

LAURIER 2000 SAMPLING LOG
CRUISE # 2000-20

Boat Bluff

STATION: BLUF
 CAST #: 002
 CAST DEPTH: 250
 CTD (type/SN): SEABIRD SBE-19 2628
 FLUOROMETER: GUILDLINE # 43825
 TRANS: 25cm 598

LATITUDE: 52° 38.06'
 LONGITUDE: 128° 29.86'
 DATE: 2000/07/08
 TIME (local): 1555
 TIME ZONE: UTC

BOTTOM DEPTH: 275
 ICE CONDITIONS: none
 WIND SPEED: Calm
 AIR TEMP: _____
 SAMPLE COP: JE

Nom Depth	Trip Pressure	Sample #	ROS POS	BOT #	BOT integ	Oxy #✓	TCO2	Phyto ✓	Nut ✓	Ba ✓	O-18 ✓	Salt ✓	Chl ✓	Virus Bact	Incub'n
1	✓	4	1	1	✓	3159		✓	✓	✓	✓	✓	✓		
10	✓	5	2	2	✓	3174		✓	✓	✓	✓	✓	✓		
25	✓	6	3	3	✓	3179		✓	✓	✓	✓	✓	✓		
50	✓	7	4	4	✓	3178		✓	✓	✓	✓	✓	✓		
130-5	✓	8	5	5	✓	3177		✓	✓	✓	✓	✓	✓		
			6												
			7												
			8												
			9												
			10												
			11												
			12												

CAPS	TIGHTENED									✓	✓	✓	✓		
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CTD/Rosette cast comments: Test cast at Boat Bluff
 Sample team: JE B.H JC HK AB

nutrients froze slowly in galley freezer

LAURIER 2000 SAMPLING LOG

CRUISE # 2000-20

Celestial Reef

STATION: BD1CAST #: 003CAST DEPTH: 60CTD (type/SN): SEABIRD SBE-19 #2688FLUOROMETER: GUILDLINE #43825TRANS: 25cm #598LATITUDE: 54 31.95' NLONGITUDE: 131 25.50' WDATE: 2000/07/10TIME (local): 0656TIME ZONE: UTCBOTTOM DEPTH: 65ICE CONDITIONS: noneWIND SPEED: 20ktAIR TEMP: 13.0CSAMPLE COP: JE

1-6 2-12 13-40

Nom Depth	Trip Pressure	Sample #	ROS POS	BOT #	BOT integ	Oxy # ✓	TCO2	Phyto ✓	Nut ✓	Ba ✓	O-18 ✓	Salt ✓	Chl	Virus Bact	Incub'n
30	60.1	9	1	1	✓	3159		✓	✓	✓	✓	✓			
50	✓	10	2	2	NO	3174		✓	✓	✓	✓	✓			
25	✓	11	3	3	✓	3179		✓	✓	✓	✓	✓			
10	✓	12	4	4	✓	3178		✓	✓	✓	✓	✓			
5	✓	13	5	5	✓	3177		✓	✓	✓	✓	✓			
1	✓	14	6	6	✓	3028		✓	✓	✓	✓	✓			
			7												
			8												
			9												
			10												
			11												
			12												

CAPS	TIGHTENED									✓	✓	✓	✓		
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CTD/Rosette cast comments:

Sample team: JE BvHAB

nutrients froze slowly in galley freezer; forgot plastic samples for Bot 5
 Bottle 2 leaked - top cap didn't seat
 Bottles were fired on up cast

**LAURIER 2000 SAMPLING LOG
CRUISE #**

STATION: BD3 LATITUDE: 57 46.46' N BOTTOM DEPTH: 3229
 CAST #: 005 LONGITUDE: 40 21.46' W ICE CONDITIONS: none
 CAST DEPTH: 600 DATE: 2000/07/11 WIND SPEED: calm
 CTD (type/SN): SEABIRD SBE 19 #2688 TIME (local): 1702 AIR TEMP: 12.8
 FLUOROMETER: GUILD LINE #43825 TIME ZONE: UTC
 TRANS: 25cm #598 SAMPLE COP: HK

