

Rosette sampling log mission 2006-18

Cast # 113
Station BNS-14
CTD Filename 200618-113.dcf
Date (UTC) 29 Sept.
UTC/Local time 1205
CTD Operator H. R. R. R.

In-air press 0.2
Ice (tenths) 0
Start Scan 7201
(w/o +9 hull correction / sound speed)
Water Depth 118
Lat (N) 75°49.986
Lon (W) 67°0.173

Beauty!
6 icebergs right
outside the window!

Samp #	Target property	Target depth	ROS BOT #	BOTTLE INTEGRITY	CFC	CFC Syringe #	CFC DUP Syringe #	He	Diss. OXY	OXY FLASK #	OXY DUP FLASK #	OXY Trip FLASK #	DIC	C-13	POC	TOTAL CHL a	Phylo	Bacteria	FW-Alkalinity	SALINITY	NUTRIENTS	NH4	O18	Ba	H-3	I-129	CA-137	TSS
1798	Bottom	119 + 5	✓	1	✓	7417			✓	3092	3094								✓	✓	✓	3	✓	✓				
1799		100	✓	2	✓	7166	9054		1	3096																		
1800		75	✓	3	✓					3097																		
1801		50	✓	4	✓					3098																		
1802		30	✓	5	✓					3098																		
1803		20	✓	6	✓					3151																		
1804		10	✓	7	✓					3157																		
1805		5	✓	8	✓	7475			✓	3160	3161																	
				9																								
				10																								
				11																								
				12																								
				13																								
				14																								
				15																								
				16																								
				17																								
				18																								
				19																								
				20																								
				21																								
				22																								
				23																								
				24																								

Comments :

↑
add 2 dups

↑
2 dups

↑
2 dups

expected Z=120
single vly
mg chloride tubing suspect - see Mich. vol

111 at 1:11 am

Rosette sampling log mission 2006-18

Cast # 111
Station BNS-13
CTD Filename 200618-111.dat

Date (UTC) 29 Sept
UTC/Local time 6:07
CTD Operator Helen Drost

In-air press 0.3
Ice (tenths)
Start Scan

(w/o +9 hull correction / sound speed)
Water Depth 437 / 1490 m/s
Lat (N) 75°41.624
Lon (W) 67°05.684

Need to finish!

Samp #	Target property	Target depth	ROS BOT #	BOTTLE INTEGRITY	CFC	CFC Syringe #	CFC DUP Syringe #	He	Diss. OXY	OXY FLASK #	OXY DUP FLASK #	OXY Trip FLASK #	DIC	C-13	POC	TOTAL CHL a 0.3u	Phyco	Bacteria	FW-Alkalinity	SALINITY	NUTRIENTS	NH4	O18	Ba	H-3	I-129	Cs-137	TSS	
1779	Bottom	426.75.7	1	✓	✓	7417			✓	3003										✓	✓		✓	✓					expected z = 450
1780		420 ✓	2	✓	✓	9066			✓	3004	3040																		double NH4
1781		400 ✓	3	✓	✓	8980	7352		✓	3006	*3067								✓			3							test # 3 not shaken well dup.
1782		350 ✓	4	✓		7357				3007																			
1783		300 ✓	5	✓		7433				3009											✓								
1784		275 ✓	6	✓		7166				3012																			
1785		250 ✓	7	✓		8978				3016																			
1786		225 ✓	8	✓		8553				3018																			
1787		200 ✓	9	✓		7332				3019									✓	✓		2							
1788		175 ✓	10	✓		7460				3024											✓								
1789		150 ✓	11	✓		7676				3028																			
1790		125 ✓	12	✓		7383				3033																			
1791		100 ✓	13	✓	✓	9061	7637			3034													✓	✓					
1792		75 ✓	14	✓		7223				3038																			
1793		50 ✓	15	✓		7829				3048									✓		✓								
1794		30 ✓	16	✓		7201				3051																			
1795		20 ✓	17	✓		9069				3052																			
1796		10 ✓	18	✓		7504				3055										✓									
1797		5 ✓	19	✓	✓	8995			✓	3058									✓	✓	✓	2	✓	✓					
			20																										
			21																										
			22																										
			23																										
			24																										

Comments :

↑
Case #
add
2 dups!
+ 1 photo

↑
double NH4

#3 water run out
Ba & Nuts taken from
ALK bottle

Rosette sampling log mission 2006-18

Cast # 109
Station BNS-12
CTD Filename 200618-109.ctd

Date (UTC) 28 Sept 2006
UTC/Local time 2311 / 17 pm EDT
CTD Operator SZ

In-air press 0.3
Ice (tenths) 0
Start Scan 11:00:00
(w/o +9 hull correction / sound speed)
Water Depth 400 / 1490
Lat (N) 75 31.946
Lon (W) 67 00.090

single NH₄

Samp #	Target property	Target depth	ROS BOT #	BOTTLE INTEGRITY	CFC	CFC Syringe #	CFC DUP Syringe #	He	Diss. OXY	OXY FLASK #	OXY DUP FLASK #	OXY Trip FLASK #	DIC	C-13	POC	TOTAL CHL a	Phyto	Bacteria	FW Alkalinity	SALINITY	NUTRIENTS	NH4	O18	Ba	H-3	I-129	Cs-137	TSS	
1761	Bottom		1✓	✓✓	✓	7353	7201		✓	3092	3094								✓✓	✓	✓✓	2	✓	✓					expected z = 390
1762		350	2✓	✓✓						3096										✓									
1763		300	3✓	✓✓	✓	7488				3097																			
1764		275	4✓	✓✓						3098																			
1765		250	5✓	✓✓						3198											✓								
1766		225	6✓	✓✓						3151																			
1767		200	7✓	✓✓	✓	7678				3157									✓			✓							
1768		175	8✓	✓✓					✓	3160	3161																		
1769		150	9✓	✓✓					✓	3166	3164																		
1770		125	10✓	✓✓						3171										✓	✓								
1771		100	11✓	✓✓	✓	7383				3174																			
1772		100	12																										extra in case 11 doesn't close
1773		75	13✓	✓✓						3178																			
1774		50	14✓	✓✓						3180									✓✓										
1775		30	15✓	✓✓						3182											✓	✓							
1776		20	16✓	✓✓						3186																			
1777		10	17✓	✓✓						3187																			
1778		5	18✓	✓✓	✓	9861			✓										✓	✓	✓	✓	✓	✓	✓				
			19																										
			20																										
			21																										
			22																										
			23																										
			24																										

Comments :

5

↑
Case #4
2 dup:
~~1177~~

↑
single
w/ 2
dups

3

Rosette sampling log mission 2006-18

Cast # 106 107
Station BWS-11
CTD Filename 200618-107

Date (UTC) 28 SEPT 06
UTC/Local time 1826 / 1926
CTD Operator STEVE

In-air press 0.3 / 0.2
Ice (tenths) 10849
Water Depth 425
Lat (N) 25° 18.88
Lon (W) 67° 0.65

