

VESSEL NOAAS Oscar Dyson			CRUISE ID DY23-06			PROJECT & LEG Spring Mooring Cruise			CTD File Name: <i>CTD091</i>				STATION NO. <i>Shumagins</i>				
CONSC CAST #	LATITUDE		LONGITUDE					TIME (GMT)		DRY BULB	RH	Pressure	WIND DIRN.	WIND SPD.	BOTTOM DEPTH		STA. NAME/ID
	DEG	MIN	DEG	MIN		DAY	MO	YR	HR	MIN	(°C)	(%)	(mb)	(deg)	(kts)	(m)	
<i>50 15.450.17 N</i>			<i>158 58.97 W</i>			<i>23 APR 23</i>			<i>06</i>	<i>33</i>	<i>5.5</i>	<i>54</i>	<i>1017</i>	<i>30924</i>			<i>74</i>
SBE 9+			FLUOR S/N			WEATHER OBS:						SFC/Bottom Temp.			MAX. DEPTH = <i>65</i> m		
PRESS SN			SBE43-Oxy (prime)														
PRI TEMP SN			SBE43-Oxy (sec)														
SEC TEMP SN			Transmissometer														
PRI COND SN			PAR S/N														
SEC COND SN			O2 Tmp Sensor No														
REMARKS:        																	

Recorder initials: P.C.J.













VESSEL			CRUISE ID			PROJECT & LEG				CTD File Name:					STATION NO.		
NOAAS Oscar Dyson			DY23-06			Spring Mooring Cruise									58n1		
CONSC CAST #	LATITUDE		LONGITUDE					TIME (GMT)		DRY BULB	RH	Pressure	WIND DIRN.	WIND SPD.	BOTTOM DEPTH		STA. NAME/ID
	DEG	MIN	DEG	MIN		DAY	MO	YR	HR	MIN	(°C)	(%)	(mb)	(deg)	(kts)	(m)	
0085428.51	N	16602.20	W	24	A	9223	17	20	2.0	90	1006	145	18			\$34	
SBE 9+			FLUOR S/N			WEATHER OBS:								SFC/Bottom Temp.		MAX. DEPTH = 500 m	
PRESS SN			SBE43-Oxy (prime)			REMARKS:											
PRI TEMP SN			SBE43-Oxy (sec)			STALLED ON CTD HOOD DUE TO EK80 range											
SEC TEMP SN			Transmissometer			TARGET 500M depth											
PRI COND SN			PAR S/N			1 <sup>st</sup> OXY reading @ 366 is on way up											
SEC COND SN			O2 Tmp Sensor No			2 <sup>nd</sup> oxy still working in upper 36m use 2 <sup>nd</sup> @ depth for											
						wind speed on upcast due to wraps @ 366											
																Recorder Initials:	
NIS	DEPTH	Rosette Notes		Hydro Team-PMEL				Chloro				POC	Comments		NIS		
No.	DESIRED	SALT	Nut.Btl	O2-Btl.No	DIC/Alk	GFF Vol	>10 Large Vol	GFF Dup Vol	>10 dup vol	500 ml			No.				
1	BTM		45	284 290							triplicate oxy		1				
2	300		116	x									2				
3	200		47	x									3				
4	100		48	x									4				
5	75		49	x									5				
6	50		50	x	283								6				
7	40		51	x	285								7				
8	30		52	x	285								8				
9	20		53	x	283								9				
10	10		54	x	279								10				
11	0		55	x	283								11				
12	~												12				
		Inline															



VESSEL NOAAS Oscar Dyson			CRUISE ID DY23-06			PROJECT & LEG Spring Mooring Cruise			CTD File Name:					STATION NO. <i>UBWY</i>		
CONSC CAST #	LATITUDE		LONGITUDE			TIME (GMT)			DRY BULB	RH	Pressure	WIND DIRN.	WIND SPD.	BOTTOM DEPTH	STA. NAME/ID <i>UBWY</i>	
	DEG	MIN	DEG	MIN	DAY	MO	YR	HR	MIN	(°C)	(%)	(mb)	(deg)	(kts)	(m)	
010 54 41.21	N	166 13.81	W	24	APR	23	22	34	4.4	84	0999	183	17	291		
SBE 9+				FLUOR S/N				WEATHER OBS:			SFC/Bottom Temp.			MAX. DEPTH = 287 m		
PRESS SN				SBE43-Oxy (prime)												
PRI TEMP SN				SBE43-Oxy (sec)												
SEC TEMP SN				Transmissometer												
PRI COND SN				PAR S/N												
SEC COND SN				O2 Tmp Senson No												
															REMARKS: <i>New O<sub>2</sub> sensor on secondary channel, still pretty good separation. Worse in first 60m or so</i>	
																Recorder Initials:
Nis No.	DEPTH	Rosette Notes		Hydro Team-PMEL			Chloro				POC		Comments		Nis No.	
DESIRED		SALT	Nut.Btl	O2-Btl.No	DIC/AIk	GFF Vol	>10 Large Vol	GFF Dup Vol	>10 dup vol	500 ml	<i>EDNA</i>	<i>xE1723</i>				
1	Bot		67	352										1		
2	200		68											2		
3	100		69											3		
4	75		70											4		
5	50		71			283								5		
6	40		72			28.5						<i>E1724</i>		6		
7	30		73			285								7		
8	20		74			283								8		
9	10		75			279								9		
10	0		76			265								10		
11														11		
12														12		
1		Inline												1		