Nom Depth	Trip Pressure	Sample #	ROS POS	BOT #	BOT integ	Oxy # ✓	TCO2	Phyto ✓	Nut ✓	Ba ✓	O-18 ✓	Salt ✓	Chl ✓	Virus Bact ✓	Incub'n
1 ✓		20	1	1	✓	3159		✓	✓	✓	✓	✓			
5 ✓		21	2	2	✓	3174		✓	✓	✓	✓	✓			
10 ✓		22	3	3	✓	3179		✓	✓	✓	✓	✓			
25 ✓		23	4	4	✓	3178		✓	✓	✓	✓	✓			
50 ✓		24	5	5	✓	3177		✓	✓	✓	✓	✓			
Bo ✓	598	25	6	6	✓	3028		✓	✓	✓	✓	✓			
			7												
			8												
			9												
			10												
			11												
			12												

CAPS	TIGHTENED								✓	✓	✓	✓			
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CTD/Rosette cast comments:

Sample team:

Switch bottles 2 & 12 and relabelled before cast.

LAURIER 2000 SAMPLING LOG CRUISE

STATION : BD2 LATITUDE : 55.37.5W BOTTOM DEPTH : 210
 CAST # : 004 LONGITUDE : 135 00.61W ICE CONDITIONS : none
 CAST DEPTH : 600 DATE : 2600/07/10 WIND SPEED : 10kts
 CTD (type/SN) : SEABIRD SBE-19 2688 TIME (local) : 1716 AIR TEMP : 12 C
 FLUOROMETER : GUILDLINE # 43825 TIME ZONE : UTC
 TRANS : 25cm #598 SAMPLE COP : HK

Nom Depth	Trip Pressure	Sample #	ROS POS	BOT #	BOT integ	Oxy #	TCO2	Phyto	Nut	Ba	O-18	Salt	Chl	Virus Bact	Incub'n
1	✓	15	1	1	✓	3171		✓	✓	✓	✓	✓	✓		
5	✓	16	2	2	No	3168		✓	✓	✓	✓	✓	✓		
10	✓	17	3	3	✓	3160		✓	✓	✓	✓	✓	✓		
25	✓	18	4	4	✓	3128		✓	✓	✓	✓	✓			
50	✓	19	5	5	✓	3161		✓	✓	✓	✓	✓			
2 not tripped → B-5 204		20	6	6											
			7												
			8												
			9												
			10												
			11												
			12												

CAPS	TIGHTENED								✓						
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CTD/Rosette cast comments: JE, HK, JC, AB
 Sample team: Bottom bottle was not tripped
Bottle 2 leaked at top cap again

LAURIER 2000 SAMPLING LOG

CRUISE

STATION: KY1 LATITUDE: 59° 55.66' N BOTTOM DEPTH: 53
 CAST #: 013 LONGITUDE: 144° 00.03' ICE CONDITIONS: none
 CAST DEPTH: 51 DATE: 2000/07/12 WIND SPEED: 2 kts
 CTD (type/SN): SEABIRD SBE19 #2688 TIME (local): 1448 AIR TEMP: 12.4 C
 FLUOROMETER: GUILDLINE #43825 TIME ZONE: UTC
 TRANS: 25cm #598 SAMPLE COP: HK

Nom Depth	Trip Pressure	Sample #	ROS POS	BOT #	BOT integ	Oxy # ✓	TCO2	Phyto ✓	Nut ✓	Ba ✓	O-18 ✓	Salt ✓	Chl ✓	Virus Bact	Incub'n
1		29	1	1	✓	3171									
5		30	2	2	✓	3168									
10		31	3	3	✓	3110									
25		32	4	4	✓	3128									
40		33	5	5	✓	3161									
130	51	34	6	6	✓	3167									
			7												
			8												
			9												
			10												
			11												
			12												

CAPS TIGHTENED ☐ ☐ ☐ ☐ ☐ ☐ ☐ ☐ ☐ ☐ ☐ ☐ ☐ ☐ ☐ ☐

CTD/Rosette cast comments: drizzle
 Sample team: HK AB

LAURIER 2000 SAMPLING LOG CRUISE

STATION : SW 1 LATITUDE : 59° 53.71' N BOTTOM DEPTH : 78
 CAST # : 023 LONGITUDE : 148° 41.45' W ICE CONDITIONS : none
 CAST DEPTH : 75 DATE : 2000/07/13 WIND SPEED : 0kt
 CTD (type/SN) : SEABIRD SBE19 #2688 TIME (local) : 1304 AIR TEMP : 12°C
 FLUOROMETER : GUIDELINE #4825 TIME ZONE : UTC
 TRANS : 25cm #598 SAMPLE COP : HK