NOT Finished

double NH₄

Samp #	Target property	Target depth	ROS BOT #	BOTTLE INTEGRITY	CFC	CFC Syringe #	CFC DUP Syringe #	He	Dis. OXY	OXY FLASK #	OXY DUP FLASK #	OXY Trip FLASK #	DIC	C-13	POC	TOTAL CHL a g/L	Phylo	Bacteria	FW-Alkalinity	SALINITY	NUTRIENTS	NH4	O18	Ba	H3	X-129	Ce-137	TSS		
1747	Bottom	421	✓1	✓✓	✓	7166			✓												✓	✓		✓	✓					expected Z = 420
1748		400	✓2	✓✓	✓	8978	7332			3004										✓			4							
1749		350	✓3	✓✓						3006																				
1750		300	✓4	✓✓	✓	7417				3007											✓									
1751		275	✓5	✓✓						3009																				
1752		250	✓6	✓✓					✓✓	3082	3012	2099										✓								
1753		225	✓7	✓✓						3016																				
1754		200	✓8	✓✓	✓	9066				3018										✓			2							
1755		175	✓9	✓✓						3019																				
1756		150	✓10	✓✓						3024																				
1757		125	✓11	✓✓						3028												✓								
1758		100	✓12		✓	9980																	2							(4) NH4 total
1759		75	✓13	✓✓						3034																				
1760		50	✓14	✓✓						3038										✓✓										
1761		30	✓15	✓✓						3048											✓	✓								
1762		20	✓16	✓✓						3051																				
1763		10	✓17	✓✓						3052													✓	✓						
		5	✓18	✓✓	✓	7357			✓	3055										✓	✓	✓	2	✓	✓					
			19																											
			20																											
			21																											
			22																											
			23																											
			24																											

Comments :

6

↑
case #2

107-2

4

Rosette sampling log mission 2006-18

Cast # 105
Station BNS-10
CTD Filename 200618-105.dat

Date (UTC) 28 Sept
UTC/Local time 10:10
CTD Operator Helen Dwyer

In-air press 0.2
Ice (tenths) 744
Start Scan

(w/o +9 hull correction / sound speed)
Water Depth 56. / 1990m/s
Lat (N) 75091.82 N
Lon (W) 61059.536 W

Samp #	Target property	Target depth	ROS BOT #	BOTTLE INTEGRITY	CFC	CFC Syringe #	CFC DUP Syringe #	He	Diss. OXY	OXY FLASK #	OXY DUP FLASK #	OXY Trip FLASK #	DIC	C-13	POC	TOTAL CHL 0.7u	Phyto	Bacteria	FW-Alkalinity	SALINITY	NUTRIENTS	NH4	O18	Ba	H-3	I-129	Cs-137	TSS	
1725	Bottom	473+9.6 ✓	1	VV	✓	7678			✓	3100										✓	✓		✓	✓					expected z = 480
1726		450 ✓	2	VV	✓	7383				3104											✓	✓							
1727		400 ✓	3	VV	✓	7637	9061			3107										✓	✓		✓						
1728		350 ✓	4	VV						3108											✓	✓							
1729		300 ✓	5	VV	✓	7223			✓	3109	3103										✓	✓							
1730		275 ✓	6	VV						3116												✓	✓						
1731		250 ✓	7							3118											✓	✓							
1732		225 ✓	8	✓						3121												✓	✓						
1733		200 ✓	9	✓	✓	7353				3123									✓	✓		✓							
1734		175 ✓	10	VV					✓	3124	3189	3209										✓	✓						
1735	1155	150 ✓	11	VV						3126								✓											
1736		125 ✓	12	✓						3199											✓	✓							
1737		100 ✓	13	VV	✓	7381				3135								✓											
1738		75 ✓	14	✓						3137										✓	✓								
1739		50 ✓	15	✓					✓	3207	3142								✓	✓									
1740		30 ✓	16	✓						3159											✓	✓							
1741		20 ✓	17	✓						3181								✓			✓	✓							
1742		5 ✓	18	(?)					✓	3183								✓			✓	✓	✓	✓	✓	✓	✓	✓	did not line
			19																										
			20																										
			21																										
			22																										
			23																										
			24																										

Comments :

7?

↑
case #
2 dup
1 trip

Sweep #18 + #7 for 23+24 bottles.

Did not Δ gear.
Stopped 2x's mal ↓ ad
mal ↑

Rosette sampling log mission 2006-18

Cast # 104
Station BNS-09
CTD Filename 2006-18-104-12-1

Date (UTC) 28 Sep 2006
UTC/Local time 0213
CTD Operator ST

In-air press 0.4
Ice (tenths) 0
Start Scan 12900

(w/o +9 hull correction / sound speed)

Water Depth 674 / 1490
Lat (N) 74 57.989
Lon (W) 67 0.028

Samp #	Target property	Target depth	ROS BOT #	BOTTLE INTEGRITY	CFC	CFC Syringe #	CFC DUP Syringe #	He	Diss. OXY	OXY FLASK #	OXY DUP FLASK #	OXY Trip FLASK #	DIC	C-13	POC	TOTAL CHL _a 0.7u	Phyto	Bacteria	FW-Alkalinity	SALINITY	NUTRIENTS	NH4	O18	Ba	H-3	I-129	Cs-137	TSS	
1705	Bottom		✓1	✓✓	✓	9061			✓	2007										✓	✓		✓	✓					expected z = 670
1706		600	✓2	✓✓	✓	9837	9978			2014	2015																		
1707		500	✓3							2015																			did not trip.
1708		400	✓4	✓✓		7353				2017									✓			12							
1709		350	✓5	✓✓		7332				2027									✓										
1710		300	✓6			7417				2032											✓								
1711		275	✓7	X✓		9024	9114			2033																			valve in ^{air} so slow leak
1712		250	✓8	✓✓		9066				2044																			
1713		225	✓9	✓✓		8980				2047																			
1714		200	✓10	✓✓	✓✓	7629	7357			2089	2049	2056							✓			2							
1715		175	✓11	✓✓		7488				2051											✓								
1716		150	✓12	✓✓		7166				2059							✓												
1717		125	✓13	✓✓		9054				2060																			
1718		100	✓14	✓✓		7445				2061							✓												
1719		75	✓15	✓✓		7352				2063							✓												
1720		50	✓16	✓✓		9069				2064									✓		✓								
1721		30	✓17	✓✓		7504				2068																			
1722		20	18	✓✓		7433				2069							✓												
1723		5	19		✓				✓	2073							✓		✓	✓	✓	2	✓	✓					
1724			20																										
1725			21																										
1726			22																										
1727			23																										
1728			24																										

Comments :

on downcast, 1st wire
angle first under the
ship so stopped rosette.
Then +20 to +20 dg starboard.