VESSEL NOAAS Oscar Dyson			CRUISE ID DY23-06			PROJECT & LEG Spring Mooring Cruise			CTD FileName:					STATION NO. S16H1			
CONSC CAST #	LATITUDE		LONGITUDE					TIME (GMT)	DRY BULB	RH	Pressure	WIND DIRN.	WIND SPD.	BOTTOM DEPTH		STA. NAME/ID UBN6	
	DEG	MIN	DEG	MIN	DAY	MO	YR	HR	MIN	(°C)	(%)	(mb)	(deg)	(kts)	(m)		
	165	50	2.85	N	165	05	.82	W	15	APR	23	0841	3.8	84	99725717	113	
SBE 9+			FLUOR S/N			WEATHER OBS:			SFC/Bottom Temp.				MAX. DEPTH = 110 m				
PRESS SN			SBE43-Oxy (prime)														
PRI TEMP SN			SBE43-Oxy (sec)														
SEC TEMP SN			Transmissometer														
PRI COND SN			PAR S/N														
SEC COND SN			02 Tmp Sensor No														
REMARKS: <i>Double-Tripped at 30m due to operator error.</i>																	
<i>prim. oxy looks questionable in upper 20-30m on downcast. upcast looks better until ~10m</i>																	

**Recorder Initials:**











VESSEL NOAAS Oscar Dyson			CRUISE ID DY23-06			PROJECT & LEG Spring Mooring Cruise				CTD File Name:					STATION NO.		
CONSC CAST #	LATITUDE		LONGITUDE					TIME (GMT)		DRY BULB	RH	Pressure	WIND DIRN.	WIND SPD.	BOTTOM DEPTH		STA. NAME/ID
	DEG	MIN	DEG	MIN		DAY	MO	YR	HR	MIN	(°C)	(%)	(mb)	(deg)	(kts)	(m)	
0 21 58	10.	62 N	169 43.	14 W		26	APR	23	19	35	+3.1	80	1000	83	15		70
SBE 9+			<input type="checkbox"/> FLUOR S/N			WEATHER OBS:				SFC/Bottom Temp.				MAX. DEPTH = 65 m			
PRESS SN			<input type="checkbox"/> SBE43-Oxy (prime)														
PRI TEMP SN			<input type="checkbox"/> SBE43-Oxy (sec)														
SEC TEMP SN			<input type="checkbox"/> Transmissometer														
PRI COND SN			<input type="checkbox"/> PAR S/N														
SEC COND SN			<input type="checkbox"/> O2 Tmp Sensor No														
REMARKS: BEGIN W/3RD ICE TRANSIT A NEW O <sub>2</sub> sensor - had been stored w/o tube only looks better 13@ SFC chl par : float casts on - repeat cast SCS w/l @ 35m on upcast																	