Nom Depth	Trip Pressure	Sample #	ROS POS	BOT #	BOT integ	Oxy # ✓	TCO2	Phyto ✓	Nut ✓	Ba ✓	O-18 ✓	Salt ✓	Chl ✓	Virus Bact ✓	Incub'n
1 ✓		37	1	1	✓			✓	✓	✓	✓	✓			
5 ✓		38	2	2	✓			✓	✓	✓	✓	✓			
10 ✓		39	3	3	✓			✓	✓	✓	✓	✓			
25 ✓		40	4	4	✓			✓	✓	✓	✓	✓			
50 ✓		41	5	5	✓			✓	✓	✓	✓	✓			
Bo ✓	75	42	6	6	✓			✓	✓	✓	✓	✓			
			7												
			8												
			9												
			10												
			11												
			12												

CAPS	TIGHTENED									✓	✓	✓	✓			
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CTD/Rosette cast comments:

Sample team: HK, AD

LAURIER 2000 SAMPLING LOG

CRUISE

STATION : KD1 LATITUDE : 57° 31.91' N BOTTOM DEPTH : 64
 CAST # : 32 LONGITUDE : 152° 01.34' W ICE CONDITIONS : none
 CAST DEPTH : 62 DATE : 2000/07/14 WIND SPEED : 8 kts
 CTD (type/SN) : SEABIRD SBE19 #2688 TIME (local) : 1822 AIR TEMP : 10C
 FLUOROMETER : GUILDLINE #43825 TIME ZONE : UTC
 TRANS : 25 cm #598 SAMPLE COP: _____

Nom Depth	Trip Pressure	Sample #	ROS POS	BOT #	BOT integ	Oxy # ✓	TCO2	Phyto ✓	Nut ✓	Ba ✓	O-18 ✓	Salt ✓	Chl	Virus Bact	Incub'n
1 ✓		47	1	1											
5 ✓		48	2	2											
10 ✓		49	3	3											
25 ✓		50	4	4											
50 ✓		51	5	5											
60	62	52	6	6											
			7												
			8												
			9												
			10												
			11												
			12												

CAPS	TIGHTENED														
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CTD/Rosette cast comments:

Sample team:

LAURIER 2000 SAMPLING LOG CRUISE

STATION : BD4 LATITUDE : 55° 44.48' N BOTTOM DEPTH : 58
 CAST # : 34 LONGITUDE : 155° 20.92' W ICE CONDITIONS : none
 CAST DEPTH : 55 DATE : 2000/07/15 WIND SPEED : 19
 CTD (type/SN) : SEABIRD SBE-19 #2188 TIME (local) : 1956 AIR TEMP : 10.5
 FLUOROMETER : GUILDLINE #43825 TIME ZONE : UTC
 TRANS : 25cm #598 SAMPLE COP: _____

Nom Depth	Trip Pressure	Sample #	ROS POS	BOT #	BOT integ	Oxy # ✓	TCO2	Phyto ✓	Nut ✓	Ba ✓	O-18 ✓	Salt ✓	Chl ✓	Virus Bact	Incub'n
1		53	1	1	✓	3159		✓	✓	✓	✓	✓	✓		
1			2	2	✓								✓		
5		54	3	3	✓	3174		✓	✓	✓	✓	✓	✓		
10		55	4	4	✓	3160		✓	✓	✓	✓	✓	✓		
25		56	5	5	✓	3128		✓	✓	✓	✓	✓	✓		
25			6	6	✓								✓		
50		57	7	7	✓	3177		✓	✓	✓	✓	✓	✓		
50			8	8	✓								✓		
Bo	55	58	9	9	✓	3028		✓	✓	✓	✓	✓	✓		
			10												
			11												
			12												

CAPS	TIGHTENED									✓	✓	✓	✓		
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CTD/Rosette cast comments: extra bottles for JG fluorometer calibration
 Sample team: HK, AB, JC