III
CASE

add
2 dup
1 trip

Rosette sampling log mission 2006-18

Cast # 102
 Station BNS-08
 CTD Filename 200618-102.cnt

Date (UTC) 27 Sept 2006
 UTC/Local time 1809 / 2pm
 CTD Operator Steve Smith

In-air press 0.3
 Ice (tenths) 0
 Start Scan

(w/o +9 hull correction / sound speed)

Water Depth 1704 / 1490
 Lat (N) 74 47.021
 Lon (W) 67 0.044

218

Samp #	Target property	Target depth	ROS BOT #	BOTTLE INTEGRITY	CFC	CFC Syringe #	CFC DUP Syringe #	He	Dis. OXY	OXY FLASK #	OXY DUP FLASK #	OXY Trip FLASK #	DIC	C-13	POC	TOTAL CHL _a _{0.7u}	Phyto	Bacteria	FW-Alkalinity	SALINITY	NUTRIENTS	NH4	O18	Ba	H-3	I-129	Ce-137	TSS	
1681	Bottom	1688	✓1	✓					✓	3003										✓	✓		✓	✓					expected 2 = 1694
82		1600	✓2	✓	✓	7223			✓	3004	3040									✓	✓								
83		1500	✓3	✓						3006									✓	✓	✓								
84		1375	✓4	✓						3007																			
85		1200	✓5	✓	✓	7383	7618			3009																			
86		1000	✓6	✓	✓	8968			✓	3075	2099	3082																	
87		800	✓7	X✓						3016																			
88	(59)	600	✓8	✓	✓	7201				3018											✓								
89		500	✓9	✓						3019																			
90		400	✓10	✓	✓	8995				3024																			
91		350	✓11	✓						3028																			
92		300	✓12	✓						3033																			
93		250	✓13	✓	✓					3034											✓								
94		225	✓14	✓						3038																			→ one but wants to drip from bottom
95		200	✓15	✓	✓	7357				3048										✓									
96		175	✓16	✓	✓					3051																			
97		150	✓17	✓						3052																			
98		125	✓18	✓						3055																			
99		100	✓19	✓																									did not fire!
1700		75	✓20	✓						3057	3089																		
01		50	✓21	✓						3061																			
02		30	✓22	✓						3063																			
03		20	✓23	✓						3043																			
04		5	✓24	✓						3047																			

Comments :

↑
6.2↑
CASE #↑
dups get pickled in brown bottle

LOST @ 650 M
 ONLY SPEED INDICATOR 59 M/min
 GOOD @ 275 ✓

①

Rosette sampling log mission 2006-18

Cast # 100
Station BNS-07
CTD Filename 200618-0100.dat

Date (UTC) 27 Sept
UTC/Local time 1015
CTD Operator Helen Drost

In-air press
Ice (tenths)
Start Scan

0.2
0
10500
140761

(w/o +9 hull correction / sound speed)

Water Depth 2155 (1490 m/s)
Lat (N) 74°33.024 N
Lon (W) 166°59.651

2045 slw
1630°

Samp #	Target property	Target depth	ROS BOT #	BOTTLE INTEGRITY	CFC	CFC Syringe #	CFC DUP Syringe #	He	Dis. OXY	OXY FLASK #	OXY DUP FLASK #	OXY Trip FLASK #	DIC	C-13	POC	TOTAL CHL _{0.7u}	Phyto	Bacteria	FW-Alkalinity	SALINITY	NUTRIENTS	NH4	O18	Ba	H-3	I-129	Ce-137	TSS	
1657	Bottom	2102+10	1	✓					✓	3100										✓	✓		✓	✓					expected z = 2142
1658		2000 ✓	2	✓						3104										✓									
1659		1750 ✓	3	✓						3107																			
1660		1500 ✓	4	✓	✓	9114				2108																			
1661		1350 ✓	5	✓					✓	2113	3109																		
1662		1000 ✓	6	✓	✓	7353				3116											✓	14							
1663		750 ✓	7	✓						3118																			
1664		625 ✓	8	✓						3121																			0.1 ng @ bottom.
1665		500 ✓	9	✓						3123									✓										
1666		400 ✓	10	✓	✓	7332	7417			3124	3189																		
1667		350 ✓	11																		✓		✓	✓					did not close!
1668		300 ✓	12	✓						3119											✓		✓	✓					
1669		250 ✓	13							3135																			
1670		225 ✓	14	✓						3137																			
1671		200 ✓	15	✓	✓	8980			✓	3142	3207								✓			✓							
1672		175 ✓	16	✓						3159																			
1673		150 ✓	17	✓						3181								✓											
1674		125 ✓	18	✓						3183								✓											very tight stopcock (P)
1675		100 ✓	19	✓						3200								✓											
1676		75 ✓	20	✓						3201								✓											
1677		50 ✓	21	✓						3202								✓											
1678		35 ✓	22	✓						3203								✓											
1679		20 ✓	23	✓						3204								✓											
1680		5 ✓	24	✓					✓	3206								✓											

Comments :

* (Transmissometer glitch at 1600m) ↑
20m way down

* O₂ sensor dinged @ ~200m upcast.

↑
CASE # 3
Add dup's!?

↑
2 per
2 per
10113
Ammoniums 2x 5m → 200m,
14x 1000m

• ↑ 597 Δ gear to low.

④

Rosette sampling log mission 2006-18

Cast # 99
Station BAIS-06
CTD Filename LSSC-2006-99

Date (UTC) 27 Sept
UTC/Local time 02061
CTD Operator Cap. Potts / 57

In-air press 0.2
Ice (tenths) 1
Start Scan 1

(w/o +9 hull correction / sound speed)
Water Depth 2232 1490 m/s
Lat (N) 74°16.920
Lon (W) 67°0.437

Samp #	Target property	Target depth	ROS BOT #	BOTTLE INTEGRITY	CFC	CFC Syringe #	CFC DUP Syringe #	He	Dis. OXY	OXY FLASK #	OXY DUP FLASK #	OXY Trip FLASK #	DIC	C-13	POC	TOTAL CHL _a 0.7u	Phyto	Bacteria	FW-Alkalinity	SALINITY	NUTRIENTS	CHL	O18	Ba	H-3	I-129	Ce-137	TSS	
1633	Bottom	2198	1	✓	✓	7353			✓	2007										✓	✓		✓	✓					expected z = 2220
1634		2100	2	✓		7475			✓	2014	2015									✓	✓								
1635		2000	3	✓		8998				2017																			
1636		1750	4	✓	✓	7480	7223			2025																			
1637		1500	5	✓		7504				2027																			
1638		1250	6	✓	✓	79837	7678			2032																			
1639		1000	7	X✓		7332				2033										✓		✓							
1640		750	8	✓	✓	7352				2044										✓									
1641		500	9	✓	✓	8768				2047																			
1642		400	10	✓	✓	7166			✓	2089	2049	2091																	
1643		350	11	✓	✓	9024				2051																			
1644		300	12	✓	✓	9054				2059											✓								
1645		250	13	✓	✓	9114				2060																			
1646		225	14	✓	✓	8995				2061																			
1647		200	15	✓	✓	7357				2063										✓	✓								
1648		175	16	✓	✓	7629				2064																			
1649		150	17	✓	✓	7069				2068									✓			✓							
1650		125	18	✓	✓	7061				2069									✓										
1651		100	19	✓	✓	7417	7201			2073									✓										
1652		75	20	✓	✓	9066			✓	2074	2085																		
1653		50	21	✓	✓	7637				2084																			
1654		35	22	✓	✓	8780				2086											✓								
1655		20	23	✓		7383				2087									✓				✓	✓					
1656		5	24	✓	✓	7433			✓	2088									✓	✓	✓	✓	✓	✓					

