

Water Properties Group

Rosette Log

Institute of Ocean Sciences, Ocean Sciences Division, Sidney, BC

Cruise ID: 2810-16

Station: FRI

Event #: 001

CTD File: 001key

UTC Date (dd mmm yyyy): 4 4 2010

Niskin #	Sample #	Oxygen Flask #	Oxygen mL/L	Rosette Operation		Samples Taken														Comments
				Sample Depth	Confirmed ✓	Pressure	Sal	Oxy	Nut	NH ₄	TCO	DIC Alk	C13	Chl	CDOM	APL	DOC	TSS	pH	
1	001	1408	8.15	0	✓	1.29		✓	✓			✓		✓	✓					
2	001			0	✓	1.29	✓													
3															✓		✓	✓	✓	
4																				
5																				
6																				
7																				
8																				
9																				
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17																				
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19																				
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21																				
22																				
23																				
24																				

Ship: VICTORIA
Entered By: WJ
Checked By:

Start Scan:
Bottom Depth: m

Trans Cleaned: (Y/N)

Time	Local	UTC
Start	<u>2455</u>	<u>0245</u>
Bottom		
End		

Start Position
Lat: 49 ° 06.821
Lon: 123 ° 16.652

Bottom Position
Lat: °
Lon: °

End Position
Lat: °
Lon: °

Comments:

see log for explanation on sampling

3 September 2007

<http://www.pac.dfo-mpo.gc.ca/sci/osap/projects/waterproperties/>

★ Stopped titrating @ 82.7% - no endpt established - likely turbidity of sample was the problem

Water Properties Group

Rosette Log

Institute of Ocean Sciences, Ocean Sciences Division, Sidney, BC

Cruise ID: 2040-16

Station: FR2

Event #: 002

CTD File: 002.tex

UTC Date (dd mmm yyyy): 4 4 2010

[illegible]

Ship: VECTOR
Entered By: CW
Checked By:

Start Scan:

Bottom Depth: 11.5m m

Trans Cleaned: Y / N

<i>Time</i>	<i>Local</i>	<i>UTC</i>
Start	2011	0311
Bottom		
End		

Start Position
Lat: 419 ° 06.202
Lon: 123 ° 18.075

Bottom Position
Lat: 0
Lon: 0

End Position	
Lat:	0
Lon:	0

Comments:

2 bottles filled @ surface for all chemistry.

Water Properties Group

Rosette Log

Institute of Ocean Sciences, Ocean Sciences Division, Sidney, BC

Cruise ID: 2010-16

Station: FR3

Event #: 003

CTD File: 003.hox

UTC Date (dd mmm yyyy): 04 Oct 2010

Niskin #	Sample #	Oxygen Flask #	Oxygen mL/L	Rosette Operation		Samples Taken																Comments																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																									
				Sample Depth	Confirmed ☒ Pressure	Sal	Oxy	Nut	NH4	TCO	DIC	Alk	C13	Chl	818	CDOM	MPDC	POC	TPOC	PH																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																											
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Ship: VECTOR
Entered By:
Checked By:

Start Scan:
Bottom Depth: 89m m

Trans Cleaned: Y/N

Time	Local	UTC
Start	<u>20 30</u>	<u>03 30</u>
Bottom	<u></u>	<u></u>
End	<u></u>	<u></u>

Start Position
Lat: 49 ° 06.386
Lon: 123 ° 19.501

Bottom Position
Lat: °
Lon: °

End Position
Lat: °
Lon: °

Comments: colourimeter & dosimat not effectively communicating!
the dosimat kept reading 0.01 and colourimeter kept ↑ through 16
100% but the sample never changed
∴ shut down program and start again

Water Properties Group

Rosette Log

Institute of Ocean Sciences, Ocean Sciences Division, Sidney, BC

Cruise ID: 2010-16

Station: FR4

Event #: 004

CTD File: 004.hex

UTC Date (dd mmm yyyy) 04 Oct 2010

Niskin #	Sample #	Oxygen Flask #	Oxygen mL/L	Rosette Operation		Samples Taken														Comments
				Sample Depth	Confirmed √ Pressure	Sal	Oxy	Nut	NHA	TCO	Alk	C13	Chl	SR	EDOVA	HPIC	DOL	TOL	PHI	
1	004	1314	6.987	0	✓ 1.3	✓	✓	✓		✓	✓		✓	✓	✓	✓	✓	✓	✓	
2	004			0	✓ 1.3	✓								✓	✓	✓	✓	✓	✓	only 94.7%
3			7.054																	
4	004	1330																		
5	duplicate																			
6																				
7																				
8																				
9																				
10																				
11																				
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22																				
23																				
24																				

Ship: IVGCTOL
Entered By:
Checked By:

Start Scan:
Bottom Depth: 150.60 m

Trans Cleaned: Y/N

Time	Local	UTC
Start	<u>20480348</u>	
Bottom		
End		

Start Position
Lat: 49 ° 06.666
Lon: 123 ° 20.957

Bottom Position
Lat:
Lon: °

End Position
Lat: °
Lon: °

Comments: _____

- went into oxy file and fixed header into 00
I accidentally assign the duplicates to FR5 information

Water Properties Group

Rosette Log

Institute of Ocean Sciences, Ocean Sciences Division, Sidney, BC

Cruise ID: 2010-16

Station: FR5

Event #: 605

CTD File: 005.hex

UTC Date (dd mmm yyyy): 4 4 2010

Niskin #	Sample #	Oxygen Flask #	Oxygen mL/L	Rosette Operation		Samples Taken																Comments
				Sample Depth	Confirmed ☒ Pressure	Sal	Oxy	Nut	NH4	TCO	DC Alk	C13	Chl	518	CDOM	DOC	TD	PH	HPLE			
1	05	745	6.864		☒ 1.1																	96.3
2	05				☒ 1.1																	
3																						
4																						
5																						
6																						
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23																						
24																						

Ship: VECTOR
Entered By: AD
Checked By:

Start Scan:
Bottom Depth: 193 m

Trans Cleaned: (Y) N

Time	Local	UTC
Start	<u>2110</u>	<u>0410</u>
Bottom		
End		

Start Position
Lat: 49 ° 07.056
Lon: 123 ° 22.381

Bottom Position
Lat: °
Lon: °

End Position
Lat: °
Lon: °

Comments: _____

ROSETTE LOG

MISSION ID: 2010-16 STATION: FR6 CAST NUMBER: 006 UTC DATE (dd/mm/yyyy): 04 04 2010

Niskin No.	Sample No.	OXY. Flask	OXY. ml/l	ROSETTE OPERATION		Samples taken													
				Sample Depth	Confirmed pressure	SAL		NUT	TCO	DIC	CI3		ALK	CHL					
1	006	1421	6.516			✓		✓	✓	✓		✓	✓	✓	✓	✓	✓	✓	96.37%
2	006					✓		✓	✓						✓	✓	✓	✓	
3																			
4																			
5																			
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22																			
23																			
24																			

Comments: _____

SHIP: VECTOR

ENTERED BY: aw

CHECKED BY: _____

Bottom Depth: 210

Cast # down: 006

Cast # up: 006

Time LOC UTC

Begin: 0434

Bottom: _____

End: _____

START POSITION (GPS)

LAT: 49 07.374

LONG: 123 23.783

BOTTOM POSITION (GPS)

LAT: _____

LONG: _____

END POSITION (GPS)

LAT: _____

LONG: _____

ROSETTE LOG

MISSION ID: 2010-16 STATION: FR7 CAST NUMBER: 007 UTC DATE (dd/mm/yyyy): 04 04 2010

Niskin No.	Sample No.	OXY. Flask	OXY. ml/l	ROSETTE OPERATION		Samples taken												
				Sample Depth	Confirmed pressure	SAL		NUT	TCO	ALK	C13	CHL						
1	007	1298	6.628		✓ 1.18	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	96.490
2	007				✓ 1.18	✓		✓	✓				✓	✓	✓	✓		
3																		
4																		
5																		
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22																		
23																		
24																		

Comments: _____

SHIP: USCGC 2012
ENTERED BY: CW
CHECKED BY: _____

Bottom Depth: 282

Cast # down: 007
Cast # up: 007

Time	LOC	UTC
Begin:	<u>2158</u>	<u>0458</u>
Bottom:	_____	_____
End:	_____	_____

START POSITION (GPS)
LAT: 49 08.034
LONG: 123 26.196

BOTTOM POSITION (GPS)
LAT: _____
LONG: _____

END POSITION (GPS)
LAT: _____
LONG: _____

ROSETTE LOG

MISSION ID: 2010-16 STATION: FR8 CAST NUMBER: 008 UTC DATE (dd/mm/yyyy): 04 04 2010

Niskin No.	Sample No.	OXY. Flask	OXY. m/l	ROSETTE OPERATION		Samples taken												
				Sample Depth	Confirmed pressure	SAL		NUT	TCO	C13	ALK	CHL						
1	008	1488	6.607					✓			✓	✓	✓	✓	✓	✓	✓	96.3%
2	008					✓		✓	✓				✓	✓	✓	✓		
3																		
4																		
5																		
6																		
7																		
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19																		
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21																		
22																		
23																		
24																		

Comments:

SHIP: VECTOR
ENTERED BY: CW
CHECKED BY:

Bottom Depth: 321m

Cast # down: 008
Cast # up: 008

Time LOC UTC
Begin: 2217 0517
Bottom:
End:

START POSITION (GPS)
LAT: 49 08.695
LONG: 123 28.592

BOTTOM POSITION (GPS)
LAT:
LONG:

END POSITION (GPS)
LAT:
LONG:

Water Properties Group

Rosette Log

Institute of Ocean Sciences, Ocean Sciences Division, Sidney, BC

Cruise ID: 2010-16

Station: FR9

Event #: 009

CTD File: 009.hxy

UTC Date (dd mmm yyyy): 04 04 2010

Niskin #	Sample #	Oxygen Flask #	Oxygen mL/L	Rosette Operation		Samples Taken														Comments
				Sample Depth	Confirmed ☒ Pressure	Sal	Oxy	Nut	NHA	TCO	DC Alk	C13	Chl	HLC	SiO	pH	PO	TOC	CO ₂ H	
1	009	1247	6.426	0	1.18		✓				✓		✓	✓	✓	✓	✓	✓	✓	97%
2	009			0	1.18	✓		✓							✓	✓	✓	✓	✓	
3																				
4																				
5																				
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22																				
23																				
24																				

Ship: VECTA
Entered By: T
Checked By:

Start Scan:
Bottom Depth: 349 m

Trans Cleaned: Y/N

Time	Local	UTC
Start	<u>2237</u>	<u>0538</u>
Bottom		
End		

Start Position
Lat: 49 ° 9.324
Lon: 123 ° 30.918

Bottom Position
Lat: °
Lon: °

End Position
Lat: °
Lon: °

Comments: _____

Water Properties Group

Rosette Log

Institute of Ocean Sciences, Ocean Sciences Division, Sidney, BC

Cruise ID: 2010-166 Station: FR10 Event #: 0010 CTD File: 0010.hwp UTC Date (dd mmm yyyy): 04 Oct 2010

Niskin #	Sample #	Oxygen Flask #	Oxygen mL/L	Rosette Operation		Samples Taken																Comments
				Sample Depth	Confirmed ☒ Pressure	Sal	Oxy	Nut	NHA	TCO	PC Alk	C13	Chl	HPDC	5180	CO2	DOC	TOC	PH			
1	0010	1320	6.368		1.25		✓				✓		✓	✓	✓							97.10%
2	0010				1.25	✓		✓							✓	✓	✓	✓	✓			
3																						
4																						
5																						
6																						
7																						
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22																						
23																						
24																						

Ship: NOGATOP
Entered By: cm
Checked By:

Start Scan:
Bottom Depth: 373 m

Trans Cleaned: Y/N

Time	Local	UTC
Start	<u>2258</u>	<u>0558</u>
Bottom		
End		

Start Position
Lat: 49 ° 09.90
Lon: 123 ° 32 872

Bottom Position
Lat: °
Lon: °

End Position
Lat: °
Lon: °

Comments: _____

ROSETTE LOG

MISSION ID: 2010-16 STATION: SGN CAST NUMBER: 0011 UTC DATE (dd/mm/yyyy): 04/04/2010

Niskin No.	Sample No.	OXY. Flask	OXY. m/l	ROSETTE OPERATION		Samples taken										
				Sample Depth	Confirmed pressure	SAL		NUT		TCO		CI3				
1				200												water for sediment traps.
2				200												
3				200												
4				200												
5																
6																
7																
8																
9																
10																
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23																
24																

Comments:

SHIP: USCGC 0512
ENTERED BY: cu
CHECKED BY:

Bottom Depth:

Cast # down: 011
Cast # up: 011

Time	LOC	UTC
Begin:		
Bottom:		
End:		

START POSITION (GPS)
LAT: 49
LONG: 124 51.802

BOTTOM POSITION (GPS)
LAT: 49 49.988
LONG: 124 51.802

END POSITION (GPS)
LAT:
LONG:

ROSETTE LOG

MISSION ID: 2010-16 STATION: 506N CAST NUMBER: 0012 UTC DATE (dd/mm/yyyy): 05/04/2010

Niskin No.	Sample No.	OXY. Flask	OXY. ml/l	ROSETTE OPERATION		Samples taken												
				Sample Depth	Confirmed pressure	SAL		NUT	180	TCO	PIC	CI3	440	CDOM	PH	TOC	DOC	
1	0012	3097	2.865	Bot-10	✓ 335		✓				✓		✓					close to instr depth
2	0012			Bot-10	✓ 335	✓		✓	✓					✓	✓	✓	✓	on mooring
3	0013	3016	3.163	250	✓ 248		✓				✓		✓					
4	0013			250	✓ 248	✓		✓	✓					✓	✓	✓	✓	
5	0014	3094	3.339	200	✓ 200.8		✓	✓	✓		✓		✓					
6	0014			200	✓ 200.69	✓								✓	✓	✓	✓	
7	0015	2025	3.370	150	✓ 148		✓	✓	✓		✓		✓					
8	0015			150	✓ 148	✓								✓	✓	✓	✓	
9	0016	3024	5.112	100	✓ 100		✓	✓	✓		✓		✓					
10	0016			100	✓ 100	✓								✓	✓	✓	✓	
11	0017	1312	5.516	75	✓ 77		✓	✓	✓		✓		✓					Went down to 50db
12	0017			75	✓ 77	✓								✓	✓	✓	✓	then back up to 75
13	0018	3196		50	✓ 43		✓	✓	✓		✓		✓					500 Log with DP
14	0018			50	✓ 43	✓								✓	✓	✓	✓	ket
15	0019	3206	5.984	25	✓ 25		✓	✓	✓		✓		✓					CTD started crazy
16	0019			25	✓ 25	✓								✓	✓	✓	✓	data much worse
17	0020	3157	6.143	15	✓ 15		✓	✓	✓		✓		✓					around this point.
18	0020			15	✓ 15	✓		✓						✓	✓	✓	✓	
19	0021	2092	6.345	10	✓ 10		✓				✓		✓					
20	0021			10	✓ 10	✓	✓	✓	✓					✓	✓	✓	✓	
21	0022	3161	6.402	5	✓ 7.4						✓		✓					
22	0022			5	✓ 7.4	✓		✓	✓					✓	✓	✓	✓	
23	0023	2065		surface	✓ 0		Bot	23	23	23	23	23	23	23	23	23	23	stopped vibrating
24	0023			surface	✓ 0													at 43.5

SHIP: VECTRA
ENTERED BY: Cindy/Lucius
CHECKED BY:

Bottom Depth: 336

Cast # down: 0012

Cast # up: 0012

Time	LOC	UTC
Begin:	1822	0122
Bottom:		0130
End:		0152

START POSITION (GPS)
LAT: 49 49.925
LONG: 124 52.172

BOTTOM POSITION (GPS)
LAT: 49 49.916
LONG: 124 52.182

END POSITION (GPS)
LAT: 49 49.736
LONG: 124 52.190

Comments:

0012 duplicate; flask 2014 = 2.872
0023 duplicate; flask 1128 = 6.432
= sample id 199 } funny the program let me do a "b" duplicate above
but this time wouldn't allow text

ROSETTE LOG

MISSION ID: 2010-16 STATION: SOGS CAST NUMBER: 0013 UTC DATE (dd/mm/yyyy): 05/04/2010

Niskin No.	Sample No.	OXY. Flask	OXY. ml/l	ROSETTE OPERATION		Samples taken												
				Sample Depth	Confirmed pressure	SAL		NUT	TCO	DIC	C13	ALK	CHL					
1	024	1395	2.928	bottom	3/4			✓		✓			✓					5 mab
2	024			bottom	3/4	✓		✓	✓					✓	✓	✓		
3	025	1318		250	249			✓		✓			✓					colourimeter
4	025			250	249	✓		✓	✓					✓	✓	✓		screwed up
5	026	1338	3.626	200	201			✓		✓			✓					
6	026			200	201	✓		✓	✓					✓	✓	✓		98.6%
7	027	1322	4.697	150	150			✓		✓			✓					
8	027			150	150	✓		✓	✓					✓	✓	✓		
9	028	94	5.551	100	100			✓		✓			✓					98.6%
10	028			100	100	✓		✓	✓					✓	✓	✓		
11	029	708	5.546	75	75			✓		✓			✓					98.3
12	029			75	75	✓		✓	✓					✓	✓	✓		
13	030	1392	5.661	50	50			✓		✓			✓					97.6 - bad
14	030			50	50	✓		✓	✓					✓	✓	✓		endpoint!
15	031	1313		25	25			✓		✓			✓					colourimeter problem
16	031			25	25	✓		✓	✓					✓	✓	✓		see log
17	032	1401	6.159	15	15			✓		✓			✓					
18	032			15	15	✓		✓	✓					✓	✓	✓		
19	033	1309	6.351	10	10			✓		✓			✓					
20	033			10	10	✓		✓	✓					✓	✓	✓		
21	034	1397	6.422	5	5			✓		✓			✓					
22	034			5	5	✓		✓	✓					✓	✓	✓		
23	035	1473	6.424	surface	1.3			✓		✓			✓					
24	035			surface	1.3	✓		✓	✓					✓	✓	✓		

SHIP: Vector
 ENTERED BY: DJS
 CHECKED BY:

Bottom Depth: 3/6

Cast # down: 0013

Cast # up: 0013

Time	LOC	UTC
Begin:		1423
Bottom:		1433
End:		1453

START POSITION (GPS)
 LAT: 49
 LONG: 123

BOTTOM POSITION (GPS)
 LAT: 49 1.901
 LONG: 123 25.903

END POSITION (GPS)
 LAT: 49
 LONG: 123

Comments:

no taken from gold # of bottles