LAURIER 2000 SAMPLING LOG CRUISE

STATION : BDS LATITUDE : 54°38.8'N BOTTOM DEPTH : 76
 CAST # : 35 LONGITUDE : 159°26.68'W ICE CONDITIONS : MDU
 CAST DEPTH : 73 DATE : 2000/07/16 WIND SPEED : 20
 CTD (type/SN) : SEABIRD SBE 19#2688 TIME (local) : 1451 AIR TEMP : 9.8
 FLUOROMETER : GUILDLINE #43825 TIME ZONE : UTC
 TRANS : 25cm #598 SAMPLE COP : _____

Nom Depth	Trip Pressure	Sample #	ROS POS	BOT #	BOT integ	Oxy # ✓	TCO2	Phyto ✓	Nut ✓	Ba ✓	O-18 ✓	Salt ✓	Chl ✓	Virus Bact ✓	Incub'n ✓
1 ✓		59	1	1		3171									
1 ✓			2	2	No										
10		61	3	3		3179									
25		62	4	4		3178									
25			5	5											
50		63	6	6		3167									
Bo 73	73	64	7	7		3161									
Bo 73	73		8	8											
5 ✓		60	9	9		3168									
			10												
			11												
			12												

CAPS	TIGHTENED														
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CTD/Rosette cast comments:

Sample team: #7 value 1 cal

LAURIER 2000 SAMPLING LOG CRUISE

STATION : BCS1
 CAST #: 36
 CAST DEPTH : 67
 CTD (type/SN) : SEABIRD SBE19 #2688
 FLUOROMETER : GUILDLINE #43825
 TRANS : 25cm #598

LATITUDE : 54° 19.22' N
 LONGITUDE : 165° 37.8' W
 DATE : 2000/07/17
 TIME (local) : 1636
 TIME ZONE : UTC

BOTTOM DEPTH : 70
 ICE CONDITIONS : none
 WIND SPEED : 20kts
 AIR TEMP : 9.0
 SAMPLE COP: _____

Nom Depth	Trip Pressure	Sample #	ROS POS	BOT #	BOT integ	Oxy # ✓	TCO2	Phyto ✓	Nut ✓	Ba ✓	O-18 ✓	Salt ✓	Chl	Virus Bact	Incub'n
1		65	1	1											
1			2	2											
5		66	3	3											
10		67	4	4											
25		68	5	5											
25			6	6											
50		69	7	7											
30	67	70	8	8											
30	67		9	9											
			10												
			11												
			12												

CAPS	TIGHTENED									✓	✓	✓	✓		
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CTD/Rosette cast comments:

Sample team:

bottle leaks around valve

LAURIER 2000 SAMPLING LOG CRUISE

STATION : BC34
 CAST #: 37
 CAST DEPTH : 70
 CTD (type/SN) : SEABIRD SBE19 #2688
 FLUOROMETER : GUILDLINE #43825
 TRANS : 25cm #598

LATITUDE : 59° 18.96' N
 LONGITUDE : 170° 56.04' W
 DATE : 2000/07/18
 TIME (local) : 2212
 TIME ZONE : UTC

BOTTOM DEPTH : 72
 ICE CONDITIONS : none
 WIND SPEED : 20
 AIR TEMP : 8.5
 SAMPLE COP: _____

Nom Depth	Trip Pressure	Sample #	ROS POS	BOT #	BOT integ	Oxy # ✓	TCO2	Phyto ✓	Nut ✓	Ba ✓	O-18 ✓	Salt ✓	Chl	Virus Bact	Incub'n
1 ✓		71	1	1	✓										
1 ✓			2	2	✓										
5 ✓		72	3	3	✓										
10 ✓		73	4	4	✓										
25 ✓		74	5	5	✓										
25 ✓			6	6	✓										
50 ✓		75	7	7	✓										
Bo ✓	70	76	8	8	✓										
Bo ✓	70		9	9	✓										
			10												
			11												
			12												

CAPS	TIGHTENED														
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CTD/Rosette cast comments:

Sample team:

AG, HK, JC Bot 2 OK.