Comments :

↑
CASE
#1

2P⁰

Rosette sampling log mission 2006-18

Cast # 98
Station BNS-05
CTD Filename 200618-098

Date (UTC) 26 SEPT 06
UTC/Local time 1913 / 15:13 LCL
CTD Operator STEVE

In-air press 0.3
Ice (tenths) ✓
Start Scan 14737

(w/o +9 hull correction / sound speed)

Water Depth 2264
Lat (N) 73° 57.87
Lon (W) 67° 0.56

* 221+222
chummers

Samp #	Target property	Target depth	ROS BOT #	BOTTLE INTEGRITY	CFC	CFC Syringe #	CFC DUP Syringe #	He	Diss. OXY	OXY FLASK #	OXY DUP FLASK #	OXY Trip FLASK #	DIC	C-13	POC	TOTAL CHL _{0.7u}	Phyto	Bac	FW-Alkalinity	SALINITY	NUTRIENTS	NH4	O18	Ba	H-3	I-129	Cs-137	TSS	
1609	Bottom	2228	✓1	✓✓					✓	3003										✓	2		✓	✓					expected z = 2244
1610		2150	✓2	✓✓					✓	3004	3040																		
1611		2000	✓3	✓✓						3006											✓								
1612		1750	✓4	✓✓						3007										✓									
1613		1500	✓5	✓✓	✓	7637	8980			3008																			
1614		1250	✓6	✓✓					✓✓	3082	3075	3012																	
1615		1000	✓7	✓✓	✓	7201				3016										✓		2							
1616		750	✓8	✓✓						3018											✓								
1617		500	✓9	✓✓						3019																			
1618		400	✓10	✓✓	✓	7303				3024																			
1619		350	✓11	✓✓						3028																			
1620		300	✓12	✓✓						3033																			
1621		250	✓13	✓✓						3034											✓								
1622		225	✓14	✓✓						3038																			
1623		200	✓15	✓✓	✓	7433				3048										✓		2							
1624		175	✓16	✓✓						3051											✓								
1625		150	✓17	✓✓						3052																			
1626		125	✓18	✓✓						3055											✓								
1627		100	✓19	✓✓					✓	3069	3058																		
1628		75	✓20	✓✓						3057																			
1629		50	✓21	✓✓						3061																			
1630		35	✓22	✓✓						3063																			
1631		20	✓23	✓✓						3043											✓								
1632		5	✓24	✓✓					✓	3047										✓	✓	2	2	✓	✓				

Comments :

↑
9.28
20:00
73°57.81
67°0.90

↑
CASE #

(583 CHANGE GEARS)

STOP SCAN
138793

↑
IMS DISPLAY
READ ONLY CABLE OUT & RATE
FOR RIDE TO SURFACE
11ND MESSAGE

Rosette sampling log mission 2006-18

Cast # 97
Station BNS-04
CTD Filename 2006-18-097.dat

Date (UTC) 26 Sept
UTC/Local time 1223 / 0823
CTD Operator John Wink

In-air press 0.2 / 0.2db
Ice (tenths) 8
Start Scan 17665

(w/o +9 hull correction / sound speed)
Water Depth 2354 (1490m/s)
Lat (N) 73°40.838
Lon (W) 46°59.976

Samp #	Target property	Target depth	ROS BOT #	BOTTLE INTEGRITY	CFC	CFC Syringe #	CFC DUP Syringe #	He	Diss. OXY	OXY FLASK #	OXY DUP FLASK #	OXY Trip FLASK #	DIC	C-13	POC	TOTAL CHL a 0.7u	Phyto	Bacteria	FW-Alkalinity	SALINITY	NUTRIENTS	NH4	O18	Ba	H-3	I-129	Ce-137	TSS	
1585	Bo Hum	2320+6	✓1	✓✓					✓	2007											✓	✓	✓	✓					
1586		2250	✓2	✓✓					✓	2014	2015																		
1587		2000	✓3	✓✓						2017																			
1588		1750	✓4	✓✓	✓	7504	9837			2025																			
1589		1500	✓5	✓✓						2027											✓	✓							
1590		1250	✓6	✓✓						2032										✓									
1591		1000	✓7	✓✓	✓	7332				2033																			
1592	(740)	750	✓8	✓✓						2044																			
1593		500	✓9	✓✓						2047																			
1594		400	✓10	✓✓	✓	7352			✓✓	2049	2056											✓							
1595		350	✓11	✓✓						2051																			
1596		300	✓12	✓✓						2059																			
1597		250	✓13	✓✓						2060																			
1598		225	✓14	✓✓						2061																			
1599		200	✓15	✓✓	✓	8968				2063										✓		✓							
1600		175	✓16	✓✓						2064											✓								
1601		150	✓17	✓✓						2068								✓											
1602		125	✓18	✓✓						2069																			
1603		100	✓19	✓✓						2073												✓							
1604		75	✓20	✓✓					✓	2074																			
1605		50	✓21	✓✓						2084																			
1606		35	✓22	✓✓						2086																			
1607		20	✓23	✓✓						2087																			
1608		5	✓24	✓✓					✓	2088											✓		✓						

Comments :

12:18
23

12:39 @ 600
CHANGE GEAR
13:40 @ 600
GEAR CHANGE

73° 41:00
66° 59:99
13:11

13:56 SURFACE
73° 41:182
67° 0:139

Rosette sampling log mission 2006-18

Cast # 96
Station BNS-03
CTD Filename 200618_096.ctd

Date (UTC) Sept 26
UTC/Local time 439 / 1239
CTD Operator Helen Dwyer

In-air press 0/0.2
Ice (tenths) 8
Start Scan 10205

(w/o +9 hull correction / sound speed)
Water Depth 2376 / 1490m/s
Lat (N) 73°22.625 N
Lon (W) 67°1.394 W