Recorder Initials: SG



VESSEL			CRUISE ID			PROJECT & LEG				CTD File Name:					STATION NO.		
NOAAS Oscar Dyson			DY23-06			Spring Mooring Cruise											
CONSC CAST #	LATITUDE		LONGITUDE							TIME (GMT)	DRY BULB	RH	Pressure	WIND DIRN.	WIND SPD.	BOTTOM DEPTH	STA. NAME/ID
	DEG	MIN	DEG	MIN		DAY	MO	YR	HR	(°C)	(%)	(mb)	(deg)	(kts)	(m)		
024	58	19.67	N	169	51.10	W	26	09	23	2256	-3.0	73	100	1065	16	71	
SBE 9+						FLUOR S/N				WEATHER OBS:		SFC/Bottom Temp.			MAX. DEPTH = 6.5 m		
PRESS SN						SBE43-Oxy (prime)				REMARKS:							
PRI TEMP SN						SBE43-Oxy (sec)				Ice Rapid Station, moving to w of ice edge							
SEC TEMP SN						Transmissometer											
PRI COND SN						PAR S/N											
SEC COND SN						O2 Tmp Senson No											
<p>Do full chlor @ last ice station inbound and first outbound</p> <p>eDNA on all inbound 10, 30, 50m</p> <p>Sample at reasonable station on outbound</p>																	
Recorder Initials:																	
Nis	DEPTH	Rosette Notes		Hydro Team-PMEL					POC	eDNA	Comments			Nis			
No.	DESIRED			SALT	Nut.Btl	O2-Btl.No	DIC/AIK		500 ml					No.			
1	30m						/		x E1741					1			
2	50						/							2			
3	40						/							3			
4	30						/		x E1742					4			
5	20						/							5			
6	10						/	x DM						6			
7	0						/	x 183						7			
~8														8			
9														9			
10														10			
11														11			
12														12			
I		Inline												I			























VESSEL NOAAS Oscar Dyson			CRUISE ID DY23-06			PROJECT & LEG Spring Mooring Cruise				CTD File Name:				STATION NO. S35H1							
CONSC CAST #	LATITUDE		LONGITUDE					TIME (GMT)		DRY BULB	RH	Pressure	WIND DIRN.	WIND SPD.	BOTTOM DEPTH		STA. NAME/ID				
	DEG	MIN	DEG	MIN		DAY	MO	YR	HR	MIN	(°C)	(%)	(mb)	(deg)	(kts)	(m)					
	36	57	31	.52	N	16	8	18	39	W	27	APR	23	23	17	-1	2083	1002	33306	72	
SBE 9+				FLUOR S/N						WEATHER OBS:				SFC/Bottom Temp.			MAX. DEPTH = 66 m				
PRESS SN				SBE43-Oxy (prime)																	
PRI TEMP SN				SBE43-Oxy (sec)																	
SEC TEMP SN				Transmissometer																	
PRI COND SN				PAR S/N																	
SEC COND SN				O2 Tmp Sensor No																	
Recorder Initials:																					
Nis No.	DEPTH	Rosette Notes				Hydro Team-PMEL				Chloro				POC	500 ml	Comments		Nis No.			
	DESIRED					SALT	Nut.Btl	O2-Btl.No	DIC/Alk	GFF Vol	>10 Large Vol	GFF Dup Vol	>10 dup vol								
1	BOT					216	364	X									1				
2	50					217			283								2				
3	40					218			285								3				
4	30					219			285								4				
5	20					220			283								5				
6	10					221			279								6				
7	0					222			283								7				
8																	8				
9																	9				
10																	10				
11																	11				
12																	12				
1																	1				
Inline																					

























VESSEL NOAAS Oscar Dyson			CRUISE ID DY23-06			PROJECT & LEG Spring Mooring Cruise			CTD FileName:					STATION NO. <i>S48 H1</i>			
CONSC CAST #	LATITUDE		LONGITUDE					TIME (GMT)		DRY BULB	RH	Pressure	WIND DIRN.	WIND SPD.	BOTTOM DEPTH		<i>70M8</i>
	DEG	MIN	DEG	MIN		DAY	MO	YR	HR	MIN	(°C)	(%)	(mb)	(deg)	(kts)	(m)	STA. NAME/ID
	48	57	15.70	N	16544.93	W	28	APR	23	19	37	11.1	87	100120113		70	
SBE 9+			FLUOR S/N					WEATHER OBS:		SFC/Bottom Temp.					MAX. DEPTH = <i>625</i> m		
PRESS SN			SBE43-Oxy (prime)					REMARKS:									
PRI TEMP SN			SBE43-Oxy (sec)														
SEC TEMP SN			Transmissometer														
PRI COND SN			PAR S/N														
SEC COND SN			O2 Tmp Senson No														
<i>NUTS out of order</i>																	
Recorder Initials:																	
Nis No.	DEPTH	Rosette Notes			Hydro Team-PMEL			Chloro				POC			Comments		Nis No.
	DESIRED				SALT	Nut.Btl	O2-Btl.No	DIC/Alk	GFF Vol	>10 Large Vol	GFF Dup Vol	>10 dup vol	500 ml	EDNA			
1	BOT				286	247	X							E1778			1
2	50				288				283								2
3	40				287				285								3
4	30				282				285					E1779			4
5	20				283				283								5
6	10				284				279					E1780			6
7	0				285				283								7
8																	8
9																	9
10																	10
11																	11
12																	12
1					Inline												1



