**LAURIER 2000 SAMPLING LOG
CRUISE #**

STATION : SLIP3 LATITUDE : 62° 23.65' N BOTTOM DEPTH : 71
 CAST # : 40 LONGITUDE : 174° 34.16' W ICE CONDITIONS : none
 CAST DEPTH : 65 DATE : 2000/07/19 WIND SPEED : 27
 CTD (type/SN) : SEABIRD SBE19 #2688 TIME (local) : 20:44 AIR TEMP : 9.0
 FLUOROMETER : GUILDLINE #43825 TIME ZONE : UTC
 TRANS : 25cm #598 SAMPLE COP: _____

Nom Depth	Trip Pressure	Sample #	ROS POS	BOT #	BOT integ	Oxy #	TCO2	Phyto	Nut	Ba	O-18	Salt	Chl	Virus Bact	Incub'n
1		77	1	1	✓										
1			2	2	✓										
5		78	3	3	✓										
10		79	4	4	✓										
25		80	5	5	✓										
25			6	6	✓										
50		81	7	7	✓										
Bot 65		82	8	8	✓										
Bot 65			9	9	✓										
Bot 65			10	10	✓										
			11												
			12												

CAPS	TIGHTENED														
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CTD/Rosette cast comments: extra bottles for JG Fluorometer calibration
 Sample team: _____

LAURIER 2000 SAMPLING LOG CRUISE

STATION : BCS6
 CAST #: 43
 CAST DEPTH : 53
 CTD (type/SN) : SEABIRD SBE19-2688
 FLUOROMETER : GUILDLINE #43825
 TRANS : 25cm #598

LATITUDE : 63° 51.01' N
 LONGITUDE : 172° 23.92' W
 DATE : 2000/07/20
 TIME (local) : 0925
 TIME ZONE : UTC

BOTTOM DEPTH : 56
 ICE CONDITIONS : none
 WIND SPEED : 18
 AIR TEMP : 7.0
 SAMPLE COP : JE

Nom Depth	Trip Pressure	Sample #	ROS POS	BOT #	BOT integ	Oxy #	TCO2	Phyto	Nut	Ba	O-18	Salt	Chl	Virus Bact	Incub'n
1 ✓		83	1	1	✓	3174									
5 ✓		84	2	2	✓										
10 ✓		85	3	3	✓										
25 ✓		86	4	4	✓										
50 ✓		87	5	5	✓										
120 ✓	53	88	6	6	✓										
			7												
			8												
			9												
			10												
			11												
			12												

CAPS	TIGHTENED														
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CTD/Rosette cast comments:

Sample team:

JE - missed glass nutrient samples for #88 @ 53m
 frozen in galley freezer - not as fast as -80 in hold

LAURIER 2000 SAMPLING LOG
CRUISE # 2000-20

STATION : VT-BS4 LATITUDE : 64° 57.54' N BOTTOM DEPTH : 48
 CAST # : 46 LONGITUDE : 169° 53.05' W ICE CONDITIONS : none
 CAST DEPTH : 44 DATE : 2000/07/20 WIND SPEED : _____
 CTD (type/SN) : SEABIRD SBE19 # 2688 TIME (local) : 2154 AIR TEMP : _____
 FLUOROMETER : GUILDLINE # 43825 TIME ZONE : UTC
 TRANS : 25cm # 598 SAMPLE COP : HK

Nom Depth	Trip Pressure	Sample #	ROS POS	BOT #	BOT integ	Oxy #	TCO2	Phyto	Nut	Ba	O-18	Salt	Chl	Virus Bact	Incub'n
1 ✓		89	1	1	✓										
1 ✓			2	2	✓										
5 ✓		90	3	3	✓										
10 ✓		91	4	4	✓										
25 ✓		92	5	5	✓										
25 ✓			6	6	✓										
35 ✓		93	7	7	✓										
B ₀	44	94	8	8	✓										
B ₀	44		9	9	✓										
B ₀	44		10	10	✓										
			11												
			12												

CAPS	TIGHTENED														
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CTD/Rosette cast comments:

Sample team:

AB, JC, HK

LAURIER 2000 SAMPLING LOG
CRUISE # 2000-20

STATION : BR51 LATITUDE : 65° 39.12' N BOTTOM DEPTH : 39
 CAST # : 48 LONGITUDE : 168° 13.02' W ICE CONDITIONS : none
 CAST DEPTH : 36 DATE : 2000/07/21 WIND SPEED : 10 kt
 CTD (type/SN) : SEABIRD SBE19 # 2688 TIME (local) : 0625 AIR TEMP : _____
 FLUOROMETER : GUILDLINE # 43825 TIME ZONE : UTC SAMPLE COP : _____
 TRANS : 25cm # 598