Samp #	Target property	Target depth	ROS BOT #	BOTTLE INTEGRITY	CFC	CFC Syringe #	CFC DUP Syringe #	He	Dis. OXY	OXY FLASK #	OXY DUP FLASK #	OXY Trip FLASK #	DIC	C-13	POC	TOTAL CHL 0.7u	Phyto	Bacteria	FW-Alkalinity	SALINITY	NUTRIENTS	NH4	O18	Ba	H-3	I-129	Ce-137	TSS
1561	bottom	2340+3.1	1	VV	✓	9054			✓	3092	3094									✓	2		✓	✓				
1562		2250	2	VV		9114				3096											✓							
1563		2000	3	VV		9066				3097																		
1564		1750	4	VV	✓	8968	7475			3098																		
1565		1500	5	VV		7629				3198																		
1566		1250	6	VV	✓	9069	8980			3151										✓								
1567		1000	7	VV		7201				3157											✓	✓						
1568		750	8	VV		7332			✓	3160	3161	3164																
1569		500	9	VV		8978				3166																		
1570		400	10	VV		7357				3171												✓						
1571		350	11	VV		9837				3174																		
1572		300	12	VV		7681				3177											✓							
1573		250	13	VV		7223				3178																		
1574		225	14	VV		7166				3180																		
1575		200	15	VV		8995				3182										✓		✓						
1576		175	16	VV		7488				3187												✓						
1577		150	17	VV	✓	7433	9024			3188								✓			✓	✓						
1578		125	18	VV		7353				3190												✓						
1579		100	19	VV		7504			✓	3191	2091							✓			✓	✓						
1580		75	20	VV		7187				3193												✓						
1581		50	21	VV		7383				3194								✓				✓						
1582		35	22	VV		7352				3199								✓		✓	✓	✓						
1583		20	23	VV		7419				3196								✓			✓	✓						
1584		5	24	VV	✓	9061			✓	2699								✓		✓	2	✓	✓	✓				

Comments :

• Bridge Ins + Camera not working - Jack updating in wire angle. Wind moderate.
(The #1 winchman)

• transducer glitch @ 600m f ~ 1300, 1400 going down.
• going up of track @ 2000↑ and glitch at 1200m, 1000m, etc!! ☹

Fluorometer spike @ 75m upcast.

↓ 150 gear at 600m.
↑ 150 gear at 600m.

Rosette sampling log mission 2006-18

Cast # 95
Station RNS-02
CTD Filename 200618-095

Date (UTC) 25 SEPT 06
UTC/Local time 22:15 UTC / 6:15
CTD Operator STEVE

In-air press 0.3 db
Ice (tenths) —
Start Scan —

(w/o +8 hull correction / sound speed)

Water Depth 2394
Lat (N) 73 02.97
Lon (W) 67 0.04

Low CFC

Samp #	Target property	Target depth	ROS BOT #	BOTTLE INTEGRITY	CFC	CFC Syringe #	CFC DUP Syringe #	He	Dis. OXY	OXY FLASK #	OXY DUP FLASK #	OXY Trip FLASK #	DIC	C-13	POC	TOTAL CHL a 0.7u	Phyto	Bacteria	FW-Alkalinity	SALINITY	NUTRIENTS	NO3	O18	Ba	H-3	I-129	Se-137	TSS
1537	Bot	2356	✓ 1	✓✓					✓	3100										✓	2		✓	✓				
1538		2250	✓ 2	✓✓						3104										✓								
1539		2000	✓ 3	✓✓						3107																		
1540		1750	✓ 4	✓✓	✓✓	7332	7488			3108											✓							
1541		1500	✓ 5	✓✓					✓	3109	3113																	
1542		1250	✓ 6	✓✓						3116									✓									
1543		1000	✓ 7	X✓						3118																		
1544		750	✓ 8	✓✓						3121																		
1545		500	✓ 9	✓✓						3123											✓							
1546		400	✓ 10	✓✓	✓	7678			✓✓	3124	3189	3209																
1547		350	✓ 11	✓✓						3126																		
1548		300	✓ 12	✓✓						3119																		
1549		250	✓ 13	✓✓						3135											✓							
1550		225	✓ 14	✓✓						3137																		
1551		200	✓ 15	✓✓	✓	7223			✓	3207	3142								✓									
1552		175	✓ 16	✓✓						3159																		
1553		150	✓ 17	✓✓						3181								✓			✓							
1554		125	✓ 18	✓✓						3183																		
1555		100	✓ 19	✓✓						3200								✓		✓								
1556		75	✓ 20	✓✓						3201																		
1557		50	✓ 21	✓✓						3202								✓			✓							
1558		35	✓ 22	✓✓						3203								✓										
1559		20	✓ 23	✓✓						3204								✓										
1560		5	✓ 24	✓✓					✓	3206								✓	✓	✓	2		✓	✓				

Comments :

① 300 — 60
② 600 — HI GEAR STOP @ 10

Rosette sampling log mission 2006-18

Cast # 94
Station B-01
CTD Filename 200618_094

Date (UTC) 25 Sep 2006
UTC/Local time 1929 / 1229 pm
CTD Operator 52

In-air press -0.3
Ice (tenths) 0
Start Scan 20060925T192900

(w/o +9 hull correction / sound speed)

Water Depth 2396
Lat (N) 72 44.702
Lon (W) 67 02.459

305

Part 2

Samp #	Target property	Target depth	ROS BOT #	BOTTLE INTEGRITY	CFC	CFC Syringe #	CFC DUP Syringe #	He	Diss. OXY	OXY FLASK #	OXY DUP FLASK #	OXY Trip FLASK #	DIC	C-13	POC	TOTAL CHL a 0/1u	Phylo	Bacteria	FW-Alkalinity	SALINITY	NUTRIENTS	NH4	O18	Ba	H-3	I-129	Cs-137	TSS	
1531		100 ✓	1	✓✓	✓	9114			✓	2007			✓					✓	✓	✓	2	✓	✓						
1532		75 ✓	2	✓✓		7166			✓	2014	2015							✓											
1533		50 ✓	3	✓✓	✓	8995	9069			2017								✓			✓								
1534		35 ✓	4	✓✓		8978				2025								✓											
1535		20 ✓	5	✓✓		7357				8032								✓											
1536		15 ✓	6	✓✓	✓	9827			✓	2033			✓					✓	✓	✓	2	✓	✓						
			7																										
			8																										
			9																										
			10																										
			11																										
			12																										
			13																										
			14																										
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			17																										
			18																										
			19																										
			20																										
			21																										
			22																										
			23																										
			24																										

Comments :

7

Start at completion of ~~at~~ oxygen last cast

Rosette sampling log mission 2006-18

Cast # 92
Station B-01
CTD Filename 200618-092.cdt

Date (UTC) 25 Sep 2006
UTC/Local time 02:09 / 10:09 pm
CTD Operator SZ

In-air press -
Ice (tenths) 0
Start Scan 10800

(w/o +9 hull correction / sound speed)

