		FLUOR S/N		REMARKS Fired 40m Bottle @ 37m Vent open on bottom bottle too k next depth?												MAX. DEPTH =		
PRESS SN 772		SBE43-Oxy (prim) 1961																
PRI TEMP SN 2376		SBE43-Oxy (sec) 1875																
SEC TEMP SN 4379		Transmissometer																
PRI COND SN 2985		PAR S/N 70296																
SEC COND SN 3127		Turbidity 2057																
Nis	DEPTH	Rosette Notes		Hydro Team-PMEL		Chlorophyll	EMA		UAF			Comments		Nis				
No.	DESIRED			SALT	Nut.Btl	O2-Btl.No	Chloro->10	Chloro-GFF	Duplicates	DIC				No.				
1	Bot				123									1				
2	50				124	285		283						2				
3	40				125			285						3				
4	30				126			289						4				
5	20				127			283						5				
6	10				128			279						6				
7	0				129			283						7				
8														8				
9														9				
10														10				
11														11				
12														12				

SST=

SSSal=

TSG Chl Sample:

VESSEL NOAAS OSCAR DYSON			CRUISE DY1606 DY1606			PROJECT & LEG Eco-FOCI 2016 Spring Mooring Cruise			CLAMS Event #:			STATION NO. 24																															
CONSC CAST #	LATITUDE		LONGITUDE		TIME (GMT)		DRY BULB	Relative Humidity	Barometric pressure	SEA STATE	VISIBILITY	WIND DIRN.	WIND SPD.	CLOUD (amt)	TYPE	WEATHER	BOTTO M DEPTH	STA. NAME/ID																									
	DEG	MIN	DEG	MIN	DAY	MO	YR	HR	MIN	(°C)	(%)	(mb)	*	*	(deg)	(kts)	*	*																									
	020	5730.05N	167	39.81W	06	MAY	16	16	17	0.982		05			310	19		7270M15																									
<table border="1"> <tr> <td>SBE 9+</td> <td>09P34480-0772</td> <td>FLUOR S/N</td> <td></td> <td rowspan="6">REMARKS</td> <td rowspan="6">MAX. DEPTH = 6.15</td> </tr> <tr> <td>PRESS SN</td> <td>772</td> <td>SBE43-Oxy (prim 1961</td> <td></td> </tr> <tr> <td>PRI TEMP SN</td> <td>2376</td> <td>SBE43-Oxy (sec) 1875</td> <td></td> </tr> <tr> <td>SEC TEMP SN</td> <td>4379</td> <td>Transmissometer</td> <td></td> </tr> <tr> <td>PRI COND SN</td> <td>2985</td> <td>PAR S/N</td> <td>70296</td> </tr> <tr> <td>SEC COND SN</td> <td>3127</td> <td>Turbidity</td> <td>2057</td> </tr> </table>																		SBE 9+	09P34480-0772	FLUOR S/N		REMARKS	MAX. DEPTH = 6.15	PRESS SN	772	SBE43-Oxy (prim 1961		PRI TEMP SN	2376	SBE43-Oxy (sec) 1875		SEC TEMP SN	4379	Transmissometer		PRI COND SN	2985	PAR S/N	70296	SEC COND SN	3127	Turbidity	2057
SBE 9+	09P34480-0772	FLUOR S/N		REMARKS	MAX. DEPTH = 6.15																																						
PRESS SN	772	SBE43-Oxy (prim 1961																																									
PRI TEMP SN	2376	SBE43-Oxy (sec) 1875																																									
SEC TEMP SN	4379	Transmissometer																																									
PRI COND SN	2985	PAR S/N	70296																																								
SEC COND SN	3127	Turbidity	2057																																								
Nis	DEPTH	Rosette Notes	Hydro Team-PMEL			Chlorophyll	EMA		UAF	Coccol	Comments	Nis																															
No.	DESIRED		SALT	Nut.Btl	O2-Btl.No	Chloro->10	Chloro-GFF	Duplicates	DIC			No.																															
1	BOX		439	130								1																															
2	50			131			283					2																															
3	40			132			285					3																															
4	30			133			289					4																															
5	20			134		290	283			✓	1 Size fraction Chla Coccol Sample	5																															
6	10			135			279					6																															
7	0			136	105		283					7																															
8												8																															
9												9																															
10												10																															
11												11																															
12												12																															

SST=

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TSG Chl Sample:

VESSEL NOAAS OSCAR DYSON			CRUISE DY1606 DY1606			PROJECT & LEG Eco-FOCI 2016 Spring Mooring Cruise			CLAMS Event #:			STATION NO. 25									
CONSC CAST #	LATITUDE		LONGITUDE		TIME (GMT)		DRY BULB	Relative Humidity	Barometric pressure	SEA STATE	VISIBILITY	WIND DIRN.	WIND SPD.	CLOUD (amt)	WEATHER	BOTTO M DEPTH	STA. NAME/ID				
	DEG	MIN	DEG	MIN	DAY	MO	YR	HR	MIN	(°C)	(%)	(mb)	*	*	(deg)	(kts)	*	*	*	(m)	
021	57	29.52 N	167	59.22 W	06	MAY	16	17	139	9.8	75.	05			317	15				71	70M16
SBE 9+ 09P34480-0772 PRESS SN 772 PRI TEMP SN 2376 SEC TEMP SN 4379 PRI COND SN 2985 SEC COND SN 3127										FLUOR S/N SBE43-Oxy (prim) 1961 SBE43-Oxy (sec) 1875 Transmissometer PAR S/N 70296 Turbidity 2057										REMARKS PP expt #2 - EISNER MAX. DEPTH = 66	
Nis	DEPTH	Rosette Notes	Hydro Team-PMEL			Chlorophyll	EMA		UAF				Comments			Nis					
No.	DESIRED		SALT	Nut.Btl	O2-Btl.No	Chloro->10	Chloro-GFF	Duplicates	DIC							No.					
1	30			137	286	LISA Stack = 6FF + >10	290	283								1					
2	50			138												2					
3	40			139												3					
4	30			140												4					
5	20			141												5					
6	10			142												6					
7	0			143												7					
8																8					
9																9					
10																10					
11																11					
12																12					

SST=

SSSal=

TSG Chl Sample:

VESSEL NOAAS OSCAR DYSON			CRUISE DY1606 DY1606			PROJECT & LEG Eco-FOCI 2016 Spring Mooring Cruise			CLAMS Event #:			STATION NO 26											
CONSC CAST #	LATITUDE		LONGITUDE		TIME (GMT)			DRY BULB	Relative Humidity	Barometric pressure	SEA STATE	VISIBILITY	WIND DIRN.	WIND SPD.	CLOUD (amt)	TYPE	WEATHER	BOTTO M DEPTH	STA. NAME/ID				
	DEG	MIN	DEG	MIN	DAY	MO	YR	HR	MIN	(°C)	(%)	(mb)	*	(deg)	(kts)	*	*	(m)					
022	57	31.13 N	168	18.55 W	06	MAY	16	19	08	1.275	015			319	13			71	70M17				
SBE 9+ 09P34480-0772 PRESS SN 772 PRI TEMP SN 2376 SEC TEMP SN 4379 PRI COND SN 2985 SEC COND SI 3127										FLUOR S/N SBE43-Oxy (prim) 1961 SBE43-Oxy (sec) 1875 Transmissometer PAR S/N 70296 Turbidity 2057										REMARKS GO PRO 1		MAX. DEPTH =	
Nis	DEPTH	Rosette Notes		Hydro Team-PMEL			Chlorophyll	EMA			UAF				Comments			Nis					
No.	DESIRED			SALT	Nut.Btl	O2-Btl.No	Chloro->10	Chloro-GFF	Duplicates	DIC							No.						
1	ROT			440	144												1						
2	50				145			283									2						
3	40			X	146			285									3						
4	30				147			284									4						
5	20				148			283									5						
6	10				149			279									6						
7	0			X	150	355		283									7						
8																	8						
9																	9						
10																	10						
11																	11						
12																	12						

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TSG Chl Sample

NUTS 146 9 150 last

VESSEL NOAAS OSCAR DYSON			CRUISE DY1606 DY1606			PROJECT & LEG Eco-FOCI 2016 Spring Mooring Cruise			CLAMS Event #:			STATION NO. 27																	
CONSC CAST #	LATITUDE		LONGITUDE		TIME (GMT)			DRY BULB	Relative Humidity	Barometric pressure	SEA STATE	VISIBILITY	WIND DIRN.	WIND SPD.	CLOUD (amt)	TYPE	WEATHER	BOTTO M DEPTH	STA. NAME/ID										
	DEG	MIN	DEG	MIN	DAY	MO	YR	HR	MIN	(°C)	(%)	(mb)	*	(deg)	(kts)	*	*	(m)											
023	57	31.32	N	168	37.31	W	06	MAY	16	21.46	21.57	106		273	3.5			71	70m R										
SBE 9+ 09P34480-0772 PRESS SN 772 PRI TEMP SN 2376 SEC TEMP SN 4379 PRI COND SN 2985 SEC COND SN 3127										FLUOR S/N SBE43-Oxy (prim) 1961 SBE43-Oxy (sec) 1875 Transmissometer PAR S/N 70296 Turbidity 2057										REMARKS GO PRO 2 MAX. DEPTH = 66									
Nis	DEPTH	Rosette Notes		Hydro Team-PMEL			Chlorophyll	EMA			UAF		Comments			Nis													
No.	DESIRED			SALT	Nut. Bl	O2-Btl. No	Chloro->10	Chloro-GFF	Duplicates	DIC		FA			No.														
1	30				151	353									1														
2	50				152			283							2														
3	40				153			285							3														
4	30				154			289							4														
5	20				155			283							5														
6	10				156			279				✓	FA Phyt-Eisner		6														
7	0				157			283							7														
8															8														
9															9														
10															10														
11															11														
12															12														

SST=

SSSal=

TSG Chl Sample:

VESSEL NOAAS OSCAR DYSON			CRUISE DY1606 DY1606			PROJECT & LEG Eco-FOCI 2016 Spring Mooring Cruise			CLAMS Event #:			STATION NO. 28																															
CONSC CAST #	LATITUDE		LONGITUDE		TIME (GMT)		DRY BULB	Relative Humidity	Barometric pressure	SEA STATE	VISIBILITY	WIND DIRN.	WIND SPD.	CLOUD (amt)	TYPE	WEATHER	BOTTO M DEPTH	STA. NAME/ID																									
	DEG	MIN	DEG	MIN	DAY	MO	YR	HR	MIN	(°C)	(%)	(mb)	*	*	(deg)	(kts)	*	*																									
024	57	39.07 N	169	01.45 W	06	MAY	16	23	31	3.4	68	05			213	7																											
<table border="1"> <tr> <td>SBE 9+</td> <td>09P34480-0772</td> <td>FLUOR S/N</td> <td></td> <td rowspan="6">REMARKS</td> <td rowspan="6">MAX. DEPTH = 63</td> </tr> <tr> <td>PRESS SN</td> <td>772</td> <td>SBE43-Oxy (prim)</td> <td>1961</td> </tr> <tr> <td>PRI TEMP SN</td> <td>2376</td> <td>SBE43-Oxy (sec)</td> <td>1875</td> </tr> <tr> <td>SEC TEMP SN</td> <td>4379</td> <td>Transmissometer</td> <td></td> </tr> <tr> <td>PRI COND SN</td> <td>2985</td> <td>PAR S/N</td> <td>70296</td> </tr> <tr> <td>SEC COND SN</td> <td>3127</td> <td>Turbidity</td> <td>2057</td> </tr> </table>																		SBE 9+	09P34480-0772	FLUOR S/N		REMARKS	MAX. DEPTH = 63	PRESS SN	772	SBE43-Oxy (prim)	1961	PRI TEMP SN	2376	SBE43-Oxy (sec)	1875	SEC TEMP SN	4379	Transmissometer		PRI COND SN	2985	PAR S/N	70296	SEC COND SN	3127	Turbidity	2057
SBE 9+	09P34480-0772	FLUOR S/N		REMARKS	MAX. DEPTH = 63																																						
PRESS SN	772	SBE43-Oxy (prim)	1961																																								
PRI TEMP SN	2376	SBE43-Oxy (sec)	1875																																								
SEC TEMP SN	4379	Transmissometer																																									
PRI COND SN	2985	PAR S/N	70296																																								
SEC COND SN	3127	Turbidity	2057																																								
Nis	DEPTH	Rosette Notes	Hydro Team-PMEL			Chlorophyll	EMA			UAF		Comments	Nis																														
No.	DESIRED		SALT	Nut. Bl	O2-Bl. No	Chloro->10	Chloro-GFF	Duplicates	DIC	FA		No.																															
1	Bot			158								1																															
2	50			159			283					2																															
3	40			160			285					3																															
4	30			161			289					4																															
5	20			162			283			✓	FA Phyt-Eisner	5																															
6	10			163			279					6																															
7	0		441	164	118		283					7																															
8												8																															
9												9																															
10												10																															
11												11																															
12												12																															

SST=

SSSal=

TSG Chl Sample:

VESSEL NOAAS OSCAR DYSON			CRUISE DY1606 DY1606			PROJECT & LEG Eco-FOCI 2016 Spring Mooring Cruise			CLAMS Event #:			STATION NO. 29																	
CONSC CAST #	LATITUDE		LONGITUDE		TIME (GMT)			DRY BULB	Relative Humidity	Barometric pressure	SEA STATE	VISIBILITY	WIND DIRN.	WIND SPD.	CLOUD (amt)	TYPE	WEATHER	BOTTO M DEPTH	STA. NAME/ID										
	DEG	MIN	DEG	MIN	DAY	MO	YR	HR	MIN	(°C)	(%)	(mb)	*	*	(deg)	(kts)	*	*	(m)										
025	S	46.07	N	16827.78	W	07	MAY	16	01	44	3.570	05			183	06			71M4E										
SBE 9+ 09P34480-0772 PRESS SN 772 PRI TEMP SN 2376 SEC TEMP SN 4379 PRI COND SN 2985 SEC COND SI 3127										FLUOR S/N SBE43-Oxy (prim) 1961 SBE43-Oxy (sec) 1875 Transmissometer PAR S/N 70296 Turbidity 2057										REMARKS MAX. DEPTH = 65									
Nis	DEPTH	Rosette Notes		Hydro Team-PMEL			Chlorophyll		EMA			UAF		Comments			Nis												
No.	DESIRED			SALT	Nut.Btl	O2-Btl.No	Chloro->10	Chloro-GFF	Duplicates	DIC					No.														
1	Bot				165	107								1															
2	50				166			✓						2															
3	40				167			✓						3															
4	30				168			✓						4															
5	20				169			✓						5															
6	10				170			✓						6															
7	0				171			✓						7															
8														8															
9														9															
10														10															
11														11															
12														12															

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TSG Chl Sample:

VESSEL NOAAS OSCAR DYSON			CRUISE DY1606 DY1606			PROJECT & LEG Eco-FOCI 2016 Spring Mooring Cruise			CLAMS Event #:			STATION NO. 30										
CONSC CAST #	LATITUDE		LONGITUDE		TIME (GMT)			DRY BULB	Relative Humidity	Barometric pressure	SEA STATE	VISIBILITY	WIND DIRN.	WIND SPD.	CLOUD (amt)	TYPE	WEATHER	BOTTO M DEPTH	STA. NAME/ID			
	DEG	MIN	DEG	MIN	DAY	MO	YR	HR	MIN	(°C)	(%)	(mb)	*	(deg)	(kts)	*	*	(m)				
	26	57.49	98	N	12	85	2.97	W	07	MAY	16	04	53	3.7	79.	04		152	12	71	114	CEN
SBE 9+		09P34480-0772		FLUOR S/N		REMARKS														MAX. DEPTH - 66		
PRESS SN		772		SBE43-Oxy (prim 1961)																		
PRI TEMP SN		2376		SBE43-Oxy (sec) 1875																		
SEC TEMP SN		4379		Transmissometer																		
PRI COND SN		2985		PAR S/N 70296																		
SEC COND SN		3127		Turbidity 2057																		
Nis	DEPTH	Rosette Notes		Hydro Team-PMEL			Chlorophyll			EMA			UAF		Comments			Nis				
No.	DESIRED			SALT	Nut.Btl	O2-Btl.No	Chloro- 9	Chloro-GFF	Duplicates	DIC					No.							
1	80			442	172	150								1								
2	50				173		281							2								
3	40				174		288							3								
4	30				175		283							4								
5	20				176		283							5								
6	13				177		285							6								
7	13						289							7								
8	13						283							8								
9	10				178		279							9								
10	0				179		283							10								
11														11								
12														12								

SST=

SSSal=

TSG Chl Sample:

VESSEL NOAAS OSCAR DYSON			CRUISE DY1606 DY1606			PROJECT & LEG Eco-FOCI 2016 Spring Mooring Cruise			CLAMS Event #:			STATION NO. 31																			
CONSC CAST #	LATITUDE		LONGITUDE		TIME (GMT)			DRY BULB	Relative Humidity	Barometric pressure	SEA STATE	VISIBILITY	WIND DIRN.	WIND SPD.	CLOUD (amt)	TYPE	WEATHER	BOTTO M DEPTH	STA. NAME/ID												
	DEG	MIN	DEG	MIN	DAY	MO	YR	HR	MIN	(°C)	(%)	(mb)	*	*	(deg)	(kts)	*	*	(m)												
027	38	03.79 N	128	43.35 W	07	MAY	16	06	47	3.4	83.	04			145	12			79M4N												
SBE 9+ 09P34480-0772 PRESS SN 772 PRI TEMP SN 2376 SEC TEMP SN 4379 PRI COND SN 2985 SEC COND SN 3127										FLUOR S/N SBE43-Oxy (prim) 1961 SBE43-Oxy (sec) 1875 Transmissometer PAR S/N 70296 Turbidity 2057										REMARKS Switched to small bottles for 1st 3 chl-samples										MAX. DEPTH = 64	
Nis	DEPTH	Rosette Notes		Hydro Team-PMEL			Chlorophyll			EMA			UAF		Comments			Nis													
No.	DESIRED			SALT	Nut.Btl	O2-Btl No	Chloro-GFF	Duplicates			DIC					No.															
1	BOT				180										1																
2	50				181		X								2																
3	40				182		X								3																
4	30				183		X								4																
5	20				184		x								5																
6	10				185		x								6																
7	0				186	100	x								7																
8															8																
9															9																
10															10																
11															11																
12															12																

SST=

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TSG Chl Sample:

VESSEL NOAAS OSCAR DYSON				CRUISE DY1606 DY1606				PROJECT & LEG Eco-FOCI 2016 Spring Mooring Cruise				CLAMS Event #:				STATION NO. 32							
CONSC CAST #	LATITUDE			LONGITUDE			TIME (GMT)			DRY BULB		Relative Humidity	Barometric pressure	SEA STATE	VISIBILITY	WIND DIRN.	WIND SPD.	CLOUD (amt)	TYPE	WEATHER	BOTTO M DEPTH	STA. NAME/ID	
	DEG	MIN		DEG	MIN		DAY	MO	YR	HR	MIN	(°C)	(%)	(mb)	*	(deg)	(kts)	*	*	*	(m)		
028	57	55.61	N	169	19.18	W	07	MAY	16	09	12	3.589		03		150	18				67	M4W	
SBE 9+ 09P34480-0772 PRESS SN 772 PRI TEMP SN 2376 SEC TEMP SN 4379 PRI COND SN 2985 SEC COND St 3127											FLUOR S/N SBE43-Oxy (prim) 1961 SBE43-Oxy (sec) 1875 Transmissometer PAR S/N 70296 Turbidity 2057											REMARKS MAX. DEPTH = 62	
Nis	DEPTH	Rosette Notes			Hydro Team-PMEL			Chlorophyll			EMA			UAF		Comments			Nis				
No.	DESIRED				SALT	Nut.Btl	O2-Btl.No	Chloro->10	Chloro-GFF	Duplicates			DIC				No.						
1	Bot					187	37										1						
2	50					188			✓								2						
3	40					189			✓								3						
4	30					190			✓								4						
5	20					191			✓								5						
6	10					192			✓								6						
7	0					193			✓								7						
8																	8						
9																	9						
10																	10						
11																	11						
12																	12						

SST=

SSSal=

TSG Chl Sample:

VESSEL NOAAS OSCAR DYSON			CRUISE DY1606 DY1606			PROJECT & LEG Eco-FOCI 2016 Spring Mooring Cruise			CLAMS Event #:			STATION NO. 33									
CONSC CAST #	LATITUDE		LONGITUDE		TIME (GMT)			DRY BULB	Relative Humidity	Barometric pressure	SEA STATE	VISIBILITY	WIND DIRN.	WIND SPD.	CLOUD (amt)	TYPE	WEATHER	BOTTO M DEPTH	STA. NAME/ID		
	DEG	MIN	DEG	MIN	DAY	MO	YR	HR	MIN	(°C)	(%)	(mb)	*	(deg)	(kts)	*	*	(m)			
029	57	54.44 N	169	30.07 W	07	MAY	16	10	17	3.7	90.	02		133	20			69	70M23		
SBE 9+ 09P34480-0772 PRESS SN 772 PRI TEMP SN 2376 SEC TEMP SN 4379 PRI COND SN 2985 SEC COND SN 3127										FLUOR S/N SBE43-Oxy (prim) 1961 SBE43-Oxy (sec) 1875 Transmissometer PAR S/N 70296 Turbidity 2057										REMARKS MAX. DEPTH = 64	
Nis	DEPTH	Rosette Notes	Hydro Team-PMEL			Chlorophyll	EMA			UAF	Comments			Nis							
No.	DESIRED		SALT	Nut.Btl	O2-Btl No	Chloro->10	Chloro-GFF	Duplicates	DIC				No.								
1	Bot			194									1								
2	50			195			✓						2								
3	40			196			✓						3								
4	30			197			✓						4								
5	20			198			✓						5								
6	10			199			✓						6								
7	0		443	200	172		✓						7								
8													8								
9													9								
10													10								
11													11								
12													12								

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SSSal=

TSG Chl Sample:

VESSEL NOAAS OSCAR DYSON				CRUISE DY1606 DY1606				PROJECT & LEG Eco-FOCI 2016 Spring Mooring Cruise				CLAMS Event #:				STATION NO. 34																											
CONSC CAST #	LATITUDE			LONGITUDE			TIME (GMT)			DRY BULB	Relative Humidity	Barometric pressure	SEA STATE	VISIBILITY	WIND DIRN.	WIND SPD.	CLOUD (amt)	TYPE	WEATHER	BOTTO M DEPTH	STA. NAME/ID																						
	DEG	MIN		DEG	MIN		DAY	MO	YR	HR	MIN	(°C)	(%)	(mb)	*	*	(deg)	(kts)	*	*	(m)																						
030	S	02.65	N	16	40.38	W	07	MAY	16	11	27	3.7	92.	02			127	22			70	70M24																					
SBE 9+ 09P34480-0772 PRESS SN 772 PRI TEMP SN 2376 SEC TEMP SN 4379 PRI COND SN 2985 SEC COND SN 3127											FLUOR S/N SBE43-Oxy (prim) 1961 SBE43-Oxy (sec) 1875 Transmissometer PAR S/N 70296 Turbidity 2057											REMARKS Many copepods on Chl filters Chaetoceros numerous + loose spines (or pennate diatoms) Could not see pigment in spines - Based on sample from 200 net.											MAX. DEPTH = 66										
Nis	DEPTH	Rosette Notes				Hydro Team-PMEL				Chlorophyll				EMA				UAF				Comments				Nis																	
No.	DESIRED					SALT	Nut.Btl	O2-Btl.No	Chloro->10				Chloro-GFF				Duplicates				DIC				Coccoliths				No.														
1	Bot						201	168																1																			
2	50						202					283											2																				
3	40						203					285											3																				
4	30						204					289											4																				
5	20						205					283											5																				
6	10						206					279											6																				
7	0						207					283											7																				
8																							8																				
9																							9																				
10																							10																				
11																							11																				
12																							12																				

SST=

SSSal=

TSG Chl Sample:

VESSEL NOAAS OSCAR DYSON			CRUISE DY1606 DY1606			PROJECT & LEG Eco-FOCI 2016 Spring Mooring Cruise			CLAMS Event #:			STATION NO. 35																													
CONSC CAST #	LATITUDE		LONGITUDE		TIME (GMT)		DRY BULB	Relative Humidity	Barometric pressure	SEA STATE	VISIBILITY	WIND DIRN.	WIND SPD.	CLOUD (amt)	TYPE	WEATHER	BOTTO M DEPTH	STA. NAME/ID																							
	DEG	MIN	DEG	MIN	DAY	MO	YR	HR	MIN	(°C)	(%)	(mb)	*	*	(deg)	(kts)	*	*																							
031	58	09.31 N	169	54.83 W	07	MAY	16	12	59	3.7	94	00			129	22		71																							
<table border="1"> <tr> <td>SBE 9+</td> <td>09P34480-0772</td> <td>FLUOR S/N</td> <td></td> </tr> <tr> <td>PRESS SN</td> <td>772</td> <td>SBE43-Oxy (prim 1961</td> <td></td> </tr> <tr> <td>PRI TEMP SN</td> <td>2376</td> <td>SBE43-Oxy (sec) 1875</td> <td></td> </tr> <tr> <td>SEC TEMP SN</td> <td>4379</td> <td>Transmissometer</td> <td></td> </tr> <tr> <td>PRI COND SN</td> <td>2985</td> <td>PAR S/N</td> <td>70296</td> </tr> <tr> <td>SEC COND SN</td> <td>3127</td> <td>Turbidity</td> <td>2057</td> </tr> </table>																		SBE 9+	09P34480-0772	FLUOR S/N		PRESS SN	772	SBE43-Oxy (prim 1961		PRI TEMP SN	2376	SBE43-Oxy (sec) 1875		SEC TEMP SN	4379	Transmissometer		PRI COND SN	2985	PAR S/N	70296	SEC COND SN	3127	Turbidity	2057
SBE 9+	09P34480-0772	FLUOR S/N																																							
PRESS SN	772	SBE43-Oxy (prim 1961																																							
PRI TEMP SN	2376	SBE43-Oxy (sec) 1875																																							
SEC TEMP SN	4379	Transmissometer																																							
PRI COND SN	2985	PAR S/N	70296																																						
SEC COND SN	3127	Turbidity	2057																																						
REMARKS																																									
MAX. DEPTH = 67																																									
Nis	DEPTH	Rosette Notes	Hydro Team-PMEL			Chlorophyll	EMA			UAF	Comments			Nis																											
No.	DESIRED		SALT	Nut.Btl	O2-Btl.No	Chloro->10	Chloro-GFF	Duplicates	DIC					No.																											
1	30			208										1																											
2	50			209			283							2																											
3	40			210			285							3																											
4	30			211			289							4																											
5	20			212			283							5																											
6	10			213			279							6																											
7	0			214	161		283							7																											
8														8																											
9														9																											
10														10																											
11														11																											
12														12																											

SST=

SSSal=

TSG Chl Sample:

VESSEL NOAAS OSCAR DYSON				CRUISE DY1606 DY1606				PROJECT & LEG Eco-FOCI 2016 Spring Mooring Cruise				CLAMS Event #:				STATION NO. 36						
CONSC CAST #	LATITUDE			LONGITUDE			TIME (GMT)			DRY BULB	Relative Humidity	Barometric 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)	(%)	(mb)	*	*	(deg)	(kts)	*	*	(m)	
032	58	17.12	N	170	05.31	W	07	MAY	16	14	19	3.9	95	00			133	2-2			72	70M26
SBE 9+		09P34480-0772				FLUOR S/N		REMARKS MAX. DEPTH = 66.8														
PRESS SN		772				SBE43-Oxy (prim 1961)																
PRI TEMP SN		2376				SBE43-Oxy (sec) 1875																
SEC TEMP SN		4379				Transmissometer																
PRI COND SN		2985				PAR S/N 70296																
SEC COND SN		3127				Turbidity 2057																
Nis	DEPTH	Rosette Notes			Hydro Team-PMEL			Chlorophyll	EMA			UAF	FA	Comments			Nis					
No.	DESIRED				SALT	Nut.Btl	O2-Btl.No	Chloro->10	Chloro-GFF	Duplicates	DIC	(Fatty Acid)				No.						
1	BOT					215	220								1							
2	50					216			289						2							
3	40					217			285						3							
4	30					218			283						4							
5	20					219			283			✓	FA 20m Phyt		5							
6	10					220			277						6							
7	0				444	221			283						7							
8															8							
9															9							
10															10							
11															11							
12															12							

SST=

SSSal=

TSG Chl Sample

VESSEL NOAAS OSCAR DYSON			CRUISE DY1606 DY1606			PROJECT & LEG Eco-FOCI 2016 Spring Mooring Cruise			CLAMS Event #:			STATION NO. 37							
CONSC CAST #	LATITUDE		LONGITUDE		TIME (GMT)		DRY BULB	Relative Humidity	Barometric 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)	(%)	(mb)	*	*	(deg)	(kts)	*	*	
033	58	27.01 N	170	10.90 W	07	MAY	16	15	54	3.9	91	00			130	20		73 70M27	
SBE 9+ 09P34480-0772 PRESS SN 772 PRI TEMP SN 2376 SEC TEMP SN 4379 PRI COND SN 2985 SEC COND SN 3127										FLUOR S/N SBE43-Oxy (prim) 1961 SBE43-Oxy (sec) 1875 Transmissometer PAR S/N 70296 Turbidity 2057									
REMARKS										MAX. DEPTH = 60 m									
Nis	DEPTH	Rosette Notes	Hydro Team-PMEL			Chlorophyll	EMA		UAF			Comments		Nis					
No.	DESIRED		SALT	Nut.Btl	O2-Btl.No	Stack Chloro->10	Chloro-GFF	Duplicates	DIC	Collo			No.						
1	30			222		GFF = 290 nL total + 10	289						1						
2	50			223		2	285						2						
3	40			224		290	283						3						
4	30			225		283							4						
5	20			226		279							5						
6	10			227		283							6						
7	0			228 215						✓			7						
8													8						
9													9						
10													10						
11													11						
12													12						

SST=

SSSa=

TSG Chl Sample:

VESSEL NOAAS OSCAR DYSON			CRUISE DY1606 DY1606			PROJECT & LEG Eco-FOCI 2016 Spring Mooring Cruise			CLAMS Event #:			STATION NO. 38						
CONSC CAST #	LATITUDE		LONGITUDE		TIME (GMT)		DRY BULB	Relative Humidity	Barometric 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)	(%)	(mb)	*	*	(deg)	(kts)	*	*
034	58	37.14 N	170	16.07 W	07	MAY	16	17	08	3.8	92	00			135	21		72 70M28
SBE 9+ 09P34480-0772 FLUOR S/N PRESS SN 772 SBE43-Oxy (prim 1961) PRI TEMP SN 2376 SBE43-Oxy (sec) 1875 SEC TEMP St 4379 Transmissometer PRI COND SN 2985 PAR S/N 70296 SEC COND St 3127 Turbidity 2057										REMARKS PP-expt #3					MAX. DEPTH = 68.8			
Nis	DEPTH	Rosette Notes	Hydro Team-PMEL			Chlorophyll	EMA		UAF	Comments			Nis					
No.	DESIRED		SALT	Nut.Btl	O2-Btl.No	Chloro->10	Chloro-GFF	Duplicates	DIC				No.					
1	130T		445	229	175	Stack + GFF	210						1					
2	50			230		290	283						2					
3	40			231		—	285						3					
4	30			232		290	289						4					
5	20			233		—	283						5					
6	10			234		290	279						6					
7	0			235		290	283						7					
8													8					
9													9					
10													10					
11													11					
12													12					

SST=

SSSal=

TSG Chl Sample:

VESSEL NOAAS OSCAR DYSON				CRUISE DY1606 DY1606				PROJECT & LEG Eco-FOCI 2016 Spring Mooring Cruise				CLAMS Event #:				STATION NO. 39						
CONSC CAST #	LATITUDE			LONGITUDE			TIME (GMT)			DRY BULB	Relative Humidity	Barometric 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)	(%)	(mb)	*	*	(deg)	(kts)	*	*	(m)	
035	58	46	.55 N	170	17	.47 W	27	MAY	16	18	34	3.6	92	50			118	21			71	70M29
SBE 9+ 09P34480-0772 PRESS SN 772 PRI TEMP SN 2376 SEC TEMP SN 4379 PRI COND SN 2985 SEC COND SN 3127										FLUOR S/N SBE43-Oxy (prim 1961) SBE43-Oxy (sec) 1875 Transmissometer PAR S/N 70296 Turbidity 2057										REMARKS MAX. DEPTH = 65		
Nis	DEPTH	Rosette Notes			Hydro Team-PMEL			Chlorophyll			EMA			UAF			Comments			Nis		
No.	DESIRED				SALT	Nut.Btl	O2-Btl.No	Chloro->10			Chloro-GFF	Duplicates	DIC			Collo			No.			
1	BOT					236													1			
2	50					237					283								2			
3	40					238					285								3			
4	30					239					289								4			
5	20					240					283								5			
6	10					241					279								6			
7	0					242	197				283					✓			7			
8																			8			
9																			9			
10																			10			
11																			11			
12																			12			

SST=

SSSal=

TSG Chl Sample:

VESSEL NOAAS OSCAR DYSON			CRUISE DY1606 DY1606			PROJECT & LEG Eco-FOCI 2016 Spring Mooring Cruise			CLAMS Event #:			STATION NO. 40									
CONSC CAST #	LATITUDE		LONGITUDE		TIME (GMT)			DRY BULB	Relative Humidity	Barometric 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)	(%)	(mb)	*	(deg)	(kts)	*	*	(m)			
036	58	56.76	N	170	19.07	W	7	MAY	16	2000	3.5	92	11	118	21			70	70M30		
SBE 9+ 09P34480-0772 PRESS SN 772 PRI TEMP SN 2376 SEC TEMP SN 4379 PRI COND SN 2985 SEC COND SN 3127										FLUOR S/N SBE43-Oxy (prim) 1961 SBE43-Oxy (sec) 1875 Transmissometer PAR S/N 70296 Turbidity 2057										REMARKS MAX. DEPTH = 63	
Nis	DEPTH	Rosette Notes		Hydro Team-PMEL			Chlorophyll	EMA			UAF	Comments			Nis						
No.	DESIRED			SALT	Nut.Btl	O2-Btl.No	Chloro->10	Chloro-GFF	Duplicates	DIC				No.							
1	BOT				243	277		138						1							
2	50				244			138						2							
3	40				245			136						3							
4	30				246			137						4							
5	20				247			137						5							
6	10				248			137						6							
7	0			446	249			138						7							
8														8							
9														9							
10														10							
11														11							
12														12							