VESSEL NOAAS Oscar Dyson			CRUISE ID DY23-06			PROJECT & LEG Spring Mooring Cruise				CTD File Name: CTD 68				STATION NO. S67 H2			
CONSC CAST #	LATITUDE		LONGITUDE					TIME (GMT)		DRY BULB	RH	Pressure	WIND DIRN.	WIND SPD.	BOTTOM DEPTH		STA. NAME/ID KUM2A
	DEG	MIN	DEG	MIN		DAY	MO	YR	HR	MIN	(°C)	(%)	(mb)	(deg)	(kts)	(m)	
82	58	15.67	N	163	29.66	W	02	05	23	02	23	0.60916	99.131017	40			
SBE 9+	FLUOR S/N			WEATHER OBS:			SFC/Bottom Temp.			MAX. DEPTH = 36 m							
PRESS SN	SBE43-Oxy (prime)			REMARKS: KUM2A site. Calibration test													
PRI TEMP SN	SBE43-Oxy (sec)																
SEC TEMP SN	Transmissometer																
PRI COND SN	PAR S/N																
SEC COND SN	O2 Tmp Sensor No																
Recorder Initials:																	
Nis No.	DEPTH	Rosette Notes		Hydro Team-PMEL			Chloro				POC	EDNA	Comments			Nis No.	
	DESIR ED		SALT	Nut.Btl	O2-Btl.No	DIC/Alk	GFF Vol	>10 Large Vol	GFF Dup Vol	>10 dup vol			500 ml				
1	BOT		388	069		285						E1799			1		
2	70		389			285									2		
3	10		390			279						E1800			3		
4	0		391			283									4		
5															5		
6															6		
7															7		
8															8		
9															9		
10															10		
11															11		
12															12		
I															I		
Inline																	



VESSEL NOAAS Oscar Dyson			CRUISE ID DY23-06			PROJECT & LEG Spring Mooring Cruise			CTD File Name:			STATION NO. S65 H3						
CONSC CAST #	LATITUDE		LONGITUDE					TIME (GMT)	DRY BULB	RH	Pressure	WIND DIRN.	WIND SPD.	BOTTOM DEPTH		STA. NAME/ID		
	DEG	MIN	DEG	MIN		DAY	MO	YR	HR	MIN	(°C)	(%)	(mb)	(deg)	(kts)	(m)		
	66	56	51.98	N		16	40	3.21	W	01	May	23	0256	3.2	86	98314116	72	
SBE 9+			FLUOR S/N _____					WEATHER OBS:		SFC/Bottom Temp.			MAX. DEPTH = 67 m					
PRESS SN			SBE43-Oxy (prime) _____					REMARKS:		_____			_____					
PRI TEMP SN			SBE43-Oxy (sec) _____					Bumpy water! :)		_____			_____					
SEC TEMP SN			Transmissometer _____					_____		_____			_____					
PRI COND SN			PAR S/N _____					_____		_____			_____					
SEC COND SN			O2 Tmp Senson No _____					_____		_____			_____					
Recorder Initials: _____																		
Nis No.	DEPTH	Rosette Notes		Hydro Team-PMEL			Chloro				POC			Comments		Nis No.		
	DESIRED			SALT	Nut.Btl	O2-Btl.No	DIC/Alk	GFF Vol	>10 Large Vol	GFF Dup Vol	>10 dup vol	500 ml						
1	Bot			378	3286											1		
2	50			379				283								2		
3	40			380				285								3		
4	30			381				285								4		
5	20			382				283								5		
6	10			383				279								6		
7	0			384				283								7		
8																8		
9																9		
10																10		
11																11		
12																12		
I																1		
Inline																		