Water Depth 2397 / 1490
Lat (N) 72 45.125
Lon (W) 66 59.969

Part 1

Samp #	Target property	Target depth	ROS BOT #	BOTTLE INTEGRITY	CFC	CFC Syringe #	CFC DUP Syringe #	He	Dis. OXY	OXY FLASK #	OXY DUP FLASK #	OXY Trip FLASK #	DIC	C-13	POC	TOTAL CFCs	Phyco	Bacteria	FW-Alkalinity	SALINITY	NUTRIENTS	NH4	O18	Ba	H3	L129	C6-137	TSS	
1507	Bottom	2362	1	✓✓	✓	7383			✓	3100			✓						✓	✓	✓	2	✓	✓					DIC bottles washed 2, 5, 8, 11, 12, 24, 14
1508		2250	2	✓✓	✓	9069	7201		✓	3104	3107																		DIC washed on bot
1509		2000	3	✓✓	✓	7637	7357			3108																			
1510		1750	4	✓✓		9837			✓	2092	3113										✓								
1511		1500	5	✓✓		7678				3116																			
1512		1300	6	✓✓		7504				3118																			
1513		1200	7	✓X✓		9114				3119																			
1514		1100	8	✓✓		7166				3121										✓									
1515		1000	9	✓✓		9061				3123											✓								
1516		900	10	✓✓		8968			✓✓	3124	3126	3120																	
1517		800	11	✓✓		8980				3135																			
1518		700	12	✓✓		7417				3137																			
1519		600	13	✓✓		7475				3142								✓											
1520		500	14	✓✓		7629				3159											✓								
1521		400	15	✓✓		7353				3181																			
1522		350	16	✓✓		7332				3183																			
1523		300	17	✓✓✓	✓	7488	7054			3189													✓	✓					
1524		275	18	✓✓		7223				3200																			
1525		250	19	✓✓		9066				3201										✓									
1526		225	20	✓✓		9024				3202											✓								
1527		200	21	✓✓		8995				3203																			
1528		175	22	✓✓		7992	8978			3204																			
1529		150	23	✓✓		7352				3206								✓											
1530		125	24	✓✓	✓	7435			✓	3207			✓					✓	✓	✓	✓	2	✓	✓					

Comments :

Δ 600 + Δ 575

9-STD NH4 40.58
23, 24 "
NH4 { Nutrient fridge was open for 1 hr 12°C at 17:28

#2 water run out.
STD & Ba taken from Alt bottle

15

Rosette sampling log mission 2006-18

Cast # 90
Station BEW-02
CTD Filename 200618-090

Date (UTC) 24 Sep 2006
UTC/Local time 1645 / 1245
CTD Operator SZ

In-air press 0.31
Ice (tenths) 0
Start Scan 12900

(w/o +9 hull correction / sound speed)

Water Depth 2306
Lat (N) 72 45.013
Lon (W) 67 57.895

low CFC
2273 + 5

Samp #	Target property	Target depth	ROS BOT #	BOTTLE INTEGRITY	CFC	CFC Syringe #	CFC DUP Syringe #	He	Diss. OXY	OXY FLASK #	OXY DUP FLASK #	OXY Trip FLASK #	DOC	DTG	POC	TOTAL CHL _{0.7u}	PhyC	BactC	FW-Alkalinity	SALINITY	NUTRIENTS	Si	O18	Ba	H-3	M29	Ce-137	TSS	
1483	bottom	2273 ✓	1	✓					✓	3151										✓	✓		✓	✓					est z = 2278
1484		2250 ✓	2	✓						3157										✓	✓								
1485		2000 ✓	3	✓					✓	3160	3161									✓	✓								
1486		1750 ✓	4	✓						3164											✓								
1487		1500 ✓	5	✓						3166											✓								
1488		1250 ✓	6	✓						3171											✓								
1489		1000 ✓	7	✓						3174									✓		✓								
1490		750 ✓	8	✓						3177																			
1491		500 ✓	9	✓						3178										✓									
1492		400 ✓	10	✓					✓	3180	3182	3186																	
1493		350 ✓	11	✓						3187											✓								
1494		300 ✓	12	✓						3188																			
1495		250 ✓	13	✓						3190																			
1496		225 ✓	14	✓						3191																			
1497		200 ✓	15	✓						3192									✓										
1498		175 ✓	16	✓						3193																			
1499		150 ✓	17	✓						3194											✓								
1500		125 ✓	18	✓						3196																			
1501		100 ✓	19	✓					✓	3199	3198									✓									
1502		75 ✓	20	✓						3092																			
1503		50 ✓	21	✓						3094																			
1504		35 ✓	22	✓						3096											✓								
1505		20 ✓	23	✓						3097																			
1506		5 ✓	24	✓					✓	3098										✓	✓		✓	✓					

Comments :

8 gem at 600

↑
24?

START w/ a
CTD cast?

↑
need to
keep enough
for BEW-01

Rosette sampling log mission 2006-18

Cast # 89
Station BEW-03
CTD Filename 2006-18-089

Date (UTC) 24 Sept
UTC/Local time 841 / 441
CTD Operator Helen Dreck

In-air press
Ice (tenths)
Start Scan

(w/o +8 hull correction / sound speed)
Water Depth 2090 / 1490 m/s.
Lat (N) 72° 39' 53"
Lon (W) 68° 59' 718 W

expect 2070
Full CFC

Samp #	Target property	Target depth	ROS BOT #	BOTTLE INTEGRITY	CFC	CFC Syringe #	CFC DUP Syringe #	He	Diss. OXY	OXY FLASK #	OXY DUP FLASK #	OXY Trip FLASK #	DIC	C-13	DOC	TOTAL CHL a 0.7u	Phyto	Bacteria	FW-Alkalinity	SALINITY	NUTRIENTS	NH4	O18	Ba	H-3	I-129	Cs-137	TSS	
1439	Bottom	2052+9.6	1	✓	✓	7166			✓	3100										✓	✓	✓		✓	✓				
1460		2000	2	✓	✓	7676	7637			3104										✓	✓	✓							
1461		1750	3	✓	✓	7332	7433		✓	3107	3108	3109																	
1462		1500	4	✓		7488				3204																			
1463		1250	5	✓		7629				3206																			
1464		1000	6	✓		9066			✓	3207	3209																		
1465		800	7	✓		7054				3116 3116											✓								
1466		600	8	✓		7504				3118																			
1467		500	9	✓		7353				3119								✓	✓			✓							
1468		400	10	✓		7352				3121																			
1469		350	11	✓		9837				3124																			
1470		300	12	✓		9069				3123											✓								
1471		250	13	✓		7201				3126										✓									
1472		225	14	✓		7223				3137																			
1473		200	15	✓	✓	7552				3130									✓			✓							
1474		175	16	✓		7222				3135																			
1475		150	17	✓	✓	8980				2092								✓			✓								
1476		125	18	✓		9114				3142																			
1477		100	19	✓		8995	3		✓	3159	3183								✓				✓	✓					
1478		75	20	✓		8968				3189																			
1479		50	21	✓		9024				3200													✓						
1480		35	22	✓		7678				3201											✓								
1481		20	23	✓		8978				3202								✓											
1482		5	24	✓	✓	7475			✓	3203								✓	✓	✓	✓	✓	✓	✓					
Field at 787 not 800.																													
Bacteria taken after all other samples																													
Field at 291 not 300.																													