SST=

SSSal=

TSG Chl Sample:

VESSEL NOAAS OSCAR DYSON				CRUISE DY1606 DY1606				PROJECT & LEG Eco-FOCI 2016 Spring Mooring Cruise				CLAMS Event #:				STATION NO. 41																	
CONSC CAST #	LATITUDE			LONGITUDE			TIME (GMT)			DRY BULB	Relative Humidity	Barometric 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)	(%)	(mb)	*	*	(deg)	(kts)	*	*	(m)												
037	54	06	.41 N	170	14	.60 W	07	MAY	16	21	46	3.7		01			123	18			67	70M31											
SBE 9+ 09P34480-0772 PRESS SN 772 PRI TEMP SN 2376 SEC TEMP SN 4379 PRI COND SN 2985 SEC COND SN 3127											FLUOR S/N SBE43-Oxy (prim 1961) SBE43-Oxy (sec) 1875 Transmissometer PAR S/N 70296 Turbidity 2057											REMARKS GoPro 3											MAX. DEPTH = 60
Nis	DEPTH	Rosette Notes			Hydro Team-PMEL			Chlorophyll			EMA			UAF			Comments			Nis													
No.	DESIRED				SALT	Nut.Btl	O2-Btl.No	Chloro->10			Chloro-GFF	Duplicates	DIC			Cocco			No.														
1	80					250				138									1														
2	50					251				138									2														
3	40					252				136									3														
4	30					253				137									4														
5	20					254				137									5														
6	10					255				137									6														
7	0					256	265			138								✓	7														
8																			8														
9																			9														
10																			10														
11																			11														
12																			12														

SST=

SSSal=

TSG Chl Sample:

VESSEL NOAAS OSCAR DYSON				CRUISE DY1606 DY1606				PROJECT & LEG Eco-FOCI 2016 Spring Mooring Cruise				CLAMS Event #:				STATION NO. 42																
CONSC CAST #	LATITUDE			LONGITUDE			TIME (GMT)			DRY BULB	Relative Humidity	Barometric 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)	(%)	(mb)	*	*	(deg)	(kts)	*	*	(m)											
038	59	14.92	N	170	24.72	W	07	MAY	16	22	59	3.4	73	01			123	20			67	70M3Z										
SBE 9+ 09P34480-0772 PRESS SN 772 PRI TEMP SN 2376 SEC TEMP SN 4379 PRI COND SN 2985 SEC COND SN 3127											FLUOR S/N SBE43-Oxy (prim 1961) SBE43-Oxy (sec) 1875 Transmissometer PAR S/N 70296 Turbidity 2057											REMARKS GOPRO 4 MAX. DEPTH = 61										
Nis	DEPTH	Rosette Notes		Hydro Team-PMEL			Chlorophyll			EMA			UAF				Comments			Nis												
No.	DESIRED			SALT	Nut.Btl	O2-Btl.No	Chloro->10	Chloro-GFF	Duplicates			DIC			FA					No.												
1	200			447	257	243														1												
2	50				258			138												2												
3	40				259			136												3												
4	30				260			137												4												
5	20				261			137												5												
6	10				262			137									✓ Fatty acid phyt *			6												
7	0				263			138												7												
8																				8												
9																				9												
10																				10												
11																				11												
12																				12												

SST=

SSSal=

TSG Chl Sample:

* Fatty acid for 333 + 150 for 200

VESSEL NOAAS OSCAR DYSON				CRUISE DY1606 DY1606				PROJECT & LEG Eco-FOCI 2016 Spring Mooring Cruise				CLAMS Event #:				STATION NO. 43																
CONSC CAST #	LATITUDE			LONGITUDE			TIME (GMT)			DRY BULB	Relative Humidity	Barometric 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)	(%)	(mb)	*	*	(deg)	(kts)	*	*	(m)											
039	59	20.21	N	170	39.90	W	08	MAY	16	00	20	3.3	94	02			111	22			6970U33											
SBE 9+ 09P34480-0772 PRESS SN 772 PRI TEMP SN 2376 SEC TEMP SN 4379 PRI COND SN 2985 SEC COND SN 3127											FLUOR S/N SBE43-Oxy (prim 1961) SBE43-Oxy (sec) 1875 Transmissometer PAR S/N 70296 Turbidity 2057											REMARKS MAX. DEPTH = 63										
Nis	DEPTH	Rosette Notes			Hydro Team-PMEL			Chlorophyll			EMA			UAF			Comments			Nis												
No.	DESIRED				SALT	Nut.Btl	O2-Btl. No	Chloro->10			Chloro-GFF	Duplicates	DIC			Cocco			No.													
1	Bot					264													1													
2	50					265													2													
3	40					266													3													
4	30					267													4													
5	20					268													5													
6	10					269													6													
7	0					270	241												7													
8																			8													
9																			9													
10																			10													
11																			11													
12																			12													

SST=

SSSal=

TSG Chl Sample:

VESSEL NOAAS OSCAR DYSON			CRUISE DY1606 DY1606			PROJECT & LEG Eco-FOCI 2016 Spring Mooring Cruise			CLAMS Event #:			STATION NO. 44								
CONSC CAST #	LATITUDE		LONGITUDE		TIME (GMT)			DRY BULB	Relative Humidity	Barometric 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)	(%)	(mb)	*	(deg)	(kts)	*	*	(m)		
040	59	26.33	N	170	54.47	W	08	MAY	16	01	40	2.8	96	01			105	18	71	70M34
SBE 9+ 09P34480-0772		FLUOR S/N		REMARKS MAX. DEPTH = 65 low fluorescence, turbidity on bottom below 40m bongo not done due to broken flow meter wire																
PRESS SN 772		SBE43-Oxy (prim 1961)																		
PRI TEMP SN 2376		SBE43-Oxy (sec) 1875																		
SEC TEMP SN 4379		Transmissometer																		
PRI COND SN 2985		PAR S/N 70296																		
SEC COND SI 3127		Turbidity 2057																		
Nis	DEPTH	Rosette Notes	Hydro Team-PMEL			Chlorophyll	EMA			UAF	Comments			Nis						
No.	DESIRED		SALT	Nut.Btl	O2-Btl.No	Chloro->10	Chloro-GFF	Duplicates	DIC				No.							
1	Bot		448	271	360								1							
2	50			272			✓						2							
3	40			273			✓						3							
4	30			274			✓						4							
5	20			275			✓						5							
6	10			276			✓						6							
7	0			277			✓						7							
8													8							
9													9							
10													10							
11													11							
12													12							

SST=

SSSal=

TSG Chl Sample:

VESSEL NOAAS OSCAR DYSON			CRUISE DY1606 DY1606			PROJECT & LEG Eco-FOCI 2016 Spring Mooring Cruise			CLAMS Event #:			STATION NO. 45																															
CONSC CAST #	LATITUDE		LONGITUDE		TIME (GMT)		DRY BULB	Relative Humidity	Barometric 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)	(%)	(mb)	*	*	(deg)	(kts)	*	*																									
	041	59.35	93	N	170	55.49	W	08	MAY	16	0247	2.6	97	01		116	19	72	70M35																								
<table border="1"> <tr> <td>SBE 9+</td> <td>09P34480-0772</td> <td>FLUOR S/N</td> <td></td> <td rowspan="6">REMARKS</td> <td rowspan="6">MAX. DEPTH = 65</td> </tr> <tr> <td>PRESS SN</td> <td>772</td> <td>SBE43-Oxy (prim 1961</td> <td></td> </tr> <tr> <td>PRI TEMP SN</td> <td>2376</td> <td>SBE43-Oxy (sec) 1875</td> <td></td> </tr> <tr> <td>SEC TEMP SN</td> <td>4379</td> <td>Transmissometer</td> <td></td> </tr> <tr> <td>PRI COND SN</td> <td>2985</td> <td>PAR S/N</td> <td>70296</td> </tr> <tr> <td>SEC COND SI</td> <td>3127</td> <td>Turbidity</td> <td>2057</td> </tr> </table>																		SBE 9+	09P34480-0772	FLUOR S/N		REMARKS	MAX. DEPTH = 65	PRESS SN	772	SBE43-Oxy (prim 1961		PRI TEMP SN	2376	SBE43-Oxy (sec) 1875		SEC TEMP SN	4379	Transmissometer		PRI COND SN	2985	PAR S/N	70296	SEC COND SI	3127	Turbidity	2057
SBE 9+	09P34480-0772	FLUOR S/N		REMARKS	MAX. DEPTH = 65																																						
PRESS SN	772	SBE43-Oxy (prim 1961																																									
PRI TEMP SN	2376	SBE43-Oxy (sec) 1875																																									
SEC TEMP SN	4379	Transmissometer																																									
PRI COND SN	2985	PAR S/N	70296																																								
SEC COND SI	3127	Turbidity	2057																																								
Nis	DEPTH	Rosette Notes	Hydro Team-PMEL			Chlorophyll	EMA		UAF		Comments		Nis																														
No.	DESIRED		SALT	Nut. Bl	O2-Btl. No	Chloro->10	Chloro-GFF	Duplicates	DIC		Cocco + FA	No.																															
1	Bot			278		Stack Chla	Small Bottle					1																															
2	50			279								2																															
3	40			280								3																															
4	30			281		290						4																															
5	20			282								5																															
6	10			283		290				✓	FA Phyt at 10m	6																															
7	0		449	284						✓	Cocco at 0m	7																															
8												8																															
9												9																															
10												10																															
11												11																															
12												12																															

SST=

SSSal=

TSG Chl Sample:

VESSEL NOAAS OSCAR DYSON			CRUISE DY1606 DY1606			PROJECT & LEG Eco-FOCI 2016 Spring Mooring Cruise			CLAMS Event #:			STATION NO. 46																	
CONSC CAST #	LATITUDE		LONGITUDE		TIME (GMT)			DRY BULB	Relative Humidity	Barometric 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)	(%)	(mb)	*	(deg)	(kts)	*	*	(m)											
042	59	43.06	N	171	08	29	W	08	MAY	16	0406	2.3	98	01				103	19	72	70M36								
SBE 9+ 09P34480-0772 PRESS SN 772 PRI TEMP SN 2376 SEC TEMP SN 4379 PRI COND SN 2985 SEC COND SI 3127										FLUOR S/N SBE43-Oxy (prim 1961) SBE43-Oxy (sec) 1875 Transmissometer PAR S/N 70296 Turbidity 2057										REMARKS MAX DEPTH = 67									
Nis	DEPTH	Rosette Notes		Hydro Team-PMEL			Chlorophyll		EMA		UAF				Comments		Nis												
No.	DESIRED			SALT	Nut.Btl	O2-Btl.No	Chloro->10	Chloro-GFF	Duplicates	DIC						No.													
1	807				285			Large	Bottles							1													
2	50				286			✓								2													
3	40				287			✓								3													
4	30				288			✓								4													
5	20				289			✓								5													
6	10				290			✓								6													
7	0			449	291			✓								7													
8																8													
9																9													
10																10													
11																11													
12																12													

SST=

SSSal=

TSG Chl Sample:

VESSEL NOAAS OSCAR DYSON			CRUISE DY1606 DY1606			PROJECT & LEG Eco-FOCI 2016 Spring Mooring Cruise			CLAMS Event #:			STATION NO. 47																														
CONSC CAST #	LATITUDE		LONGITUDE		TIME (GMT)		DRY BULB	Relative Humidity	Barometric 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)	(%)	(mb)	*	*	(deg)	(kts)	*	*																								
043	59	42.14 N	171	29.79 W	08	MAY	16	05	40	2.3	98	01			117	15		74 M55																								
<table border="1"> <tr> <td>SBE 9+</td> <td>09P34480-0772</td> <td>FLUOR S/N</td> <td></td> <td rowspan="6">REMARKS MAX. DEPTH = 70</td> </tr> <tr> <td>PRESS SN</td> <td>772</td> <td>SBE43-Oxy (prim)</td> <td>1961</td> </tr> <tr> <td>PRI TEMP SN</td> <td>2376</td> <td>SBE43-Oxy (sec)</td> <td>1875</td> </tr> <tr> <td>SEC TEMP SN</td> <td>4379</td> <td>Transmissometer</td> <td></td> </tr> <tr> <td>PRI COND SN</td> <td>2985</td> <td>PAR S/N</td> <td>70296</td> </tr> <tr> <td>SEC COND SI</td> <td>3127</td> <td>Turbidity</td> <td>2057</td> </tr> </table>																		SBE 9+	09P34480-0772	FLUOR S/N		REMARKS MAX. DEPTH = 70	PRESS SN	772	SBE43-Oxy (prim)	1961	PRI TEMP SN	2376	SBE43-Oxy (sec)	1875	SEC TEMP SN	4379	Transmissometer		PRI COND SN	2985	PAR S/N	70296	SEC COND SI	3127	Turbidity	2057
SBE 9+	09P34480-0772	FLUOR S/N		REMARKS MAX. DEPTH = 70																																						
PRESS SN	772	SBE43-Oxy (prim)	1961																																							
PRI TEMP SN	2376	SBE43-Oxy (sec)	1875																																							
SEC TEMP SN	4379	Transmissometer																																								
PRI COND SN	2985	PAR S/N	70296																																							
SEC COND SI	3127	Turbidity	2057																																							
Nis	DEPTH	Rosette Notes	Hydro Team-PMEL			Chlorophyll	EMA		UAF			Comments		Nis																												
No.	DESIRED		SALT	Nut.Btl	O2-Btl.No	Chloro->10	Chloro-GFF	Duplicates	DIC					No.																												
1	Bot			292										1																												
2	50			293			✓							2																												
3	40			294			✓							3																												
4	30			295			✓							4																												
5	20			296			✓							5																												
6	10			297			✓							6																												
7	0			298	361		✓							7																												
8														8																												
9														9																												
10														10																												
11														11																												
12														12																												

SST=

SSSal=

TSG Chl Sample:

VESSEL NOAAS OSCAR DYSON				CRUISE DY1606 DY1606				PROJECT & LEG Eco-FOCI 2016 Spring Mooring Cruise				CLAMS Event #:				STATION NO. 48				
CONSC CAST #	LATITUDE			LONGITUDE			TIME (GMT)			DRY BULB	Relative Humidity	Barometric pressure	SEA STATE	VISIBILITY	WIND DIRN.	WIND SPD.	CLOUD (amt)	WEATHER	BOTTOM DEPTH	STA. NAME/ID
	DEG	MIN		DEG	MIN		DAY	MO	YR	HR	MIN	(°C)	(%)	(mb)	*	*	(deg)	(kts)	*	*
044	59	53.80	N	171	15.51	W	08	MAY	16	07	18	1.8	99	02			97	15		
SBE 9+ 09P34480-0772 FLUOR S/N PRESS SN 772 SBE43-Oxy (prim 1961 PRI TEMP SN 2376 SBE43-Oxy (sec) 1875 SEC TEMP SN 4379 Transmissometer PRI COND SN 2985 PAR S/N 70296 SEC COND SN 3127 Turbidity 2057										REMARKS MAX. DEPTH = 65										
Nis	DEPTH	Rosette Notes			Hydro Team-PMEL			Chlorophyll			EMA			UAF			Comments			Nis
No.	DESIRED				SALT	Nut.BI	O2-Btl.No	Chloro->10			Chloro-GFF	Duplicates	DIC						No.	
1	BOT				450	299	362												1	
2	50					300					✓								2	
3	40					301					✓								3	
4	30					302					✓								4	
5	20					303					✓								5	
6	10					304					✓								6	
7	0					305					✓								7	
8																			8	
9																			9	
10																			10	
11																			11	
12																			12	

SST=

SSSal=

TSG Chl Sample:

VESSEL NOAAS OSCAR DYSON			CRUISE DY1606 DY1606			PROJECT & LEG Eco-FOCI 2016 Spring Mooring Cruise			CLAMS Event #:			STATION NO. 49							
CONSC CAST #	LATITUDE		LONGITUDE		TIME (GMT)			DRY BULB	Relative Humidity	Barometric 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)	(%)	(mb)	*	(deg)	(kts)	*	*	(m)	
045	59	53.53 N	171	42.53 W	08	MAY	16	10	37	1.8	099	01		118	12			66	MS-Center
SBE 9+ 09P34480-0772		FLUOR S/N		REMARKS MAX. DEPTH = 71															
PRESS SN 772		SBE43-Oxy (prim 1961)																	
PRI TEMP SN 2376		SBE43-Oxy (sec) 1875																	
SEC TEMP SN 4379		Transmissometer																	
PRI COND SN 2985		PAR S/N 70296																	
SEC COND SN 3127		Turbidity 2057																	
Nis	DEPTH	Rosette Notes	Hydro Team-PMEL			Chlorophyll	EMA			UAF	Comments			Nis					
No.	DESIRED		SALT	Nut. Btl	O2-Btl. No	Chloro->10	Chloro-GFF	Duplicates	DIC				No.						
1	Bot			306									1						
2	50			307									2						
3	40			308									3						
4	30			309									4						
5	20			310									5						
6	10			311									6						
7	0			312 x 363									7						
8													8						
9													9						
10													10						
11													11						
12													12						

SST=

SSSal=

TSG Chl Sample:

VESSEL NOAAS OSCAR DYSON				CRUISE DY1606 DY1606				PROJECT & LEG Eco-FOCI 2016 Spring Mooring Cruise				CLAMS Event #:				STATION NO. 50																
CONSC CAST #	LATITUDE			LONGITUDE			TIME (GMT)			DRY BULB	Relative Humidity	Barometric 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)	(%)	(mb)	*	*	(deg)	(kts)	*	*	(m)											
04660	04	48	N	172	00	31	08	MAY	16	13	32	1.1	79	01			117	12			64	M5N										
SBE 9+ 09P34480-0772 PRESS SN 772 PRI TEMP SN 2376 SEC TEMP SN 4379 PRI COND SN 2985 SEC COND SN 3127											FLUOR S/N SBE43-Oxy (prim 1961) SBE43-Oxy (sec) 1875 Transmissometer PAR S/N 70296 Turbidity 2057											REMARKS MAX. DEPTH = 59										
Nis	DEPTH	Rosette Notes			Hydro Team-PMEL			Chlorophyll			EMA			UAF			Comments			Nis												
No.	DESIRED				SALT	Nut.Btl	O2-Btl.No	Chloro->10	Chloro-GFF	Duplicates	DIC									No.												
1	1307				451	313	X													1												
2	80					314			138											2												
3	40					315			136											3												
4	30					316			137											4												
5	20					317			137											5												
6	10					318			137											6												
7	0					319	364		138											7												
8																				8												
9																				9												
10																				10												
11																				11												
12																				12												

SST=

SSSal=

TSG Chl Sample:

VESSEL NOAAS OSCAR DYSON			CRUISE DY1606 DY1606			PROJECT & LEG Eco-FOCI 2016 Spring Mooring Cruise			CLAMS Event #:			STATION NO. 51																	
CONSC CAST #	LATITUDE		LONGITUDE		TIME (GMT)			DRY BULB	Relative Humidity	Barometric 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)	(%)	(mb)	*	(deg)	(kts)	*	*	(m)											
047	59	53.99 N	172	09.87 W	08	MAY	16	15	32	1.3	99	01		136	7.1			74	70M39USW										
SBE 9+ 09P34480-0772 PRESS SN 772 PRI TEMP SN 2376 SEC TEMP SN 4379 PRI COND SN 2985 SEC COND SI 3127										FLUOR S/N SBE43-Oxy (prim 1961 SBE43-Oxy (sec) 1875 Transmissometer PAR S/N 70296 Turbidity 2057										REMARKS MAX. DEPTH = 67									
Nis	DEPTH	Rosette Notes	Hydro Team-PMEL			Chlorophyll	EMA			UAF	Comments			Nis															
No.	DESIRED		SALT	Nut.Btl	O2-Btl.No	Chloro->10	Chloro-GFF	Duplicates	DIC				No.																
1	BOT			320	365								1																
2	50			321									2																
3	40			322									3																
4	30			323									4																
5	20			324									5																
6	10			325									6																
7	0			326									7																
8													8																
9													9																
10													10																
11													11																
12													12																

SST=

SSSal=

TSG Chl Sample:

VESSEL NOAAS OSCAR DYSON			CRUISE DY1606 DY1606			PROJECT & LEG Eco-FOCI 2016 Spring Mooring Cruise			CLAMS Event #:			STATION NO.							
CONSC CAST #	LATITUDE		LONGITUDE		TIME (GMT)		DRY BULB	Relative Humidity	Barometric pressure	SEA STATE	VISIBILITY	WIND DIRN.	WIND SPD.	CLOUD (amt)	TYPE	WEATHER	BOTTOM DEPTH	52 STA. NAME/ID	
	DEG	MIN	DEG	MIN	DAY	MO	YR	HR	MIN	(°C)	(%)	(mb)	*	*	(deg)	(kts)	*	*	
040	59	54.79	N	172	26	00	W	08	MAY 16	1658	1.4	99	01		150	11		24	70M40
SBE 9+ 09P34480-0772		FLUOR S/N		REMARKS GoPro 5										MAX DEPTH = 68					
PRESS SN 772		SBE43-Oxy (prim) 1961																	
PRI TEMP SN 2376		SBE43-Oxy (sec) 1875																	
SEC TEMP SN 4379		Transmissometer																	
PRI COND SN 2985		PAR S/N 70296																	
SEC COND SN 3127		Turbidity 2057																	
Nis	DEPTH	Rosette Notes	Hydro Team-PMEL			Chlorophyll	EMA			UAF	Comments			Nis					
No.	DESIRED		SALT	Nut.Btl	O2-Btl.No	Chloro->10	Chloro-GFF	Duplicates	DIC				No.						
1	80			327									1						
2	50			328			136						2						
3	40			329			136						3						
4	30			330			137						4						
5	20			331			137						5						
6	10			332			137						6						
7	0		452	333	366		138						7						
8													8						
9													9						
10													10						
11													11						
12													12						

SST=

SSSal=

TSG Chl Sample:

VESSEL NOAAS OSCAR DYSON		CRUISE DY1606 DY1606		PROJECT & LEG Eco-FOCI 2016 Spring Mooring Cruise		CLAMS Event #:		STATION NO. 53												
CONSC CAST #	LATITUDE		LONGITUDE		TIME (GMT)		DRY BULB	Relative Humidity	Barometric 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)	(%)	(mb)	*	(deg)	(kts)	*	*	(m)		
049	59	58.67 _N	172	44.38 _W	08	MAY	16	18	33	0.8	99	02		180	11			6970M41		
SBE 9+ 09P34480-0772		FLUOR S/N		REMARKS COCCO, OM - EISNER PP Expt #4 High Fluor = lots of phyt															MAX. DEPTH = 64	
PRESS SN 772		SBE43-Oxy (prim 1961)																		
PRI TEMP SN 2376		SBE43-Oxy (sec) 1875																		
SEC TEMP SN 4379		Transmissometer																		
PRI COND SN 2985		PAR S/N 70296																		
SEC COND SN 3127		Turbidity 2057																		
Nis No.	DEPTH	Rosette Notes	Hydro Team-PMEL			Chlorophyll	EMA			UAF				Comments			Nis No.			
	DESIRED		SALT	Nut. Btl	O2-Btl. No	Chloro->10	Chloro-GFF	Duplicates	DIC	Cocco										
1	BOT			334	367	Stack	Small bottles									1				
2	50			335		290	✓									2				
3	40			336		1	✓									3				
4	30			337			✓									4				
5	20			338			✓									5				
6	10			339			✓									6				
7	0			340			✓							✓		7				
8																8				
9																9				
10																10				
11																11				
12																12				

SST=

SSSal=

TSG Chl Sample:

VESSEL NOAAS OSCAR DYSON			CRUISE DY1606 DY1606			PROJECT & LEG Eco-FOCI 2016 Spring Mooring Cruise			CLAMS Event #:			STATION NO. 54							
CONSC CAST #	LATITUDE		LONGITUDE		TIME (GMT)		DRY BULB	Relative Humidity	Barometric 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)	(%)	(mb)	*	(deg)	(kts)	*	*	(m)	
050	60	02.25 N	173	00.14 W	08	MAY	16	17	46	0.9	100	02		19	12			6870M42	
SBE 9+ 09P34480-0772 PRESS SN 772 PRI TEMP SN 2376 SEC TEMP SN 4379 PRI COND SN 2985 SEC COND SN 3127										FLUOR S/N SBE43-Oxy (prim 1961) SBE43-Oxy (sec) 1875 Transmissometer PAR S/N 70296 Turbidity 2057									
REMARKS										MAX. DEPTH = 61									
GODM7 Phyto in 150-200 — dominated by <i>Thalassiosira</i> , some <i>Pluerosigma</i> (large pennate) and large centric (<i>coscinodiscus</i> ?), some <i>Rhizosolenia</i>																			
Nis	DEPTH	Rosette Notes	Hydro Team-PMEL			Chlorophyll			EMA			UAF		Comments			Nis		
No.	DESIRED		SALT	Nut.Btl	O2-Btl.No	Chloro->10	Chloro-GFF	Duplicates	DIC	FA						No.			
1	BOT		453	341												1			
2	50			342			138									2			
3	40			343			136									3			
4	30			344			137									4			
5	20			345			137									5			
6	10			346			137			✓						6			
7	0			347	371		138									7			
8																8			
9																9			
10																10			
11																11			
12																12			

SST=

SSSal=

TSG Chl Sample:

VESSEL NOAAS OSCAR DYSON				CRUISE DY1606 DY1606				PROJECT & LEG Eco-FOCI 2016 Spring Mooring Cruise				CLAMS Event #:				STATION NO. 55							
CONSC CAST #	LATITUDE			LONGITUDE			TIME (GMT)			DRY BULB	Relative Humidity	Barometric 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)	(%)	(mb)	*	(deg)	(kts)	*	*	(m)			
051	60	06.04	N	173	18.73	W	08	MAY	16	21	21	1.2	00	02		186	9.3			71.16	70N43		
SBE 9+ 09P34480-0772 PRESS SN 772 PRI TEMP SN 2376 SEC TEMP SN 4379 PRI COND SN 2985 SEC COND SN 3127										FLUOR S/N SBE43-Oxy (prim) 1961 SBE43-Oxy (sec) 1875 Transmissometer PAR S/N 70296 Turbidity 2057										REMARKS GP8		MAX. DEPTH 5.27	
Nis	DEPTH	Rosette Notes		Hydro Team-PMEL			Chlorophyll			EMA			UAF		Comments			Nis					
No.	DESIRED			SALT	Nut.Btl	O2-Btl.No	Chloro->10	Chloro-GFF	Duplicates			DIC				No.							
1	30				348	370	Stuck									1							
2	50				349			138								2							
3	40				350		290*	136								3							
4	30				351			137								4							
5	20				352			137								5							
6	10				353		290*	137								6							
7	0				354			138					✓			7							
8																8							
9																9							
10																10							
11																11							
12																12							

SST=

SSSal=

TSG Chl Sample:

* May have lost a little sample from >10 fraction

VESSEL NOAAS OSCAR DYSON			CRUISE DY1606 DY1606			PROJECT & LEG Eco-FOCI 2016 Spring Mooring Cruise			CLAMS Event #:			STATION NO. 56																																							
CONSC CAST #	LATITUDE		LONGITUDE		TIME (GMT)		DRY BULB	Relative Humidity	Barometric 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)	(%)	(mb)	*	*	(deg)	(kts)	*	*																																	
052	60	15.01 N	173	31.31 W	08	MAY	16	22	41	1.0	100	02			188	10		70																																	
<table border="1"> <tr> <td>SBE 9+</td> <td>09P34480-0772</td> <td>FLUOR S/N</td> <td></td> </tr> <tr> <td>PRESS SN</td> <td>772</td> <td>SBE43-Oxy (prim)</td> <td>1961</td> </tr> <tr> <td>PRI TEMP SN</td> <td>2376</td> <td>SBE43-Oxy (sec)</td> <td>1875</td> </tr> <tr> <td>SEC TEMP SN</td> <td>4379</td> <td>Transmissometer</td> <td></td> </tr> <tr> <td>PRI COND SN</td> <td>2985</td> <td>PAR S/N</td> <td>70296</td> </tr> <tr> <td>SEC COND SN</td> <td>3127</td> <td>Turbidity</td> <td>2057</td> </tr> </table>																		SBE 9+	09P34480-0772	FLUOR S/N		PRESS SN	772	SBE43-Oxy (prim)	1961	PRI TEMP SN	2376	SBE43-Oxy (sec)	1875	SEC TEMP SN	4379	Transmissometer		PRI COND SN	2985	PAR S/N	70296	SEC COND SN	3127	Turbidity	2057										
SBE 9+	09P34480-0772	FLUOR S/N																																																	
PRESS SN	772	SBE43-Oxy (prim)	1961																																																
PRI TEMP SN	2376	SBE43-Oxy (sec)	1875																																																
SEC TEMP SN	4379	Transmissometer																																																	
PRI COND SN	2985	PAR S/N	70296																																																
SEC COND SN	3127	Turbidity	2057																																																
<table border="1"> <tr> <td colspan="15">REMARKS</td> <td>MAX. DEPTH = 63</td> </tr> <tr> <td colspan="18"> SCM @ 26m & 50m Last station on 70m line See ice on starboard Lots of <i>Thalassiosira</i> on 333 200 net - some <i>Chaetoceros</i>, <i>Rhizosolenia</i> + others </td> </tr> </table>																		REMARKS															MAX. DEPTH = 63	SCM @ 26m & 50m Last station on 70m line See ice on starboard Lots of <i>Thalassiosira</i> on 333 200 net - some <i>Chaetoceros</i> , <i>Rhizosolenia</i> + others																	
REMARKS															MAX. DEPTH = 63																																				
SCM @ 26m & 50m Last station on 70m line See ice on starboard Lots of <i>Thalassiosira</i> on 333 200 net - some <i>Chaetoceros</i> , <i>Rhizosolenia</i> + others																																																			
Nis	DEPTH	Rosette Notes	Hydro Team-PMEL			Chlorophyll	EMA			UAF		Phyt	Comments	Nis																																					
No.	DESIRED		SALT	Nut.Btl	O2-Btl.No	Chloro->10	Chloro-GFF	Duplicates	DIC		FA	Colo		No.																																					
1	30			355		Stack	Chla*							1																																					
2	30			356		290	138				✓	✓		2																																					
3	40			357		1	136				✓	✓		3																																					
4	30			358			137				✓	✓		4																																					
5	20			359			137							5																																					
6	10			360			137				✓	✓		6																																					
7	0		454	361	369	✓	138				✓	✓		7																																					
8														8																																					
9														9																																					
10														10																																					
11														11																																					
12														12																																					

SST=

SSSal=

TSG Chl Sample:

* only >10 for 50m sample

VESSEL NOAAS OSCAR DYSON			CRUISE DY1606 DY1606			PROJECT & LEG Eco-FOCI 2016 Spring Mooring Cruise			CLAMS Event #:			STATION NO. 57																																												
CONSC CAST #	LATITUDE		LONGITUDE		TIME (GMT)		DRY BULB	Relative Humidity	Barometric 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)	(%)	(mb)	*	(deg)	(kts)	*	*	(m)																																						
053	55	26.58	N	168	08.20	W	10	MAY	16	1804	5.4	085	100		167	17		222 LL4																																						
<table border="1"> <tr> <td>SBE 9+</td> <td>09P34480-0772</td> <td>FLUOR S/N</td> <td></td> </tr> <tr> <td>PRESS SN</td> <td>772</td> <td>SBE43-Oxy (prim)</td> <td>1961</td> </tr> <tr> <td>PRI TEMP SN</td> <td>2376</td> <td>SBE43-Oxy (sec)</td> <td>1875</td> </tr> <tr> <td>SEC TEMP SN</td> <td>4379</td> <td>Transmissometer</td> <td></td> </tr> <tr> <td>PRI COND SN</td> <td>2985</td> <td>PAR S/N</td> <td>70296</td> </tr> <tr> <td>SEC COND SI</td> <td>3127</td> <td>Turbidity</td> <td>2057</td> </tr> </table>																			SBE 9+	09P34480-0772	FLUOR S/N		PRESS SN	772	SBE43-Oxy (prim)	1961	PRI TEMP SN	2376	SBE43-Oxy (sec)	1875	SEC TEMP SN	4379	Transmissometer		PRI COND SN	2985	PAR S/N	70296	SEC COND SI	3127	Turbidity	2057														
SBE 9+	09P34480-0772	FLUOR S/N																																																						
PRESS SN	772	SBE43-Oxy (prim)	1961																																																					
PRI TEMP SN	2376	SBE43-Oxy (sec)	1875																																																					
SEC TEMP SN	4379	Transmissometer																																																						
PRI COND SN	2985	PAR S/N	70296																																																					
SEC COND SI	3127	Turbidity	2057																																																					
<table border="1"> <tr> <td colspan="18">REMARKS</td> <td>MAX. DEPTH = 200</td> </tr> <tr> <td colspan="18">PP #5</td> <td></td> </tr> </table>																			REMARKS																		MAX. DEPTH = 200	PP #5																		
REMARKS																		MAX. DEPTH = 200																																						
PP #5																																																								
Nis	DEPTH	Rosette Notes	Hydro Team-PMEL			Chlorophyll	EMA			UAF				Comments	Nis																																									
No.	DESIRED		SALT	Nut. Btl	O2-Btl. No	Chloro->10	Chloro-GFF	Duplicates	DIC					No.																																										
1	Bot		X 455	362	037	Stuck								1																																										
2	150			363		Chla								2																																										
3	100			364										3																																										
4	75			365										4																																										
5	50			366		290	283							5																																										
6	40			367		↓	285							6																																										
7	30			368		↓	286							7																																										
8	20			369		↓	283							8																																										
9	10			370		↓	279							9																																										
10	0			371	035	✓	283							10																																										
11														11																																										
12														12																																										

SST=

SSSal=

TSG Chl Sample:

VESSEL NOAAS OSCAR DYSON			CRUISE DY1606 DY1606			PROJECT & LEG Eco-FOCI 2016 Spring Mooring Cruise			CLAMS Event #:			STATION NO. 58						
CONSC CAST #	LATITUDE		LONGITUDE		TIME (GMT)		DRY BULB	Relative Humidity	Barometric 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)	(%)	(mb)	*	(deg)	(kts)	*	(m)	
	054	5522.40	N	16811.07	W	10	MAY	16	1843	5.7	089	1005		178	19		522	LL3
SBE 9+ 09P34480-0772		FLUOR S/N		REMARKS BOTTLE 11 (0m) Leaking - No Samples taken, O ₂ moved to Bottle 1 (Bottom)										MAX. DEPTH =				
PRESS SN 772		SBE43-Oxy (prim 1961)																
PRI TEMP SN 2376		SBE43-Oxy (sec) 1875																
SEC TEMP SN 4379		Transmissometer																
PRI COND SN 2985		PAR S/N 70296																
SEC COND SI 3127		Turbidity 2057																
Nis	DEPTH	Rosette Notes	Hydro Team-PMEL			Chlorophyll	EMA			UAF	Comments			Nis				
No.	DESIRED		SALT	Nut. Btl	O2-Btl. No	Chloro->10	Chloro-GFF	Duplicates	DIC				No.					
1	BOT			372	100								1					
2	400			373	1								2					
3	200			374									3					
4	150			375									4					
5	100			376									5					
6	50			377			283						6					
7	40			378			285						7					
8	30			379			289						8					
9	20			380			283						9					
10	10			381			279						10					
11	0			382	100		283					BOTTLE LEAKED	11					
12													12					

SST=

SSSal=

TSG Chl Sample:

O₂ moved
to BOT

VESSEL NOAAS OSCAR DYSON				CRUISE DY1606 DY1606				PROJECT & LEG Eco-FOCI 2016 Spring Mooring Cruise				CLAMS Event #:				STATION NO. 59					
CONSC CAST #	LATITUDE			LONGITUDE			TIME (GMT)			DRY BULB	Relative Humidity	Barometric 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)	(%)	(mb)	*	(deg)	(kts)	*	*	(m)	
055	55	06.37	N	168	29.06	W	10	MAY	16	21	52	5.7	82	05		187	20			170	LL5
SBE 9+		09P34480-0772		FLUOR S/N		REMARKS MAX. DEPTH = 1779															
PRESS SN		772		SBE43-Oxy (prim 1961)																	
PRI TEMP SN		2376		SBE43-Oxy (sec) 1875																	
SEC TEMP SN		4379		Transmissometer																	
PRI COND SN		2985		PAR S/N 70296																	
SEC COND SI		3127		Turbidity 2057																	
Nis	DEPTH	Rosette Notes		Hydro Team-PMEL			Chlorophyll		EMA			UAF		Comments			Nis				
No.	DESIRED			SALT	Nut.Btl	O2-Btl.No	Chloro->10	Chloro-GFF	Duplicates	DIC					No.						
1	BOT				383									1							
2	750				384									2							
3	500				385									3							
4	250				386									4							
5	100				387									5							
6	50				388			283						6							
7	40				389			289						7							
8	30				390			285						8							
9	20				391			283						9							
10	10				392			279						10							
11	0			456	393	107		283						11							
12														12							

SST=

SSSal=

TSG Chl Sample:

VESSEL NOAAS OSCAR DYSON				CRUISE DY1606 DY1606				PROJECT & LEG Eco-FOCI 2016 Spring Mooring Cruise				CLAMS Event #:				STATION NO. 61									
CONSC CAST #	LATITUDE			LONGITUDE			TIME (GMT)			DRY BULB	Relative Humidity	Barometric 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)	(%)	(mb)	*	*	(deg)	(kts)	*	*	(m)				
	054	49.98	N	168	43.85	W	11	MAY	16	0205		6.1	84	06			195	15			2294	LL6			
SBE 9+ 09P34480-0772 PRESS SN 772 PRI TEMP SN 2376 SEC TEMP SN 4379 PRI COND SN 2985 SEC COND SN 3127											FLUOR S/N SBE43-Oxy (prim 1961) SBE43-Oxy (sec) 1875 Transmissometer PAR S/N 70296 Turbidity 2057											REMARKS PAR removed :		MAX. DEPTH = 1000	
Nis	DEPTH	Rosette Notes		Hydro Team-PMEL			Chlorophyll		EMA		UAF				Comments		Nis								
No.	DESIRED			SALT	Nut.Btl	O2-Btl.No	Chloro->10	Chloro-GFF	Duplicates	DIC						No.									
1	Bot				394	118										1									
2	750				395											2									
3	500				396											3									
4	250				397											4									
5	100				398											5									
6	50				399			✓								6									
7	40				400			✓								7									
8	30				401			✓								8									
9	20				402			✓								9									
10	10				403			✓								10									
11	0				404			✓								11									
12																12									

SST=

SSSal=

TSG Chl Sample:

VESSEL NOAAS OSCAR DYSON				CRUISE DY1606 DY1606				PROJECT & LEG Eco-FOCI 2016 Spring Mooring Cruise				CLAMS Event #:				STATION NO. 62						
CONSC CAST #	LATITUDE			LONGITUDE			TIME (GMT)			DRY BULB	Relative Humidity	Barometric 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)	(%)	(mb)	*	*	(deg)	(kts)	*	*	(m)	
057	54	39.90	N	169	12.20	W	11	MAY	16	0513		5.5	79	06			184	21			1698	LL7
SBE 9+		09P34480-0772				FLUOR S/N		REMARKS MAX. DEPTH = 999														
PRESS SN		772				SBE43-Oxy (prim 1961)																
PRI TEMP SN		2376				SBE43-Oxy (sec) 1875																
SEC TEMP SN		4379				Transmissometer																
PRI COND SN		2985				PAR S/N 70296																
SEC COND SN		3127				Turbidity 2057																
Nis	DEPTH	Rosette Notes			Hydro Team-PMEL			Chlorophyll			EMA			UAF			Comments			Nis		
No.	DESIRED				SALT	Nut.Btl	O2-Btl.No	Chloro->10	Chloro-GFF	Duplicates				DIC				No.				
1	Bot				457	405	241											1				
2	750					406	220											2				
3	500					407	215											3				
4	250					408	209											4				
5	100					409	197											5				
6	50					410	181		✓									6				
7	40					411	175		✓									7				
8	30					412	172		✓								Niskin Leaking	8				
9	20					413	168		✓									9				
10	10					414	161		✓									10				
11	0					415	150		✓									11				
12																		12				

SST=

SSSal=

TSG Chl Sample:

VESSEL NOAAS OSCAR DYSON			CRUISE DY1606 DY1606			PROJECT & LEG Eco-FOCI 2016 Spring Mooring Cruise			CLAMS Event #:			STATION NO. 64																																
CONSC CAST #	LATITUDE		LONGITUDE		TIME (GMT)		DRY BULB	Relative Humidity	Barometric 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)	(%)	(mb)	*	(deg)	(kts)	*	*	(m)																										
058	54	21.15	N	169	49.52	W	11	MAY	16	0948	55	87	08		210	15		1861	LL8/DL7																									
<table border="1"> <tr> <td>SBE 9+</td> <td>09P34480-0772</td> <td>FLUOR S/N</td> <td></td> <td rowspan="6">REMARKS</td> <td rowspan="6">MAX. DEPTH = 1000</td> </tr> <tr> <td>PRESS SN</td> <td>772</td> <td>SBE43-Oxy (prim 1961</td> <td></td> </tr> <tr> <td>PRI TEMP SN</td> <td>2376</td> <td>SBE43-Oxy (sec 1875</td> <td></td> </tr> <tr> <td>SEC TEMP SN</td> <td>4379</td> <td>Transmissometer</td> <td></td> </tr> <tr> <td>PRI COND SN</td> <td>2985</td> <td>PAR S/N</td> <td>70296</td> </tr> <tr> <td>SEC COND SI</td> <td>3127</td> <td>Turbidity</td> <td>2057</td> </tr> </table>																			SBE 9+	09P34480-0772	FLUOR S/N		REMARKS	MAX. DEPTH = 1000	PRESS SN	772	SBE43-Oxy (prim 1961		PRI TEMP SN	2376	SBE43-Oxy (sec 1875		SEC TEMP SN	4379	Transmissometer		PRI COND SN	2985	PAR S/N	70296	SEC COND SI	3127	Turbidity	2057
SBE 9+	09P34480-0772	FLUOR S/N		REMARKS	MAX. DEPTH = 1000																																							
PRESS SN	772	SBE43-Oxy (prim 1961																																										
PRI TEMP SN	2376	SBE43-Oxy (sec 1875																																										
SEC TEMP SN	4379	Transmissometer																																										
PRI COND SN	2985	PAR S/N	70296																																									
SEC COND SI	3127	Turbidity	2057																																									
Nis	DEPTH	Rosette Notes	Hydro Team-PMEL			Chlorophyll	EMA		UAF			Comments		Nis																														
No.	DESIRED		SALT	Nut Btl	O2-Btl.No	Chloro->10	Chloro-GFF	Duplicates	DIC					No.																														
1	Bot		458	416	263									1																														
2	750			417										2																														
3	500			418										3																														
4	250			419										4																														
5	100			420										5																														
6	50			421										6																														
7	40			422										7																														
8	30			423										8																														
9	20			424										9																														
10	10			425										10																														
11	0			426										11																														
12														12																														

SST=

SSSal=

TSG Chl Sample:

VESSEL NOAAS OSCAR DYSON			CRUISE DY1606 DY1606			PROJECT & LEG Eco-FOCI 2016 Spring Mooring Cruise			CLAMS Event #:			STATION NO. 65							
CONSC CAST #	LATITUDE		LONGITUDE		TIME (GMT)			DRY BULB	Relative Humidity	Barometric 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)	(%)	(mb)	*	*	(deg)	(kts)	*	*	(m)
059	54	01.90	N	167	33.93	W	11	MAY	16	1302	5.1	88	10		195	23			1800 LL9/046
SBE 9+ 09P34480-0772		FLUOR S/N		REMARKS MAX. DEPTH = 100															
PRESS SN 772		SBE43-Oxy (prim 1961)																	
PRI TEMP SN 2376		SBE43-Oxy (sec) 1875																	
SEC TEMP SN 4379		Transmissometer																	
PRI COND SN 2985		PAR S/N 70296																	
SEC COND SI 3127		Turbidity 2057																	
Nis	DEPTH	Rosette Notes	Hydro Team-PMEL			Chlorophyll			EMA			UAF			Comments			Nis	
No.	DESIRED		SALT	Nut.Btl	O2-Btl.No	Chloro->10	Chloro-GFF	Duplicates	DIC								No.		
1	BOT			427													1		
2	750			428													2		
3	500			429													3		
4	250			430													4		
5	100			431													5		
6	50			432			283										6		
7	40			433			285										7		
8	30			434			289										8		
9	20			435			283										9		
10	10			436			279										10		
11	0			437 x265			283										11		
12																	12		

SST=

SSSal=

TSG Chl Sample:

VESSEL NOAAS OSCAR DYSON			CRUISE DY1606 DY1606			PROJECT & LEG Eco-FOCI 2016 Spring Mooring Cruise			CLAMS Event #:			STATION NO. 66																																
CONSC CAST #	LATITUDE		LONGITUDE		TIME (GMT)		DRY BULB	Relative Humidity	Barometric 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)	(%)	(mb)	*	(deg)	(kts)	*	*	(m)																										
060	53	47.21	N	169	14.68	W	11	MAY	16	1606	5.3	88	13		194	18		1527	DL5/410																									
<table border="1"> <tr> <td>SBE 9+</td> <td>09P34480-0772</td> <td>FLUOR S/N</td> <td></td> <td rowspan="6">REMARKS</td> <td rowspan="6">MAX. DEPTH = 1001</td> </tr> <tr> <td>PRESS SN</td> <td>772</td> <td>SBE43-Oxy (prim)</td> <td>1961</td> </tr> <tr> <td>PRI TEMP SN</td> <td>2376</td> <td>SBE43-Oxy (sec)</td> <td>1875</td> </tr> <tr> <td>SEC TEMP SN</td> <td>4379</td> <td>Transmissometer</td> <td></td> </tr> <tr> <td>PRI COND SN</td> <td>2985</td> <td>PAR S/N</td> <td>70296</td> </tr> <tr> <td>SEC COND SI</td> <td>3127</td> <td>Turbidity</td> <td>2057</td> </tr> </table>																			SBE 9+	09P34480-0772	FLUOR S/N		REMARKS	MAX. DEPTH = 1001	PRESS SN	772	SBE43-Oxy (prim)	1961	PRI TEMP SN	2376	SBE43-Oxy (sec)	1875	SEC TEMP SN	4379	Transmissometer		PRI COND SN	2985	PAR S/N	70296	SEC COND SI	3127	Turbidity	2057
SBE 9+	09P34480-0772	FLUOR S/N		REMARKS	MAX. DEPTH = 1001																																							
PRESS SN	772	SBE43-Oxy (prim)	1961																																									
PRI TEMP SN	2376	SBE43-Oxy (sec)	1875																																									
SEC TEMP SN	4379	Transmissometer																																										
PRI COND SN	2985	PAR S/N	70296																																									
SEC COND SI	3127	Turbidity	2057																																									
Nis	DEPTH	Rosette Notes	Hydro Team-PMEL			Chlorophyll	EMA			UAF	Comments			Nis																														
No.	DESIRED		SALT	Nut.Btl	O2-Btl.No	Chloro->10	Chloro-GFF	Duplicates	DIC				No.																															
1	501			438	277								1																															
2	750			439									2																															
3	500			440									3																															
4	250			441									4																															
5	100			442									5																															
6	50			443			283						6																															
7	40			444			285						7																															
8	30			445			289						8																															
9	20			446			283						9																															
10	10			447			279						10																															
11	0		459	448			283						11																															
12													12																															

SST=

SSSal=

TSG Chl Sample:

VESSEL NOAAS OSCAR DYSON			CRUISE DY1606 DY1606			PROJECT & LEG Eco-FOCI 2016 Spring Mooring Cruise			CLAMS Event #:			STATION NO. 67									
CONSC CAST #	LATITUDE		LONGITUDE		TIME (GMT)		DRY BULB	Relative Humidity	Barometric 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)	(%)	(mb)	*	(deg)	(kts)	*	*	(m)			
061	53	36.04 N	169	03.10 W	11	MAY	16	18	30	5.4	92	15		195	12			1759 DLY/LLH			
SBE 9+ 09P34480-0772 PRESS SN 772 PRI TEMP SN 2376 SEC TEMP SN 4379 PRI COND SN 2985 SEC COND SI 3127										FLUOR S/N SBE43-Oxy (prim) 1961 SBE43-Oxy (sec) 1875 Transmissometer PAR S/N 70296 Turbidity 2057										REMARKS MAX. DEPTH = 1000	
Nis	DEPTH	Rosette Notes	Hydro Team-PMEL			Chlorophyll			EMA			UAF		Comments			Nis				
No.	DESIRED		SALT	Nut Btl	O2-Btl.No	Chloro->10	Chloro-GFF	Duplicates			DIC				No.						
1	30T			449										1							
2	750			450										2							
3	500			451										3							
4	250			452										4							
5	100			453										5							
6	50			454			283							6							
7	40			455			285							7							
8	30			456			289							8							
9	20			457			283							9							
10	10			458			279							10							
11	0			459	285		283							11							
12														12							

SST=

SSSal=

TSG Chl Sample:

VESSEL NOAAS OSCAR DYSON				CRUISE DY1606 DY1606				PROJECT & LEG Eco-FOCI 2016 Spring Mooring Cruise				CLAMS Event #:				STATION NO. 68						
CONSC CAST #	LATITUDE			LONGITUDE			TIME (GMT)			DRY BULB	Relative Humidity	Barometric 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)	(%)	(mb)	*	*	(deg)	(kts)	*	*	(m)	
062	53	31.03	N	168	53.49	W	11	MAY	16	2026		6.0	90	16			207	11			1739	DL3/L412
☐ SBE 9+ 09P34480-0772 FLUOR S/N ☐ PRESS SN 772 SBE43-Oxy (prim 1961) ☐ PRI TEMP SN 2376 SBE43-Oxy (sec) 1875 ☐ SEC TEMP SN 4379 Transmissometer ☐ PRI COND SN 2985 PAR S/N 70296 ☐ SEC COND SI 3127 Turbidity 2057											REMARKS MAX. DEPTH = 1003											
Nis	DEPTH	Rosette Notes			Hydro Team-PMEL			Chlorophyll			EMA			UAF			Comments			Nis		
No.	DESIRED				SALT	Nut.Btl	O2-Btl.No	Chloro- 10	Chloro-GFF	Duplicates				DIC				No.				
1	BOT				460	460	286											1				
2	750					461												2				
3	500					462												3				
4	250					463												4				
5	100					464												5				
6	50					465		283										6				
7	40					466		285										7				
8	30					467		289										8				
9	20					468		283										9				
10	10					469		279										10				
11	0					470		283										11				
12																		12				

SST=

SSSal=

TSG Chl Sample:

VESSEL NOAAS OSCAR DYSON				CRUISE DY1606 DY1606				PROJECT & LEG Eco-FOCI 2016 Spring Mooring Cruise				CLAMS Event #:				STATION NO. 069													
CONSC CAST #	LATITUDE			LONGITUDE			TIME (GMT)			DRY BULB	Relative Humidity	Barometric pressure	SEA STATE	VISIBILITY	WIND DIRN.	WIND SPD.	CLOUD (amt)	WEATHER	BOTTOM DEPTH	STA. NAME/ID									
	DEG	MIN		DEG	MIN		DAY	MO	YR	HR	MIN	(°C)	(%)	(mb)	*	*	(deg)	(kts)	*	*									
063	53	24.65	N	168	49.66	W	11	MAY	16	22	25	6.8	87	17			191	10		1193 DL2/LL3									
SBE 9+ 09P34480-0772 PRESS SN 772 PRI TEMP SN 2376 SEC TEMP SN 4379 PRI COND SN 2985 SEC COND SN 3127										FLUOR S/N SBE43-Oxy (prim 1961) SBE43-Oxy (sec) 1875 Transmissometer PAR S/N 70296 Turbidity 2057										REMARKS MAX. DEPTH = 1002									
Nis	DEPTH	Rosette Notes			Hydro Team-PMEL			Chlorophyll			EMA			UAF			Comments			Nis									
No.	DESIRED				SALT	Nut.Btl	O2-Btl.No	Chloro->10	Chloro-GFF	Duplicates				DIC					No.										
1	30T					471													1										
2	750					472													2										
3	500					473													3										
4	250					474													4										
5	100					475													5										
6	50					476			283										6										
7	40					477			285										7										
8	30					478			289										8										
9	20					479			283										9										
10	10					480			279										10										
11	0					481	288		283										11										
12																			12										

SST=

SSSal=

TSG Chl Sample:

VESSEL NOAAS OSCAR DYSON				CRUISE DY1606 DY1606				PROJECT & LEG Eco-FOCI 2016 Spring Mooring Cruise				CLAMS Event #:				STATION NO. 70																											
CONSC CAST #	LATITUDE			LONGITUDE			TIME (GMT)			DRY BULB	Relative Humidity	Barometric 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)	(%)	(mb)	*	(deg)	(kts)	*	*	(m)																							
064	53	22.39	N	168	40.66	W	11	MAY	16	23	47	5.7	88	17		223	11			252	DL/L45																						
SBE 9+ 09P34480-0772 PRESS SN 772 PRI TEMP SN 2376 SEC TEMP SN 4379 PRI COND SN 2985 SEC COND SI 3127											FLUOR S/N SBE43-Oxy (prim 1961) SBE43-Oxy (sec) 1875 Transmissometer PAR S/N 70296 Turbidity 2057											REMARKS BOAT WAS DRIFTING ONSHORE AND OVER THE CTD, WHICH WAS IN DEEPER WATER. MINIMUM ALTIMETER READING WAS 24 mab, not 2m as indicated by bottom depth from ship.											MAX. DEPTH = 250										
Nis	DEPTH	Rosette Notes			Hydro Team-PMEL			Chlorophyll			EMA			UAF			Comments			Nis																							
No.	DESIRED				SALT	Nut. Btl	O2-Btl. No	Chloro->10	Chloro-GFF	Duplicates	DIC									No.																							
1	Bot					482	289													1																							
2	200					483														2																							
3	150					484														3																							
4	100					485														4																							
5	50					486														5																							
6	40					487														6																							
7	30					488														7																							
8	20					489														8																							
9	10					490														9																							
10	0				461	491														10																							
11																				11																							
12																				12																							

SST=

SSSal=

TSG Chl Sample:

VESSEL NOAAS OSCAR DYSON			CRUISE DY1606 DY1606			PROJECT & LEG Eco-FOCI 2016 Spring Mooring Cruise			CLAMS Event #:			STATION NO. 72							
CONSC CAST #	LATITUDE		LONGITUDE		TIME (GMT)			DRY BULB	Relative Humidity	Barometric 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)	(%)	(mb)	*	(deg)	(kts)	*	*	(m)	
65	54	41.25N	166	13.71W	12	MAY	16	10	36	5.8	84	20		20	14			291	UBW4
SBE 9+ 09P34480-0772		FLUOR S/N		REMARKS MAX. DEPTH = 283															
PRESS SN 772		SBE43-Oxy (prim 1961																	
PRI TEMP SN 2376		SBE43-Oxy (sec) 1875																	
SEC TEMP SN 4379		Transmissometer																	
PRI COND SN 2985		PAR S/N 70296																	
SEC COND SN 3127		Turbidity 2057																	
Nis	DEPTH	Rosette Notes	Hydro Team-PMEL			Chlorophyll	EMA			UAF	Comments			Nis					
No.	DESIRED		SALT	Nut.Btl	O2-Btl.No	Chloro->10	Chloro-GFF	Duplicates	DIC				No.						
1	Bot			493									1						
2	200			494									2						
3	150			495									3						
4	100			496									4						
5	75			497									5						
6	50			498									6						
7	40			499									7						
8	30			500									8						
9	20			501									9						
10	10			502									10						
11	0			503	291								11						
12	—												12						

SST=

SSSal=

TSG Chl Sample:

VESSEL NOAAS OSCAR DYSON			CRUISE DY1606 DY1606			PROJECT & LEG Eco-FOCI 2016 Spring Mooring Cruise			CLAMS Event #:			STATION NO. 73																	
CONSC CAST #	LATITUDE		LONGITUDE		TIME (GMT)			DRY BULB	Relative Humidity	Barometric 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)	(%)	(mb)	*	(deg)	(kts)	*	*	(m)											
066	54	34.71 N	166	07.57 W	12	MAY	16	12	34	5.9	83	20		187	06			417	UBW3										
SBE 9+ 09P34480-0772 PRESS SN 772 PRI TEMP SN 2376 SEC TEMP SN 4379 PRI COND SN 2985 SEC COND SN 3127										FLUOR S/N SBE43-Oxy (prim) 1961 SBE43-Oxy (sec) 1875 Transmissometer PAR S/N 70296 Turbidity 2057										REMARKS MAX. DEPTH = 409									
Nis	DEPTH	Rosette Notes	Hydro Team-PMEL			Chlorophyll	EMA			UAF	Comments			Nis															
No.	DESIRED		SALT	Nut.Btl	O2-Btl.No	Chloro->10	Chloro-GFF	Duplicates	DIC				No.																
1	307		462	504	x292								1																
2	200			505									2																
3	150			506									3																
4	100			507									4																
5	75			508									5																
6	50			509			283						6																
7	40			510			285						7																
8	30			511			289						8																
9	20			512			283						9																
10	10			513			279						10																
11	0			514			283						11																
12													12																

SST=

SSSal=

TSG Chl Sample:

VESSEL NOAAS OSCAR DYSON				CRUISE DY1606 DY1606				PROJECT & LEG Eco-FOCI 2016 Spring Mooring Cruise				CLAMS Event #:				STATION NO. 74							
CONSC CAST #	LATITUDE			LONGITUDE			TIME (GMT)			DRY BULB	Relative Humidity	Barometric 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)	(%)	(mb)	*	*	(deg)	(kts)	*	*	(m)		
067	54	28.17	N	166	02.23	W	12	MAY	16	14	02	6.0	83	21			190	5			538	UBW2	
SBE 9+ 09P34480-0772 PRESS SN 772 PRI TEMP SN 2376 SEC TEMP SN 4379 PRI COND SN 2985 SEC COND SN 3127										FLUOR S/N SBE43-Oxy (prim) 1961 SBE43-Oxy (sec) 1875 Transmissometer PAR S/N 70296 Turbidity 2057										REMARKS		MAX. DEPTH = 531	
Nis	DEPTH	Rosette Notes		Hydro Team-PMEL			Chlorophyll		EMA			UAF				Comments			Nis				
No.	DESIRED			SALT	Nut.Btl	O2-Btl.No	Chloro->10	Chloro-GFF	Duplicates			DIC						No.					
1	300				515													1					
2	300				516													2					
3	150				517													3					
4	100				518													4					
5	75				519													5					
6	50				520			283										6					
7	40				521			285										7					
8	30				522			289										8					
9	20				523			283										9					
10	10				524			279										10					
11	0				525	293		283										11					
12																		12					

SST=

SSSal=

TSG Chl Sample:

VESSEL NOAAS OSCAR DYSON			CRUISE DY1606 DY1606			PROJECT & LEG Eco-FOCI 2016 Spring Mooring Cruise			CLAMS Event #:			STATION NO. 75							
CONSC CAST #	LATITUDE		LONGITUDE		TIME (GMT)			DRY BULB	Relative Humidity	Barometric 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)	(%)	(mb)	*	*	(deg)	(kts)	*	*	(m)
068	54	21.40 N	165	55.49 W	12	MAY	16	16	23	5.9	82	22			161	13			453 4BW1
SBE 9+ 09P34480-0772		FLUOR S/N		REMARKS MAX. DEPTH = 446															
PRESS SN 772		SBE43-Oxy (prim 1961)																	
PRI TEMP SN 2376		SBE43-Oxy (sec) 1875																	
SEC TEMP SN 4379		Transmissometer																	
PRI COND SN 2985		PAR S/N 70296																	
SEC COND SN 3127		Turbidity 2057																	
Nis	DEPTH	Rosette Notes	Hydro Team-PMEL			Chlorophyll	EMA			UAF			Comments			Nis			
No.	DESIRED		SALT	Nut.Btl	O2-Btl.No	Chloro->10	Chloro-GFF	Duplicates	DIC						No.				
1	BOT			526	346									1					
2	300			527										2					
3	150			528										3					
4	100			529										4					
5	75			530										5					
6	50			531			283							6					
7	40			532			285							7					
8	30			533			289							8					
9	20			534			283							9					
10	10			535			279							10					
11	0		463	536			283							11					
12														12					

SST=

SSSal=

TSG Chl Sample

VESSEL NOAAS OSCAR DYSON			CRUISE DY1606 DY1606			PROJECT & LEG Eco-FOCI 2016 Spring Mooring Cruise			CLAMS Event #:			STATION NO. 76							
CONSC CAST #	LATITUDE		LONGITUDE		TIME (GMT)			DRY BULB	Relative Humidity	Barometric 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)	(%)	(mb)	*	(deg)	(kts)	*	*	(m)	
069	54	18.50 N	165	52.86 W	12	MAY	16	17	34	6.0	79			176	10			108	43W0
SBE 9+ 09P34480-0772		FLUOR S/N		REMARKS PP Expt #6 MAX. DEPTH = 105															
PRESS SN 772		SBE43-Oxy (prim 1961																	
PRI TEMP SN 2376		SBE43-Oxy (sec) 1875																	
SEC TEMP SN 4379		Transmissometer																	
PRI COND SN 2985		PAR S/N 70296																	
SEC COND SI 3127		Turbidity 2057																	
Nis	DEPTH	Rosette Notes	Hydro Team-PMEL			Chlorophyll	EMA			UAF				Comments	Nis				
No.	DESIRED		SALT	Nut. Btl	O2-Btl. No	Chloro->10	Chloro-GFF	Duplicates	DIC					No.					
1	BOT			537		Chla								1					
2	75			538		Stack								2					
3	50			539		290	283							3					
4	40			540		↓	285							4					
5	30			541		↓	289							5					
6	20			542		↓	283							6					
7	10			543		↓	279							7					
8	0			544 351		↓	283							8					
9														9					
10														10					
11														11					
12														12					

SST=

SSSal=

TSG Chl Sample:

VESSEL NOAAS OSCAR DYSON			CRUISE DY1606 DY1606			PROJECT & LEG Eco-FOCI 2016 Spring Mooring Cruise			CLAMS Event #:			STATION NO. 77							
CONSC CAST #	LATITUDE		LONGITUDE		TIME (GMT)			DRY BULB	Relative Humidity	Barometric 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)	(%)	(mb)	*	(deg)	(kts)	*	*	(m)	
070	54	20.34 N	165	25.39 W	12	MAY	16	1941	5.9	81	24		176	11				148	UB54
SBE 9+ 09P34480-0772		FLUOR S/N		REMARKS MAX. DEPTH = 144															
PRESS SN 772		SBE43-Oxy (prim 1961																	
PRI TEMP SN 2376		SBE43-Oxy (sec) 1875																	
SEC TEMP SN 4379		Transmissometer																	
PRI COND SN 2985		PAR S/N 70296																	
SEC COND SN 3127		Turbidity 2057																	
Nis	DEPTH	Rosette Notes	Hydro Team-PMEL			Chlorophyll	EMA			UAF	Comments			Nis					
No.	DESIRED		SALT	Nut.Btl	O2-Btl.No	Chloro->10	Chloro-GFF	Duplicates	DIC				No.						
1	BOT		464	545	353								1						
2	75			546									2						
3	50			547			283						3						
4	40			548			285						4						
5	30			549			289						5						
6	20			550			283						6						
7	10			551			279						7						
8	0			552			283						8						
9													9						
10													10						
11													11						
12													12						

SST=

SSSal=

TSG Chl Sample:

VESSEL NOAAS OSCAR DYSON			CRUISE DY1606 DY1606			PROJECT & LEG Eco-FOCI 2016 Spring Mooring Cruise			CLAMS Event #:			STATION NO. 78							
CONSC CAST #	LATITUDE		LONGITUDE		TIME (GMT)			DRY BULB	Relative Humidity	Barometric 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)	(%)	(mb)	*	(deg)	(kts)	*	*	(m)	
071	54	22.38 N	165	16.02 W	12	MAY	16	21	22	6.0	78	25		204	11			164	UBS3
SBE 9+ 09P34480-0772		FLUOR S/N		REMARKS MAX. DEPTH = 161															
PRESS SN 772		SBE43-Oxy (prim) 1961																	
PRI TEMP SN 2376		SBE43-Oxy (sec) 1875																	
SEC TEMP SN 4379		Transmissometer																	
PRI COND SN 2985		PAR S/N 70296																	
SEC COND SI 3127		Turbidity 2057																	
Nis	DEPTH	Rosette Notes	Hydro Team-PMEL			Chlorophyll	EMA			UAF	Comments			Nis					
No.	DESIRED		SALT	Nut. Btl	O2-Btl. No	Chloro->10	Chloro-GFF	Duplicates	DIC				No.						
1	301			553									1						
2	150			554									2						
3	100			555									3						
4	75			556									4						
5	50			557			283						5						
6	40			558			285						6						
7	30			559			281						7						
8	20			560			283						8						
9	10			561			279						9						
10	0			562-352			283						10						
11													11						
12													12						

SST=

SSSal=

TSG Chl Sample:

VESSEL NOAAS OSCAR DYSON			CRUISE DY1606 DY1606			PROJECT & LEG Eco-FOCI 2016 Spring Mooring Cruise			CLAMS Event #:			STATION NO. 79																											
CONSC CAST #	LATITUDE		LONGITUDE		TIME (GMT)			DRY BULB	Relative Humidity	Barometric 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)	(%)	(mb)	*	(deg)	(kts)	*	*	(m)																					
072	54	25.13 N	165	08.04 W	12	MAY	16	2216		5.6	80	1026		157	11			131	UBS2																				
SBE 9+ 09P34480-0772 PRESS SN 772 PRI TEMP SN 2376 SEC TEMP SN 4379 PRI COND SN 2985 SEC COND SI 3127										FLUOR S/N SBE43-Oxy (prim) 1961 SBE43-Oxy (sec) 1875 Transmissometer PAR S/N 70296 Turbidity 2057										REMARKS RZA										MAX. DEPTH = 127									
Nis	DEPTH	Rosette Notes		Hydro Team-PMEL			Chlorophyll		EMA		UAF				Comments		Nis																						
No.	DESIRED			SALT	Nut Btl	O2-Btl No	Chloro->10	Chloro-GFF	Duplicates	DIC						No.																							
1	Bot				563	355		Big bottles								1																							
2	75				564			283								2																							
3	50				565			283								3																							
4	40				566			285								4																							
5	30				567			289						FA Phyt		5																							
6	20				568			283								6																							
7	10				569			279								7																							
8	0			679	570	355		283								8																							
9																9																							
10																10																							
11																11																							
12																12																							

SST=

SSSal=

TSG Chl Sample:

VESSEL NOAAS OSCAR DYSON			CRUISE DY1606 DY1606			PROJECT & LEG Eco-FOCI 2016 Spring Mooring Cruise			CLAMS Event #:			STATION NO. 80							
CONSC CAST #	LATITUDE		LONGITUDE		TIME (GMT)		DRY BULB	Relative Humidity	Barometric 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)	(%)	(mb)	*	(deg)	(kts)	*	*	(m)	
073	54	26.04 N	164	58.89 W	12	MAY	16	23	22	16.1	75	26		206	6			53	WBS1
SBE 9+ 09P34480-0772 PRESS SN 772 PRI TEMP SN 2376 SEC TEMP SN 4379 PRI COND SN 2985 SEC COND SI 3127										FLUOR S/N SBE43-Oxy (prim) 1961 SBE43-Oxy (sec) 1875 Transmissometer PAR S/N 70296 Turbidity 2057									
REMARKS										MAX. DEPTH = 51									
new File named CTD073b For <u>surface</u> bottle only																			
Nis	DEPTH	Rosette Notes	Hydro Team-PMEL			Chlorophyll	EMA			UAF	Comments			Nis					
No.	DESIRED		SALT	Nut.Btl	O2-Btl No	Chloro->10	Chloro-GFF	Duplicates	DIC				No.						
1	301			571			283						1						
2	40			572			285						2						
3	30			573			289						3						
4	20			574			283						4						
5	10			575			279						5						
6	0			576	356		283						6						
7													7						
8													8						
9													9						
10													10						
11													11						
12													12						

SST=

SSSal=

TSG Chl Sample:

VESSEL NOAAS OSCAR DYSON			CRUISE DY1606 DY1606			PROJECT & LEG Eco-FOCI 2016 Spring Mooring Cruise			CLAMS Event #:			STATION NO. 81																															
CONSC CAST #	LATITUDE		LONGITUDE		TIME (GMT)		DRY BULB	Relative Humidity	Barometric 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)	(%)	(mb)	*	(deg)	(kts)	*	*	(m)																									
074	54	42.99	N	164	47.13	W	13	MAY	16	0208	6.5	83	26		269	11		46 UBE3																									
<table border="1"> <tr> <td>SBE 9+</td> <td>09P34480-0772</td> <td>FLUOR S/N</td> <td></td> <td rowspan="6">REMARKS</td> <td rowspan="6">MAX DEPTH = 42</td> </tr> <tr> <td>PRESS SN</td> <td>772</td> <td>SBE43-Oxy (prim)</td> <td>1961</td> </tr> <tr> <td>PRI TEMP SN</td> <td>2376</td> <td>SBE43-Oxy (sec)</td> <td>1875</td> </tr> <tr> <td>SEC TEMP SN</td> <td>4379</td> <td>Transmissometer</td> <td></td> </tr> <tr> <td>PRI COND SN</td> <td>2985</td> <td>PAR S/N</td> <td>70296</td> </tr> <tr> <td>SEC COND SN</td> <td>3127</td> <td>Turbidity</td> <td>2057</td> </tr> </table>																		SBE 9+	09P34480-0772	FLUOR S/N		REMARKS	MAX DEPTH = 42	PRESS SN	772	SBE43-Oxy (prim)	1961	PRI TEMP SN	2376	SBE43-Oxy (sec)	1875	SEC TEMP SN	4379	Transmissometer		PRI COND SN	2985	PAR S/N	70296	SEC COND SN	3127	Turbidity	2057
SBE 9+	09P34480-0772	FLUOR S/N		REMARKS	MAX DEPTH = 42																																						
PRESS SN	772	SBE43-Oxy (prim)	1961																																								
PRI TEMP SN	2376	SBE43-Oxy (sec)	1875																																								
SEC TEMP SN	4379	Transmissometer																																									
PRI COND SN	2985	PAR S/N	70296																																								
SEC COND SN	3127	Turbidity	2057																																								
Nis	DEPTH	Rosette Notes	Hydro Team-PMEL			Chlorophyll	EMA		UAF			Comments	Nis																														
No.	DESIRED		SALT	Nut.Btl	O2-Btl.No	Chloro->10	Chloro-GFF	Duplicates	DIC				No.																														
1	Bot		680	572	360		✓						1																														
2	30			578			✓						2																														
3	20			579			✓						3																														
4	10			580			✓						4																														
5	0			581			✓						5																														
6													6																														
7													7																														
8													8																														
9													9																														
10													10																														
11													11																														
12													12																														

SST=

SSSal=

TSG Chl Sample:

VESSEL NOAAS OSCAR DYSON			CRUISE DY1606 DY1606			PROJECT & LEG Eco-FOCI 2016 Spring Mooring Cruise			CLAMS Event #:			STATION NO. 82						
CONSC CAST #	LATITUDE		LONGITUDE		TIME (GMT)		DRY BULB	Relative Humidity	Barometric 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)	(%)	(mb)	*	(deg)	(kts)	*	*	(m)
075	54	49.52N	164	53.59W	13	MAY	16	03	14	6.6	78	26		284	4			74 UBE2
SBE 9+ 09P34480-0772		FLUOR S/N		REMARKS MAX. DEPTH = 71														
PRESS SN 772		SBE43-Oxy (prim 1961)																
PRI TEMP SN 2376		SBE43-Oxy (sec) 1875																
SEC TEMP SN 4379		Transmissometer																
PRI COND SN 2985		PAR S/N 70296																
SEC COND SI 3127		Turbidity 2057																
Nis	DEPTH	Rosette Notes	Hydro Team-PMEL			Chlorophyll	EMA			UAF	Comments			Nis				
No.	DESIRED		SALT	Nut.Btl	O2-Btl.No	Chloro->10	Chloro-GFF	Duplicates	DIC				No.					
1	BOT			582									1					
2	50			583			✓						2					
3	40			584			✓						3					
4	30			585			✓						4					
5	20			586			✓						5					
6	10			587			✓						6					
7	0			588 361			✓						7					
8													8					
9													9					
10													10					
11													11					
12													12					

SST=

SSSal=

TSG Chl Sample:

VESSEL NOAAS OSCAR DYSON			CRUISE DY1606 DY1606			PROJECT & LEG Eco-FOCI 2016 Spring Mooring Cruise			CLAMS Event #:			STATION NO. 83							
CONSC CAST #	LATITUDE		LONGITUDE			TIME (GMT)		DRY BULB	Relative Humidity	Barometric 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)	(%)	(mb)	*	(deg)	(kts)	*	*	(m)	
076	54	56.45 N	164	59.71 W	13	MAY	16	04	13	6.2	81	27		64	04			92	UBE1
SBE 9+ 09P34480-0772 FLUOR S/N PRESS SN 772 SBE43-Oxy (prim) 1961 PRI TEMP SN 2376 SBE43-Oxy (sec) 1875 SEC TEMP SN 4379 Transmissometer PRI COND SN 2985 PAR S/N 70296 SEC COND SN 3127 Turbidity 2057										REMARKS MAX. DEPTH = 87									
Nis	DEPTH	Rosette Notes	Hydro Team-PMEL			Chlorophyll	EMA			UAF	Comments			Nis					
No.	DESIRED		SALT	Nut. Btl	O2-Btl No	Chloro->10	Chloro-GFF	Duplicates	DIC				No.						
1	BOT			589	362								1						
2	75			590									2						
3	50			591									3						
4	40			592									4						
5	30			593									5						
6	20			594									6						
7	10			595									7						
8	0		681	596									8						
9													9						
10													10						
11													11						
12													12						

SST=

SSSal=

TSG Chl Sample:

VESSEL NOAAS OSCAR DYSON			CRUISE DY1606 DY1606			PROJECT & LEG Eco-FOCI 2016 Spring Mooring Cruise			CLAMS Event #:			STATION NO. 84						
CONSC CAST #	LATITUDE		LONGITUDE		TIME (GMT)		DRY BULB	Relative Humidity	Barometric 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)	(%)	(mb)	*	(deg)	(kts)	*	*	(m)
077	55	02.96 N	165	06.60 W	13	MAY	16	05	32	6.2	82	27		88	5			111 UBN/6
SBE 9+ 09P34480-0772		FLUOR S/N		REMARKS MAX. DEPTH = 105														
PRESS SN 772		SBE43-Oxy (prim) 1961																
PRI TEMP SN 2376		SBE43-Oxy (sec) 1875																
SEC TEMP SN 4379		Transmissometer																
PRI COND SN 2985		PAR S/N 70296																
SEC COND SN 3127		Turbidity 2057																
Nis	DEPTH	Rosette Notes	Hydro Team-PMEL			Chlorophyll	EMA			UAF	Comments			Nis				
No.	DESIRED		SALT	Nut.Btl	O2-Btl.No	Chloro- ph	Chloro-GFF	Duplicates	DIC				No.					
1	Bot			597									1					
2	100			598									2					
3	75			599									3					
4	50			600		x							4					
5	40			601		x							5					
6	30			602		x							6					
7	20			603		x							7					
8	10			604 363		x							8					
9	0			605		x							9					
10													10					
11													11					
12													12					

SST=

SSSal=

TSG Chl Sample:

VESSEL NOAAS OSCAR DYSON			CRUISE DY1606 DY1606			PROJECT & LEG Eco-FOCI 2016 Spring Mooring Cruise			CLAMS Event #:			STATION NO. 85						
CONSC CAST #	LATITUDE		LONGITUDE		TIME (GMT)		DRY BULB	Relative Humidity	Barometric 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)	(%)	(mb)	*	(deg)	(kts)	*	*	(m)
78	54	59.48 N	165	17.01 W	13	MAY	16	06	56	5.9	83	27		100	6		116	UBN5
SBE 9+ 09P34480-0772		FLUOR S/N		REMARKS MAX. DEPTH = 110														
PRESS SN 772		SBE43-Oxy (prim 1961																
PRI TEMP SN 2376		SBE43-Oxy (sec 1875																
SEC TEMP SN 4379		Transmissometer																
PRI COND SN 2985		PAR S/N 70296																
SEC COND SI 3127		Turbidity 2057																
Nis	DEPTH	Rosette Notes	Hydro Team-PMEL			Chlorophyll	EMA			UAF	Comments			Nis				
No.	DESIRED		SALT	Nut.Btl	O2-Btl.No	Chloro->10	Chloro-GFF	Duplicates	DIC				No.					
1	Bot		692	606	364								1					
2	100			607									2					
3	75			608									3					
4	50			609									4					
5	40			610									5					
6	30			611									6					
7	20			612									7					
8	10			613									8					
9	0			614									9					
10													10					
11													11					
12													12					

SST=

SSSal=

TSG Chl Sample:

VESSEL NOAAS OSCAR DYSON			CRUISE DY1606 DY1606			PROJECT & LEG Eco-FOCI 2016 Spring Mooring Cruise			CLAMS Event #:			STATION NO. 86																	
CONSC CAST #	LATITUDE		LONGITUDE		TIME (GMT)			DRY BULB	Relative Humidity	Barometric 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)	(%)	(mb)	*	(deg)	(kts)	*	*	(m)											
079	54	56.00 N	165	28.66 W	13	MAY	16	08	11	6.0	84	28		180	2			125	UBN4										
SBE 9+ 09P34480-0772 PRESS SN 772 PRI TEMP SN 2376 SEC TEMP SN 4379 PRI COND SN 2985 SEC COND SI 3127										FLUOR S/N SBE43-Oxy (prim) 1961 SBE43-Oxy (sec) 1875 Transmissometer PAR S/N 70296 Turbidity 2057										REMARKS MAX. DEPTH = 118									
Nis	DEPTH	Rosette Notes		Hydro Team-PMEL			Chlorophyll		EMA			UAF		Comments			Nis												
No.	DESIRED			SALT	Nut.Btl	O2-Btl. No	Chloro->10	Chloro-GFF	Duplicates	DIC					No.														
1	BOT				615									1															
2	100				616									2															
3	75				617									3															
4	50				618			✓						4															
5	40				619			✓						5															
6	30				620			✓						6															
7	20				621			✓						7															
8	10				622			✓						8															
9	0				623 x 365			✓						9															
10														10															
11														11															
12														12															

SST=

SSSal=

TSG Chl Sample:

VESSEL NOAAS OSCAR DYSON			CRUISE DY1606 DY1606			PROJECT & LEG Eco-FOCI 2016 Spring Mooring Cruise			CLAMS Event #:			STATION NO. 87																																
CONSC CAST #	LATITUDE		LONGITUDE		TIME (GMT)		DRY BULB	Relative Humidity	Barometric 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)	(%)	(mb)	*	*	(deg)	(kts)	*	*																										
080	54	52.05 N	165	40.56 W	13	MAY	16	0943		5.7	86	27			50	6		143 UBN3																										
<table border="1"> <tr> <td>SBE 9+</td> <td>09P34480-0772</td> <td>FLUOR S/N</td> <td></td> <td rowspan="6">REMARKS</td> <td rowspan="6">MAX. DEPTH = 140</td> </tr> <tr> <td>PRESS SN</td> <td>772</td> <td>SBE43-Oxy (prim</td> <td>1961</td> </tr> <tr> <td>PRI TEMP SN</td> <td>2376</td> <td>SBE43-Oxy (sec)</td> <td>1875</td> </tr> <tr> <td>SEC TEMP SN</td> <td>4379</td> <td>Transmissometer</td> <td></td> </tr> <tr> <td>PRI COND SN</td> <td>2985</td> <td>PAR S/N</td> <td>70296</td> </tr> <tr> <td>SEC COND S</td> <td>3127</td> <td>Turbidity</td> <td>2057</td> </tr> </table>																			SBE 9+	09P34480-0772	FLUOR S/N		REMARKS	MAX. DEPTH = 140	PRESS SN	772	SBE43-Oxy (prim	1961	PRI TEMP SN	2376	SBE43-Oxy (sec)	1875	SEC TEMP SN	4379	Transmissometer		PRI COND SN	2985	PAR S/N	70296	SEC COND S	3127	Turbidity	2057
SBE 9+	09P34480-0772	FLUOR S/N		REMARKS	MAX. DEPTH = 140																																							
PRESS SN	772	SBE43-Oxy (prim	1961																																									
PRI TEMP SN	2376	SBE43-Oxy (sec)	1875																																									
SEC TEMP SN	4379	Transmissometer																																										
PRI COND SN	2985	PAR S/N	70296																																									
SEC COND S	3127	Turbidity	2057																																									
Nis	DEPTH	Rosette Notes	Hydro Team-PMEL			Chlorophyll	EMA		UAF			Comments		Nis																														
No.	DESIRED		SALT	Nut.Btl	O2-Btl No	Chloro->10	Chloro-GFF	Duplicates	DIC					No.																														
1	Bot			624	x366									1																														
2	100			625										2																														
3	75			626										3																														
4	50			627			✓							4																														
5	40			628			✓							5																														
6	30			629			✓							6																														
7	20			630			✓							7																														
8	10			631			✓							8																														
9	0		+683	632			Y							9																														
10														10																														
11														11																														
12														12																														

SST=

SSSal=

TSG Chl Sample:

VESSEL NOAAS OSCAR DYSON			CRUISE DY1606 DY1606			PROJECT & LEG Eco-FOCI 2016 Spring Mooring Cruise			CLAMS Event #:			STATION NO. 88						
CONSC CAST #	LATITUDE		LONGITUDE		TIME (GMT)		DRY BULB	Relative Humidity	Barometric 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)	(%)	(mb)	*	*	(deg)	(kts)	*	*
081	54	48.72 N	165	51.71 W	13	MAY	16	10	47	5.6	87	27			45	8		165 UBN2
SBE 9+ 09P34480-0772		FLUOR S/N		REMARKS MAX. DEPTH = 158														
PRESS SN 772		SBE43-Oxy (prim 1861																
PRI TEMP SN 2376		SBE43-Oxy (sec) 1875																
SEC TEMP SN 4379		Transmissometer																
PRI COND SN 2985		PAR S/N 70296																
SEC COND SI 3127		Turbidity 2057																
Nis	DEPTH	Rosette Notes	Hydro Team-PMEL			Chlorophyll	EMA		UAF			Comments		Nis				
No.	DESIRED		SALT	Nut. Btl	O2-Btl No	Chloro->10	Chloro-GFF	Duplicates	DIC					No.				
1	807			633										1				
2	100			634										2				
3	75			635										3				
4	50			636										4				
5	40			637										5				
6	30			638										6				
7	20			639										7				
8	10			640										8				
9	0			641 x367										9				
10														10				
11														11				
12														12				

SST=

SSSal=

TSG Chl Sample:

VESSEL NOAAS OSCAR DYSON			CRUISE DY1606 DY1606			PROJECT & LEG Eco-FOCI 2016 Spring Mooring Cruise			CLAMS Event #:			STATION NO. 89									
CONSC CAST #	LATITUDE		LONGITUDE		TIME (GMT)		DRY BULB	Relative Humidity	Barometric 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)	(%)	(mb)	*	(deg)	(kts)	*	*	(m)			
082	54	44	18	7	N	16	03	51	W	13	MAY	16	12	17	5.7	87	27	22	12	225	UBN1
SBE 9+ 09P34480-0772		FLUOR S/N		REMARKS MAX. DEPTH = 218																	
PRESS SN 772		SBE43-Oxy (prim 1961)																			
PRI TEMP SN 2376		SBE43-Oxy (sec) 1875																			
SEC TEMP SN 4379		Transmissometer																			
PRI COND SN 2985		PAR S/N 70296																			
SEC COND SN 3127		Turbidity 2057																			
Nis	DEPTH	Rosette Notes	Hydro Team-PMEL			Chlorophyll	EMA			UAF	Comments			Nis							
No.	DESIRED		SALT	Nut.Btl	O2-Btl.No	Chloro->10	Chloro-GFF	Duplicates	DIC				No.								
1	Bot		684	642	x368								1								
2	150			643									2								
3	100			644									3								
4	75			645									4								
5	50			646			283						5								
6	40			647			285						6								
7	30			648			289						7								
8	20			649			283						8								
9	10			650			279						9								
10	0			651			283						10								
11													11								
12													12								

SST=

SSSal=

TSG Chl Sample:

VESSEL NOAAS OSCAR DYSON			CRUISE DY1606 DY1606			PROJECT & LEG Eco-FOCI 2016 Spring Mooring Cruise			CLAMS Event #:			STATION NO. 90																			
CONSC CAST #	LATITUDE		LONGITUDE		TIME (GMT)			DRY BULB	Relative Humidity	Barometric 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)	(%)	(mb)	*	(deg)	(kts)	*	*	(m)													
08354	33.82	N	166	36.53	W	13	MAY	16	1621	6.1	87	102.6		54	17			423	AE5												
SBE 9+ 09P34480-0772 PRESS SN 772 PRI TEMP SN 2376 SEC TEMP SN 4379 PRI COND SN 2985 SEC COND SI 3127										FLUOR S/N SBE43-Oxy (prim) 1961 SBE43-Oxy (sec) 1875 Transmissometer PAR S/N 70296 Turbidity 2057										REMARKS Multi-net										MAX. DEPTH = 418	
Nis	DEPTH	Rosette Notes		Hydro Team-PMEL			Chlorophyll		EMA			UAF		Comments			Nis														
No.	DESIRED			SALT	Nut. Bl	O2-Btl No	Chloro->10	Chloro-GFF	Duplicates	DIC					No.																
1	80T				652			Large bottles						1																	
2	300				653									2																	
3	150				654									3																	
4	100				655									4																	
5	75				656			✓ 283						5																	
6	50				657			✓ 283						6																	
7	40				658			✓ 285						7																	
8	30				659			✓ 284						8																	
9	20				660			✓ 283						9																	
10	10				661			✓ 279						10																	
11	0				662	369		✓ 283						11																	
12														12																	