VESSEL NOAAS Oscar Dyson			CRUISE ID DY23-06			PROJECT & LEG Spring Mooring Cruise			CTD File Name: CTD065			STATION NO. S64 H1				
CONSC CAST #	LATITUDE		LONGITUDE			TIME (GMT)		DRY BULB	RH	Pressure	WIND DIRN.	WIND SPD.	BOTTOM DEPTH	STA. NAME/ID Mac		
	DEG	MIN	DEG	MIN	DAY	MO	YR	HR	MIN	(°C)	(%)	(mb)	(deg)		(kts)	(m)
	165	51.86	N	164	02.96	W	30	APR	23	14	14	3.50	87	987696	18	72
SBE 9+			FLUOR S/N											MAX. DEPTH = 64 m		
PRESS SN			SBE43-Oxy (prime)													
PRI TEMP SN			SBE43-Oxy (sec)													
SEC TEMP SN			Transmissometer													
PRI COND SN			PAR S/N													
SEC COND SN			O2 Tmp Senson No													
WEATHER OBS:														SFC/Bottom Temp.		
REMARKS: Calibration Cast For 23 APR 24																
Recorder Initials:																
Nis No.	DEPTH	Rosette Notes		Hydro Team-PMEL				Chloro				POC	DNA	Comments		Nis No.
	DESIRED			SALT	Nut.Btl	O2-Btl.No	DIC/AIk	GFF Vol	>10 Large Vol	GFF Dup Vol	>10 dup vol	500 ml				
1	50			371	269			283					E1797			1
2	50			372				283								2
3	40			373				285								3
4	30			374				285					E1706	E1796		4
5	20			375				283								5
6	10			376				279					E1798			6
7	0			377	292			283								7
8																8
9																9
10																10
11																11
12																12
1				Inline O <sub>2</sub> 293									@ 4/30	12:37 UTC		1























VESSEL NOAAS Oscar Dyson		CRUISE ID DY23-06			PROJECT & LEG Spring Mooring Cruise			CTD FileName:					STATION NO. <i>57841</i>						
CONSC CAST #	LATITUDE		LONGITUDE			TIME (GMT)		DRY BULB		RH	Pressure	WIND DIRN.	WIND SPD.	BOTTOM DEPTH		<i>AWI</i> STA. NAME/ID			
	DEG	MIN	DEG	MIN	DAY	MO	YR	HR	MIN	(°C)	(%)	(mb)	(deg)	(kts)	(m)				
	<i>78 53 58.89</i>	N	<i>166 58.55</i>	W	<i>05</i>	<i>MA</i>	<i>23</i>	<i>22</i>	<i>01</i>	<i>2.1</i>	<i>80</i>	<i>1018</i>	<i>23</i>	<i>8</i>	<i>200</i>				
SBE 9+			FLUOR S/N											WEATHER OBS: SFC/Bottom Temp.			MAX. DEPTH = <i>200</i> m		
PRESS SN			SBE43-Oxy (prime)																
PRI TEMP SN			SBE43-Oxy (sec)																
SEC TEMP SN			Transmissometer																
PRI COND SN			PAR S/N																
SEC COND SN			O2 Tmp Senson No																
<i>+ Robin TAR (2x)</i>																			

**Recorder Initials:**













STATION NO.

VESSEL				CRUISE ID				PROJECT & LEG				CTD File Name:				STATION NO.		
NOAAS Oscar Dyson				DY23-06				Spring Mooring Cruise								S85H1		
CONSC CAST #	LATITUDE			LONGITUDE												UT3 STA. NAME/ID		
	DEG	MIN		DEG	MIN		DAY	MO	YR	HR	MIN	DRY BULB	RH	Pressure	WIND DIRN.	WIND SPD.	BOTTOM DEPTH	(m)
	85	54	17.90 N	166	22.04 W		06	MAY	23	16	37	2.9	65	1023	22	6	980	
SBE 9+				FLUOR S/N														
PRESS SN				SBE43-Oxy (prime)														MAX. DEPTH = 975 m
PRI TEMP SN				SBE43-Oxy (sec)														
SEC TEMP SN				Transmissometer														
PRI COND SN				PAR S/N														
SEC COND SN				O2 Tmp Sensor No														
Nis No.	DEPTH DESIRED	Rosette Notes		Hydro Team-PMEL				Chloro	GFF Vol	>10 Large Vol	GFF Dup Vol	>10 dup vol	POC 500 ml	eDNA	Comments		Nis No.	
1	BTM			472		x							x	1813			1	
2	500			473		x							x	1814			2	
3	100			474		x											3	
4	75			475		x											4	
5	50			476		x	283										5	
6	40			477		x	285										6	
7	30			478		x	285										7	
8	20			479		x	283										8	
9	10			480		x	279						x	1815			9	
10	0			481		x	283										10	
11																	11	
12																	12	
1		Inline															1	

WEATHER OBS:

SFC/Bottom Temp.

REMARKS:

SKIPPED UT4 DUE TO SHIP TRAFFIC IN AREA

Pri. oxy still dropping at n odd spots  
@ 775 ↓ primary channels are all add

@ 325 increase to 60 min

pri oxy is very bad or spec'd  
pri sd has issues on ↑ @ 250

Recorder Initials: SB