Comments :

28

going down 659 high gear. time 8:40.
going up 298 low gear. and

Rosette sampling log mission 2006-18

Cast # 87 Date (UTC) 23 Sep 2006 In-air press -
Station BEW-04 UTC/Local time 23.16 / 19.16 Ice (tenths) 0 Water Depth 1854 / 1490
CTD Filename 200618-087.0.ct CTD Operator PS / SZ Start Scan - Lat (N) 72 37.522
Lon (W) 69 46.966

Samp #	Target property	Target depth	ROS BOT #	BOTTLE INTEGRITY	CFC	CFC Syringe #	CFC DUP Syringe #	16	Diss. OXY	OXY FLASK #	OXY DUP FLASK #	OXY Trip FLASK #	BIC	C-13	DOC	TOTAL CHL _{0.7L}	Phyto	Bacteria	FW Alkalinity	SALINITY	NUTRIENTS	NO4	O18	Ba	H4	129	Ce-137	TSS	
1435	bottom	1826+7	✓1	✓✓					✓	2007									✓	✓	✓		✓	✓					Max Z 1826+7
1436		1750	✓2	✓✓	✓	7467	9061			2017										✓	✓	✓							
1437		1550	✓3	✓✓					✓	2014	2015	2027								✓									
1438		1250	✓4	✓✓						2032																			
1439		1000	✓5	✓✓						2033									✓			✓✓							
1440		750	✓6	✓✓						2044										✓									
1441		625	✓7	✓✓	✓	7357				2047											✓								
1442		550	✓8	✓✓						2049																			
1443		500	✓9	✓✓					✓	2051	2056								✓										
1444		400	✓10	✓✓	✓	7475				2059													✓	✓					
1445		350	✓11	✓✓						2060																			
1446		300	✓12	✓✓						2061											✓								
1447		250	✓13	✓✓						2063										✓									
1448		225	✓14	✓✓						2064																			
1449		200	✓15	✓✓	✓	8978				2068									✓			✓							
1450		175	✓16	✓✓						2069																			
1451		150	✓17	✓✓						2073								✓			✓								
1452		125	✓18	✓✓						2074												✓							
1453		100	✓19	✓✓					✓	2084	2085							✓											
1454		75	✓20	✓✓						2086																			
1455		50	✓21	✓✓						2087								✓											
1456		30	✓22	✓✓						2088								✓											
1457		20	✓23	✓✓						2089								✓			✓								
1458		5	✓24	✓✓					✓	2091								✓		✓	✓	✓	✓	✓	✓				

Comments :

Down - Δ to high gear @ 600 m
Up - Δ to low gear @ 483 m

To remove as needed

Transmissometer looks jittery at each slow down for a wrap.
each time winch slows down for a wrap.

Rosette sampling log mission 2006-18

Cast # (56)
Station BCW-05
CTD Filename 200618-086

Date (UTC) 23 Sept 2006
UTC/Local time 1646 / 1246
CTD Operator SZ

In-air press -
Ice (tenths) 0
Start Scan 106 11300
Water Depth 1494 / 1490m/s
Lat (N) 72 34.256 70 49.588
Lon (W) 70 49.688

8130-10mm expect ~1475m

Next @ 7pm
Full CFC
(6hr total)
5 dec

Samp #	Target property	Target depth	ROS BOT #	BOTTLE INTEGRITY	CFC	CFC Syringe #	CFC DUP Syringe #	Re	Dis. OXY	OXY FLASK #	OXY DUP FLASK #	OXY Trip FLASK #	Die	C-13	PQC	TOTAL CHL a 0.7a	Phyto	Bacteria	FW Alkalinity	SALINITY	NUTRIENTS	NH4	O18	Ba	H-3	I-129	Cs-137	TSS	
1411	P-1400	1464	✓ 1	✓✓	✓	7678			✓	3003									✓	✓	✓		✓	✓					Bottom 141641+5
1412		1275	✓ 2	✓✓	✓	7637	7332			3004										✓	✓	✓							
1413		1100	✓ 3	✓✓		8978			✓	3007	3006																		
1414	800	1060	✓ 4	✓✓		9837				3009									✓										Missed 1000m!
1415	750	X	✓ 5	✓✓		9166				3012												W							Ammonium STD taken here (40) +12
1416		700	✓ 6	✓✓		9066				3016																			had to draw 3x for Oxy, so could be low.
1417		600	✓ 7	XV	✓	9024	7201			3018									✓	✓	✓								
1418		500	✓ 8	✓✓		9114				2024									✓	✓	✓								
1419		400	✓ 9	✓✓		9054			✓	3028	3033	3034																	
1420		350	✓ 10	✓✓		7433				3038																			
1421		300	✓ 11	✓✓		8968				3040									✓										
1422	265	225	✓ 12	✓✓		7676				3043																			
1423		250	✓ 13	✓✓		9069				3047											✓								
1424		225	✓ 14	✓✓		7488				3048																			
1425		200	✓ 15	✓✓		7357			✓	3052	3051							✓	✓			✓							
1426		175	✓ 16	✓✓		8980				3055																			
1427		150	✓ 17	✓✓		7353				3057								✓											
1428		125	✓ 18	✓✓		7202				3058																			
1429		100	✓ 19	✓✓	✓	8995	7467			3061								✓		✓	✓								
1430		75	✓ 20	✓✓		7552				3063								✓											
1431		50	✓ 21	✓✓		7773				3084								✓											
1432		30	✓ 22	✓✓		9383				3069								✓											
1433		20	✓ 23	✓✓		7629				3075								✓											
1434		5	✓ 24	✓✓	✓	7352			✓	3082								✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	

Comments :

Miss-numbering on cast 84 means there is no sample 1410.

(27)

Document

Δ to high gear at 600 Downcast
Δ to high gear at 460 Upcast

84 ↑
H₂O₂ ↑
any? 11 depths?

Chlorophyll max at 80m!
deep end...

(19)

Rosette sampling log mission 2006-18

Cast # 84 Date (UTC) 23 Sep 2006
Station BEW-06 UTC/Local time TSS / 355.
CTD Filename 2006-18-084.dat CTD Operator HD1054

In-air press NAV.
Ice (tenths)
Start Scan 15169

(w/o +9 hull correction / sound speed)
Water Depth 1225 / 1490 m/s.
Lat (N) 72°32.334 N
Lon (W) 71°20.693 W

~ at 3am ~ 4am
7:53.