SST=

SSSal=

TSG Chl Sample:

VESSEL NOAAS OSCAR DYSON			CRUISE DY1606 DY1606			PROJECT & LEG Eco-FOCI 2016 Spring Mooring Cruise			CLAMS Event #:			STATION NO. 91						
CONSC CAST #	LATITUDE		LONGITUDE		TIME (GMT)		DRY BULB	Relative Humidity	Barometric 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)	(%)	(mb)	*	(deg)	(kts)	*	*	(m)
084	54	26.70 N	166	29.32 W	13	MAY	16	19	59	6.1	83	25		44	21			532 AE4
SBE 9+ 09P34480-0772		FLUOR S/N		REMARKS MAX. DEPTH = 530														
PRESS SN 772		SBE43-Oxy (prim 1961																
PRI TEMP SN 2376		SBE43-Oxy (sec) 1875																
SEC TEMP SN 4379		Transmissometer																
PRI COND SN 2985		PAR S/N 70296																
SEC COND SI 3127		Turbidity 2057																
Nis	DEPTH	Rosette Notes	Hydro Team-PMEL			Chlorophyll	EMA			UAF	Comments			Nis				
No	DESIRED		SALT	Nut.Btl	O2-Btl.No	Chloro->10	Chloro-GFF	Duplicates	DIC				No					
1	BOT			663	370								1					
2	300			664									2					
3	150			665									3					
4	100			666			283						4					
5	75			667									5					
6	50			668			283						6					
7	40			669			285						7					
8	30			670			289						8					
9	20			671			283						9					
10	10			672			277						10					
11	0		685	673			283						11					
12													12					

SST=

SSSal=

TSG Chl Sample:

VESSEL NOAAS OSCAR DYSON			CRUISE DY1606 DY1606			PROJECT & LEG Eco-FOCI 2016 Spring Mooring Cruise			CLAMS Event #:			STATION NO. 92																				
CONSC CAST #	LATITUDE		LONGITUDE		TIME (GMT)		DRY BULB	Relative Humidity	Barometric 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)	(%)	(mb)	*	(deg)	(kts)	*	*	(m)														
085	54	19.11	N	166	21.35	W	13	MAY	16	2300	5.9	87	24		41	22		1035 AE3														
<table border="1"> <tr> <td>☐ SBE 9+ 09P34480-0772</td> <td>☐ FLUOR S/N</td> <td rowspan="6">REMARKS</td> <td rowspan="6">MAX. DEPTH = 1001</td> </tr> <tr> <td>☐ PRESS SN 772</td> <td>☐ SBE43-Oxy (prim) 1961</td> </tr> <tr> <td>☐ PRI TEMP SN 2376</td> <td>☐ SBE43-Oxy (sec) 1875</td> </tr> <tr> <td>☐ SEC TEMP SN 4379</td> <td>☐ Transmissometer</td> </tr> <tr> <td>☐ PRI COND SN 2985</td> <td>☐ PAR S/N 70296</td> </tr> <tr> <td>☐ SEC COND SN 3127</td> <td>☐ Turbidity 2057</td> </tr> </table>																			☐ SBE 9+ 09P34480-0772	☐ FLUOR S/N	REMARKS	MAX. DEPTH = 1001	☐ PRESS SN 772	☐ SBE43-Oxy (prim) 1961	☐ PRI TEMP SN 2376	☐ SBE43-Oxy (sec) 1875	☐ SEC TEMP SN 4379	☐ Transmissometer	☐ PRI COND SN 2985	☐ PAR S/N 70296	☐ SEC COND SN 3127	☐ Turbidity 2057
☐ SBE 9+ 09P34480-0772	☐ FLUOR S/N	REMARKS	MAX. DEPTH = 1001																													
☐ PRESS SN 772	☐ SBE43-Oxy (prim) 1961																															
☐ PRI TEMP SN 2376	☐ SBE43-Oxy (sec) 1875																															
☐ SEC TEMP SN 4379	☐ Transmissometer																															
☐ PRI COND SN 2985	☐ PAR S/N 70296																															
☐ SEC COND SN 3127	☐ Turbidity 2057																															
Nis	DEPTH	Rosette Notes	Hydro Team-PMEL			Chlorophyll	EMA			UAF	Comments			Nis																		
No.	DESIRED		SALT	Nut Btl	O2-Btl No	Chloro > 10	Chloro-GFF	Duplicates	DIC				No.																			
1	BOT			674									1																			
2	500			675									2																			
3	250			676									3																			
4	100			677			283						4																			
5	75			678									5																			
6	50			679			283						6																			
7	40			680			285						7																			
8	30			681			289						8																			
9	20			682			283						9																			
10	10			683			279						10																			
11	0			684	371		283						11																			
12													12																			

SST=

SSSal=

TSG Chl Sample:

VESSEL NOAAS OSCAR DYSON		CRUISE DY1606 DY1606		PROJECT & LEG Eco-FOCI 2016 Spring Mooring Cruise		CLAMS Event #:		STATION NO. 93										
CONSC CAST #	LATITUDE		LONGITUDE		TIME (GMT)		DRY BULB	Relative Humidity	Barometric 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)	(%)	(mb)	*	(deg)	(kts)	*	*	(m)
086	54	14.05	N	166	16.13	W	14	MAY	16	0208	6.0	95	22	58	20			652 AE2
SBE 9+ 09P34480-0772		FLUOR S/N		REMARKS MAX. DEPTH = 642														
PRESS SN 772		SBE43-Oxy (prim 1961)																
PRI TEMP SN 2376		SBE43-Oxy (sec) 1875																
SEC TEMP SN 4379		Transmissometer																
PRI COND SN 2985		PAR S/N 70296																
SEC COND SI 3127		Turbidity 2057																
Nis	DEPTH	Rosette Notes	Hydro Team-PMEL			Chlorophyll	EMA			UAF	Comments			Nis				
No.	DESIRED		SALT	Nut.Btl	O2-Btl.No	Chloro->10	Chloro-GFF	Duplicates	DIC				No.					
1	807		686	685	372								1					
2	500			686									2					
3	250			687									3					
4	100			688									4					
5	75			689									5					
6	50			690									6					
7	40			691									7					
8	30			692									8					
9	20			693									9					
10	10			694									10					
11	0			695									11					
12													12					

SST=

SSSal=

TSG Chl Sample:

VESSEL NOAAS OSCAR DYSON				CRUISE DY1606 DY1606				PROJECT & LEG Eco-FOCI 2016 Spring Mooring Cruise				CLAMS Event #:				STATION NO. 94						
CONSC CAST #	LATITUDE			LONGITUDE			TIME (GMT)			DRY BULB	Relative Humidity	Barometric 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)	(%)	(mb)	*	*	(deg)	(kts)	*	*	(m)	
087	54	09	.97N	166	14	.40W	14	MAY	16	03	10	6.0	96	21			42	21			123	AE1
SBE 9+ 09P34480-0772		FLUOR S/N		REMARKS multinet 004 MAX. DEPTH = 1141																		
PRESS SN 772		SBE43-Oxy (prim 1961)																				
PRI TEMP SN 2376		SBE43-Oxy (sec) 1875																				
SEC TEMP SN 4379		Transmissometer																				
PRI COND SN 2985		PAR S/N 70296																				
SEC COND SI 3127		Turbidity 2057																				
Nis	DEPTH	Rosette Notes		Hydro Team-PMEL			Chlorophyll		EMA			UAF		Comments			Nis					
No.	DESIRED			SALT	Nut.Btl	O2-Btl.No	Chloro->10	Chloro-GFF	Duplicates	DIC					No.							
1	Bot				696			Large Bottle						1								
2	100				697									2								
3	75				698									3								
4	50				699			✓						4								
5	40				700			✓						5								
6	30				701			✓						6								
7	20				702			✓						7								
8	10				703			✓						8								
9	0				704	373		✓						9								
10														10								
11														11								
12														12								

SST=

SSSal=

TSG Chl Sample:

02 bot
surface

VESSEL NOAAS OSCAR DYSON				CRUISE DY1606 DY1606				PROJECT & LEG Eco-FOCI 2016 Spring Mooring Cruise				CLAMS Event #:				STATION NO.						
CONSC CAST #	LATITUDE			LONGITUDE			TIME (GMT)			DRY BULB	Relative Humidity	Barometric 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)	(%)	(mb)	*	*	(deg)	(kts)	*	*	(m)	
			N			W	M A Y 1 6															
SBE 9+ 09P34480-0772		FLUOR S/N		REMARKS																MAX. DEPTH =		
PRESS SN 772		SBE43-Oxy (prim 1961)																				
PRI TEMP SN 2376		SBE43-Oxy (sec) 1875																				
SEC TEMP SN 4379		Transmissometer																				
PRI COND SN 2985		PAR S/N 70296																				
SEC COND SN 3127		Turbidity 2057																				
Nis	DEPTH	Rosette Notes		Hydro Team-PMEL			Chlorophyll		EMA			UAF		Comments			Nis					
No.	DESIRED			SALT	Nut.Btl	O2-Btl.No	Chloro->10	Chloro-GFF	Duplicates	DIC					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								

SST=

SSSal=

TSG Chl Sample:

VESSEL NOAAS OSCAR DYSON			CRUISE DY1606 DY1606			PROJECT & LEG Eco-FOCI 2016 Spring Mooring Cruise			CLAMS Event #:			STATION NO.							
CONSC CAST #	LATITUDE		LONGITUDE		TIME (GMT)		DRY BULB	Relative Humidity	Barometric 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)	(%)	(mb)	*	*	(deg)	(kts)	*	*	
		N		W	M A Y 1 6														
SBE 9+ 09P34480-0772		FLUOR S/N		REMARKS														MAX DEPTH =	
PRESS SN 772		SBE43-Oxy (prim 1961)																	
PRI TEMP SN 2376		SBE43-Oxy (sec) 1875																	
SEC TEMP SN 4379		Transmissometer																	
PRI COND SN 2985		PAR S/N 70296																	
SEC COND SN 3127		Turbidity 2057																	
Nis	DEPTH	Rosette Notes	Hydro Team-PMEL			Chlorophyll	EMA			UAF	Comments			Nis					
No.	DESIRED		SALT	Nut.Btl	O2-Btl.No	Chloro->10	Chloro-GFF	Duplicates	DIC				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						

SST=

SSSal=

TSG Chl Sample:

VESSEL NOAAS OSCAR DYSON			CRUISE DY1606 DY1606			PROJECT & LEG Eco-FOCI 2016 Spring Mooring Cruise			CLAMS Event #:			STATION NO.							
CONSC CAST #	LATITUDE		LONGITUDE		TIME (GMT)			DRY BULB	Relative Humidity	Barometric 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)	(%)	(mb)	*	*	(deg)	(kts)	*	*	(m)
		N		W	M A Y 1 6														
SBE 9+ 09P34480-0772		FLUOR S/N		REMARKS												MAX. DEPTH =			
PRESS SN 772		SBE43-Oxy (prim) 1961																	
PRI TEMP SN 2376		SBE43-Oxy (sec) 1875																	
SEC TEMP SN 4379		Transmissometer																	
PRI COND SN 2985		PAR S/N 70296																	
SEC COND SN 3127		Turbidity 2057																	
Nis	DEPTH	Rosette Notes	Hydro Team-PMEL			Chlorophyll	EMA			UAF	Comments			Nis					
No.	DESIRED		SALT	Nut Btl	O2-Btl No	Chloro->10	Chloro-GFF	Duplicates	DIC				No.						
1													1						
2													2						
3													3						
4													4						
5													5						
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SST=

SSSal=

TSG Chl Sample:

VESSEL NOAAS OSCAR DYSON			CRUISE DY1606 DY1606			PROJECT & LEG Eco-FOCI 2016 Spring Mooring Cruise			CLAMS Event #:			STATION NO.							
CONSC CAST #	LATITUDE		LONGITUDE		TIME (GMT)			DRY BULB	Relative Humidity	Barometric 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)	(%)	(mb)	*	*	(deg)	(kts)	*	*	(m)
		N		W	M A Y 1 6														
SBE 9+ 09P34480-0772		FLUOR S/N		REMARKS												MAX. DEPTH =			
PRESS SN 772		SBE43-Oxy (prim) 1961																	
PRI TEMP SN 2376		SBE43-Oxy (sec) 1875																	
SEC TEMP SN 4379		Transmissometer																	
PRI COND SN 2985		PAR S/N 70296																	
SEC COND SI 3127		Turbidity 2057																	
Nis	DEPTH	Rosette Notes	Hydro Team-PMEL			Chlorophyll	EMA			UAF	Comments			Nis					
No.	DESIRED		SALT	Nut.Btl	O2-Btl No	Chloro->10	Chloro-GFF	Duplicates	DIC				No.						
1													1						
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VESSEL NOAAS OSCAR DYSON			CRUISE DY1606 DY1606			PROJECT & LEG Eco-FOCI 2016 Spring Mooring Cruise			CLAMS Event #:			STATION NO.							
CONSC CAST #	LATITUDE		LONGITUDE		TIME (GMT)			DRY BULB	Relative Humidity	Barometric 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)	(%)	(mb)	*	*	(deg)	(kts)	*	*	(m)
		N		W	M A Y 1 6														
SBE 9+ 09P34480-0772		FLUOR S/N		REMARKS												MAX. DEPTH =			
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1													1						
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		N		W	M A Y 1 6														
SBE 9+ 09P34480-0772		FLUOR S/N		REMARKS												MAX. DEPTH =			
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VESSEL NOAAS OSCAR DYSON			CRUISE DY1606 DY1606			PROJECT & LEG Eco-FOCI 2016 Spring Mooring Cruise			CLAMS Event #:			STATION NO.							
CONSC CAST #	LATITUDE		LONGITUDE		TIME (GMT)			DRY BULB	Relative Humidity	Barometric pressure	SEA STATE	VISIBILITY	WIND DIRN.	WIND SPD.	CLOUD (amt)	TYPE	WEATHER	BOTTOM DEPTH	STA. NAME/ID
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		N		W	M A Y 1 6														
SBE 9+ 09P34480-0772		FLUOR S/N		REMARKS												MAX. DEPTH =			
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VESSEL NOAAS OSCAR DYSON				CRUISE DY1606 DY1606				PROJECT & LEG Eco-FOCI 2016 Spring Mooring Cruise				CLAMS Event #:				STATION NO.						
CONSC CAST #	LATITUDE			LONGITUDE			TIME (GMT)			DRY BULB	Relative Humidity	Barometric pressure	SEA STATE	VISIBILITY	WIND DIRN.	WIND SPD.	CLOUD (amt)	TYPE	WEATHER	BOTTOM DEPTH	STA. NAME/ID	
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			N			W	M A Y 1 6															
SBE 9+ 09P34480-0772		FLUOR S/N		REMARKS										MAX. DEPTH =								
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		N		W	M A Y 1 6														
SBE 9+ 09P34480-0772		FLUOR S/N		REMARKS												MAX. DEPTH =			
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VESSEL NOAAS OSCAR DYSON				CRUISE DY1606 DY1606				PROJECT & LEG Eco-FOCI 2016 Spring Mooring Cruise				CLAMS Event #:				STATION NO.								
CONSC CAST #	LATITUDE			LONGITUDE			TIME (GMT)			DRY BULB	Relative Humidity	Barometric 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)	(%)	(mb)	*	*	(deg)	(kts)	*	*	*	(m)		
			N			W	M A Y 1 6																	
<table border="1" style="width:100%; border-collapse: collapse;"> <tr> <td style="width:25%;"> ☐ SBE 9+ 09P34480-0772 ☐ PRESS SN 772 ☐ PRI TEMP SN 2376 ☐ SEC TEMP SN 4379 ☐ PRI COND SN 2985 ☐ SEC COND SI 3127 </td> <td style="width:25%;"> ☐ FLUOR S/N ☐ SBE43-Oxy (prim) 1961 ☐ SBE43-Oxy (sec) 1875 ☐ Transmissometer ☐ PAR S/N 70296 ☐ Turbidity 2057 </td> <td style="width:40%;"> REMARKS </td> <td style="width:10%;"> MAX. DEPTH = </td> </tr> </table>																					☐ SBE 9+ 09P34480-0772 ☐ PRESS SN 772 ☐ PRI TEMP SN 2376 ☐ SEC TEMP SN 4379 ☐ PRI COND SN 2985 ☐ SEC COND SI 3127	☐ FLUOR S/N ☐ SBE43-Oxy (prim) 1961 ☐ SBE43-Oxy (sec) 1875 ☐ Transmissometer ☐ PAR S/N 70296 ☐ Turbidity 2057	REMARKS	MAX. DEPTH =
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1														1										
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