Nom Depth	Trip Pressure	Sample #	ROS POS	BOT #	BOT integ	Oxy #	TCO2	Phyto	Nut	Ba	O-18	Salt	Chl	Virus Bact	Incub'n
1 ✓		95	1												
5 ✓		96	2												
10 ✓		97	3												
15 ✓		98	4												
25 ✓		99	5												
Bot ✓	36	100	6												
			7												
			8												
			9												
			10												
			11												
			12												

CAPS	TIGHTENED														
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CTD/Rosette cast comments:

Sample team:

LAURIER 2000 SAMPLING LOG
CRUISE # 2000-20

STATION : BR52 LATITUDE : 65° 40 05' N BOTTOM DEPTH : 51
 CAST # : 49 LONGITUDE : 168° 23 85' W ICE CONDITIONS : none
 CAST DEPTH : 49 DATE : 2000/07/21 WIND SPEED : 7kt
 CTD (type/SN) : SEA-BIRD SBE19 # 2688 TIME (local) : 0759 AIR TEMP : 10.9
 FLUOROMETER : GUILDLINE # 43825 TIME ZONE : UTC
 TRANS : 25cm # 598 SAMPLE COP: _____

Nom Depth	Trip Pressure	Sample #	ROS POS	BOT #	BOT integ	Oxy #	TCO2	Phyto	Nut	Ba	O-18	Salt	Chl	Virus Bact	Incub'n
1		101	1		✓										
5		102	2		✓										
10		103	3		✓										
25		104	4		✓										
35		105	5												
Bo	49	106	6		✓										
			7												
			8												
			9												
			10												
			11												
			12												

CAPS	TIGHTENED									✓	✓	✓	✓		
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CTD/Rosette cast comments: Bot 5 leaked around upper cap
 Sample team: _____

LAURIER 2000 SAMPLING LOG
CRUISE # 2000-20

STATION : BRS3 LATITUDE : 65° 40.91' N BOTTOM DEPTH : 52
 CAST # : 50 LONGITUDE : 168° 33.98' W ICE CONDITIONS : None
 CAST DEPTH : 48 DATE : 2000/07/21 WIND SPEED : light
 CTD (type/SN) : SEABIRD SBE19 # 2688 TIME (local) : 0846 AIR TEMP : 10.1
 FLUOROMETER : GUILDLINE # 43825 TIME ZONE : UTC
 TRANS : 25cm # 598 SAMPLE COP: _____

Nom Depth	Trip Pressure	Sample #	ROS POS	BOT #	BOT integ	Oxy #	TCO2	Phyto	Nut	Ba	O-18	Salt	Chl	Virus Bact	Incub'n
1 ✓		107	1	1	✓										
5 ✓		108	2	2	✓										
10		109	3	3	✓										
25		110	4	4	✓										
35		111	5	5	✓										
Bo 48		112	6	6	✓										
			7												
			8												
			9												
			10												
			11												
			12												

CAPS	TIGHTENED									✓	✓	✓	✓		
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CTD/Rosette cast comments:

Sample team: HK, J, AD

LAURIER 2000 SAMPLING LOG
CRUISE # 2000-20

STATION: BK54 LATITUDE: 65° 42' 03" N BOTTOM DEPTH: 50
 CAST #: 51 LONGITUDE: 168° 43' 03" W ICE CONDITIONS: none
 CAST DEPTH: 48 DATE: 2000/07/21 WIND SPEED: light
 CTD (type/SN): SEABIRD SBE19 # 2688 TIME (local): 1003 AIR TEMP: 10.3
 FLUOROMETER: GUILDLINE # 43825 TIME ZONE: UTC
 TRANS: 25cm # 598 SAMPLE COP: _____

Nom Depth	Trip Pressure	Sample #	ROS POS	BOT #	BOT integ	Oxy #	TCO2	Phyto	Nut	Ba	O-18	Salt	Chl	Virus Bact	Incub'n
1		113	1	1	✓										
5		114	2	2	✓										
10		115	3	3	✓										
25		116	4	4	✓										
35		117	5	5	✓										
48	48	118	6	6	✓										
			7												
			8												
			9												
			10												
			11												
			12												

CAPS	TIGHTENED									✓	✓	✓	✓				
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CTD/Rosette cast comments:

Sample team:

JE, ATJ

LAURIER 2000 SAMPLING LOG
CRUISE # 2000-20

STATION : BRS5 LATITUDE : 65° 42.98' N BOTTOM DEPTH : 48
 CAST # : 52 LONGITUDE : 168° 53.89' W ICE CONDITIONS : none
 CAST DEPTH : 46 DATE : 2000/07/21 WIND SPEED : calm
 CTD (type/SN) : SEABIRD SBE19 # 2688 TIME (local) : 1048 AIR TEMP : 10.4
 FLUOROMETER : GUILDLINE # 43825 TIME ZONE : UTC
 TRANS : 25cm # 598 SAMPLE COP : _____

Nom Depth	Trip Pressure	Sample #	ROS POS	BOT #	BOT integ	Oxy #	TCO2	Phyto	Nut	Ba	O-18	Salt	Chl	Virus Bact	Incub'n
1		119	1	1	✓										
5		120	2	2	✓										
10		121	3	3	✓										
25		122	4	4	✓										
35		123	5	5	✓										
46	46	124	6	6	✓										
			7												
			8												
			9												
			10												
			11												
			12												

CAPS	TIGHTENED														
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CTD/Rosette cast comments:

Sample team: HK, JC, AO

LAURIER 2000 SAMPLING LOG
CRUISE # 2000-20

STATION : UTN 2 LATITUDE : 67° 03.07' N BOTTOM DEPTH : 46
 CAST # : 54 LONGITUDE : 168° 43.93' W ICE CONDITIONS : none
 CAST DEPTH : 43 DATE : 2000/07/22 WIND SPEED : 17k
 CTD (type/SN) : SEABIRD SBE19 # 2688 TIME (local) : 1756 AIR TEMP : 4.0
 FLUOROMETER : GUILDLINE # 43825 TIME ZONE : UTC
 TRANS : 25cm # 598 SAMPLE COP: _____

Nom Depth	Trip Pressure	Sample #	ROS POS	BOT #	BOT integ	Oxy # ✓	TCO2	Phyto ✓	Nut ✓	Ba ✓	O-18 ✓	Salt ✓	Chl ✓	Virus Bact	Incub'n
1 ✓	✓	125	1	1											
5		126	2	2											
10		127	3	3											
25		128	4	4											
35		129	5	5											
Bo	43	130	6	6											
Bo	43		7												
			8												
			9												
			10												
			11												
			12												

CAPS	TIGHTENED									✓	✓	✓	✓			
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CTD/Rosette cast comments: some nutrient samples missing
 Sample team: _____

LAURIER 2000 SAMPLING LOG
CRUISE # 2000-20

STATION : BDC6 LATITUDE : 69° 11.88' N BOTTOM DEPTH : 31
 CAST # : 60 LONGITUDE : 166° 08.95' W ICE CONDITIONS : none
 CAST DEPTH : 29 DATE : 2000/07/23 WIND SPEED : 18
 CTD (type/SN) : SEABIRD SBE19 # 2688 TIME (local) : 1707 AIR TEMP : 2.6
 FLUOROMETER : GUILDLINE # 43825 TIME ZONE : UTC
 TRANS : 25cm # 598 SAMPLE COP : _____

Nom Depth	Trip Pressure	Sample #	ROS POS	BOT #	BOT integ	Oxy # ✓	TCO2	Phyto ✓	Nut ✓	Ba ✓	O-18 ✓	Salt ✓	Chl	Virus Bact	Incub'n
1 ✓		131	1	1	✓										
5 ✓		132	2	2	✓										
10 ✓		133	3	3	✓										
15 ✓		134	4	4	✓										
20 ✓		135	5	5	✓										
130 ✓	29	136	6	6	✓										
130	29		7												
			8												
			9												
			10												
			11												
			12												

CAPS	TIGHTENED								✓	✓	✓	✓			
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CTD/Rosette cast comments:

Sample team:

LAURIER 2000 SAMPLING LOG
CRUISE # 2000-20

STATION: B07 LATITUDE: 71° 09.53' N BOTTOM DEPTH: 47
 CAST #: 61 LONGITUDE: 158° 24.17' W ICE CONDITIONS: edge 1 mi
 CAST DEPTH: 44 DATE: 2000/07/24 WIND SPEED: 20 kts
 CTD (type/SN): SEABIRD SBE19 # 2688 TIME (local): 17:08 AIR TEMP: 17
 FLUOROMETER: GUILDLINE # 43825 TIME ZONE: UTC
 TRANS: 25cm # 598 SAMPLE COP: _____