MO 1388

1386
1387
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Samp #	Target property	Target depth	ROS BOT #	BOTTLE INTEGRITY	CFC	CFC Syringe #	CFC DUP Syringe #	He	Diss. OXY	OXY FLASK #	OXY DUP FLASK #	OXY Trip FLASK #	DOC	SAT	POC	TOTAL CHL a 0.7u	Phyto	Bacteria	FW-Alkalinity	SALINITY	NUTRIENTS	DOC	O18	Ba	H ₂	129	Cs-137	TSS	
1386	Bottom	1204 + 9	✓ 1	✓					✓	3100									✓	✓	✓		✓	✓					upper valve was open
1387		1100	✓ 2	✓	✓	9054			✓	3104									✓	✓	✓								
1388		1000	✓ 3	✓	✓	7383			✓	3107									✓	✓	✓								
1389		900	✓ 4	✓																✓	✓								
1390		800	✓ 5	✓	✓	7629			✓	3109	3108	3113							✓										
1391		700	✓ 6	✓															✓										
1392		600	✓ 7	✓	✓	7223			✓	3116									✓										
1393		500	✓ 8	✓															✓		✓								
1394		400	✓ 9	✓	✓	7467			✓	3118									✓	✓									
1395		350	✓ 10	✓	✓	7222			✓	3135									✓										
1396		300	✓ 11	✓	✓	7353			✓	3121									✓										
1397		275	✓ 12	✓															✓		✓								
1398		250	✓ 13	✓															✓										
1399		225	✓ 14	✓																									
1400		200	✓ 15	✓	✓	7357 (?)			✓	3123	3124								✓					✓	✓				
1401	171 *	175	✗ 16	✓																									fired bottle @ 171m
1402		150	✓ 17	✓														✓			✓								
1403		125	✓ 18	✓																									
1404		100	✓ 19	✓	✓	7552			✓	3126																			
1405		75	✓ 20	✓																									
1406		50	✓ 21	✓																									
1407		35	✓ 22	✓																									
1408		18	✓ 23	✓														✓											
1409		5	✓ 24	✓	✓				✓	3139								✓		✓	✓		✓	✓					

Comments :

new NUMBERS WHICH MATCH LABELS
line went to port ~ 8° then 560 ~ 25° !! (822/135kusion)
OK when close to surface for retrieval.
1.5hr
1 glass 1 plastic for each duplicate means 24 extra bottles, 1 plastic
560m Δd to high gear.
568m Δd to low gear.

Rosette sampling log mission 2006-18

Cast # 83
Station B&W-07
CTD Filename 200618-083

Date (UTC) 23 Sept 2006
UTC/Local time 0258 / 1058pm
CTD Operator SZ

In-air press -
Ice (tenths) 0
Start Scan

(w/o +9 hull correction / sound speed)

Water Depth 1050 / 1400
Lat (N) 72 29.956
Lon (W) 71 59.742

102815.6
1029

Samp #	Target property	Target depth	ROS BOT #	BOTTLE INTEGRITY	CFC	CFC Syringe #	CFC DUP Syringe #	He	Diss. OXY	OXY FLASK #	OXY DUP FLASK #	OXY Trip FLASK #	DIC	C-13	POC	TOTAL CHL a 0.7u	Phyto	Bacteria	FW-Alkalinity	SALINITY	NUTRIENTS	CHL	O18	Ba	H-3	N-29	Cs-137	TSS
1364	Bot	1028	1	✓✓	✓	7357			✓	3151										✓	✓		✓	✓				
1365		900	2	✓✓					✓	3157											✓							
1366		800	3	✓✓	✓	7475	9069		✓	3160	3161										✓							
1367		690	4	✓✓						3164																		
1368		600	5	✓✓	✓	8995				3166									✓									
1369		500	6	✓✓						3171										✓								
1370		400	7	X✓	✓	9061				3174											✓							
1371		350	8	✓✓						3177																		
1372		300	9	✓✓	✓	7433			✓✓	3178	3180	3181							✓									
1373		250	10	✓✓						3182																		
1374		235	11	✓✓						3186																		
1375		225	12	✓✓						3187											✓							
1376		200	13	✓✓	✓	9504				3188									✓									
1377		175	14	✓✓						3190																		
1378		150	15	✓✓						3191								✓										
1379		125	16	✓✓						3192																		
1380		100	17	✓✓	✓	9114			✓	3193	3194							✓			✓							
1381		75	18	✓✓						3196																		
1382		50	19	✓✓						3198								✓										
1383		30	20	✓✓						3199								✓										
1384		20	21	✓✓						3092								✓										
1385		5	22	X✓	✓	8980			✓	3094								✓	✓	✓	✓		✓	✓				spigot leak due to air valve slightly open.
			23																									
			24																									

Comments :

down Δ to high gear @ 750m instead of 600m
up Δ to low gear @ 600m or upstart

— Speed read + real value

Rosette sampling log mission 2006-18

Cast # 82 Date (UTC) 22 Sept 2006 In-air press -1 (w/o +9 hull correction / sound speed)
Station BEW-08 UTC/Local time 2230 / 1830 Ice (tenths) 0 Water Depth 912 / 1490m/s
CTD Filename 200618-082 CTD Operator SB Start Scan 12000 Lat (N) 72° 27.036
Lon (W) 72° 34.486

2230

892+6m

Samp #	Target property	Target depth	ROS BOT #	BOTTLE INTEGRITY	CFC	CFC Syringe #	CFC DUP Syringe #	W	Diss. OXY	OXY FLASK #	OXY DUP FLASK #	OXY Trip FLASK #	DOC	C-13	POC	TOTAL CHLa 0.7u	Phyto	Bacteria	FW-Alkalinity	SALINITY	NUTRIENTS	NH4	O18	Ba	H-3	I-129	Cs-137	TSS		
1342	Bottom	892	✓ 1	✓✓	✓	7504			✓	2007										✓	✓	✓	✓	✓					} Raised to 850 & lowered down to 864 to remove gap in wire down	
1343		850	✓ 2	✓✓	✓	7353	7629			2014																				
1344		800	✓ 3	✓✓		9061			✓✓	2015	2017	2025							✓											
1345		700	✓ 4	✓✓		7332				2027								✓												
1346		600	✓ 5	✓✓		7352				2032								✓			✓	✓								
1347		500	✓ 6	✓✓		7433				2033																				
1348		375	✓ 7	✓✓		8978				2044									✓											
1349		350	✓ 8	✓✓		9837				2047																				
1350		300	✓ 9	✓✓		9069	9049			2049									✓											
1351		270	✓ 10	✓✓		7552			✓	2051											✓									
1352		250	✓ 11	✓✓	✓	7627	8995		✓	2056	2059																			
1353		225	✓ 12	✓✓		9066				2060										✓										
1354		200	✓ 13	✓✓		9024				2061									✓			✓✓								
1355		175	✓ 14	✓✓		9114				2063																				
1356		150	✓ 15	✓✓		7467				2064								✓			✓✓									
1357		125	✓ 16	✓✓		7678				2068																				
1358		100	✓ 17	✓✓		7357			✓	2069	2073											✓✓								7357 CFC
1359		75	✓ 18	✓✓		9054				2074																				
1360		50	✓ 19	✓✓	✓	7383	7222			2076												✓✓								
1361		30	✓ 20	✓✓		7676				2085											✓									
1362		20	✓ 21	✓✓		7223				2084								✓✓				✓✓								
1363		5	✓ 22	✓✓	✓	7475			✓									✓	✓	✓	✓	✓	✓	✓						
			23																											
			24																											

Comments :

increase speed at 300m

↑
dup
every 5
otherwise
2/sample