Nom Depth	Trip Pressure	Sample #	ROS POS	BOT #	BOT integ	Oxy # ✓	TCO2	Phyto ✓	Nut -	Ba -	O-18 -	Salt -	Chl	Virus Bact	Incub'n
1 ✓		137	1	1	✓										
5		138	2	2	✓										
10		139	3	3	✓										
25		140	4	4	✓										
35		141	5	5	✓										
Bo ✓	44	142	6	6	✓										
			7												
			8												
			9												
			10												
			11												
			12												

CAPS	TIGHTENED														
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CTD/Rosette cast comments:

Sample team:

LAURIER 2000 SAMPLING LOG
CRUISE # 2000-20

STATION : BD-8 LATITUDE : 71° 17.9' N BOTTOM DEPTH : 48
 CAST # : 62 LONGITUDE : 156° 59.78' W ICE CONDITIONS : near edge
 CAST DEPTH : 45 DATE : 2000/07/26 WIND SPEED : 14
 CTD (type/SN) : SEABIRD SBE19 # 2688 TIME (local) : 1707 AIR TEMP : 2.5
 FLUOROMETER : GUILDLINE # 43825 TIME ZONE : UTC
 TRANS : 25cm # 598 SAMPLE COP : JE

Nom Depth	Trip Pressure	Sample #	ROS POS	BOT #	BOT integ	Oxy #✓	TCO2 ✓	Phyto ✓	Nut ✓	Ba ✓	O-18 ✓	Salt ✓	Chl	Virus Bact	Incub'n
1 ✓		143	1	1	✓										
5 ✓		144	2	2	✓										
10 ✓		145	3	3	✓										
25 ✓		146	4	4	✓										
35 ✓		147	5	5	✓										
45 ✓	45	148	6	6	✓										
			7												
			8												
			9												
			10												
			11												
			12												

CAPS	TIGHTENED									✓	✓	✓	✓		
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CTD/Rosette cast comments:

Sample team: DB, RB, JE

LAURIER 2000 SAMPLING LOG
CRUISE # 2000-20

STATION : BD11 LATITUDE : 70° 49.09' N
 CAST # : 65 LONGITUDE : 51° 33.06' W
 CAST DEPTH : 13 DATE : 2000/07/30
 CTD (type/SN) : SEABIRD SBE19 # 2688 TIME (local) : 1722
 FLUOROMETER : GUILDLINE # 43825 TIME ZONE : UTC
 TRANS : 25cm # 598

BOTTOM DEPTH : 14
 ICE CONDITIONS : 4/10 TH FY
 WIND SPEED : 11
 AIR TEMP : 4
 SAMPLE COP : JE

Nom Depth	Trip Pressure	Sample #	ROS POS	BOT #	BOT integ	Oxy #	TCO2	Phyto	Nut	Ba	O-18	Salt	Chl	Virus Bact	Incub'n
1 ✓		149	1	1	✓										
5 ✓		150	2	2	✓										
10 ✓		151	3	3	✓										
Bottom ✓	13	152	4	4	✓										
			5												
			6												
			7												
			8												
			9												
			10												
			11												
			12												

CAPS	TIGHTENED									✓	✓	✓	✓		
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CTD/Rosette cast comments:

Sample team:

JE RB BJA AB

LAURIER 2000 SAMPLING LOG
CRUISE # 2000-20

STATION : BD12 LATITUDE : 70° 11.68' N BOTTOM DEPTH : 24
 CAST # : 66 LONGITUDE : 143° 01.76' W ICE CONDITIONS : _____
 CAST DEPTH : 22 DATE : 2000/08/01 WIND SPEED : _____
 CTD (type/SN) : SEABIRD SBE19 # 2688 TIME (local) : 2009 AIR TEMP : _____
 FLUOROMETER : GUILDLINE # 43825 TIME ZONE : UTC SAMPLE COP : JE
 TRANS : 25cm # 598

Nom Depth	Trip Pressure	Sample #	ROS POS	BOT #	BOT integ	Oxy # ✓	TCO2 ✓	Phyto ✓	Nut ✓	Ba ✓	O-18 ✓	Salt ✓	Chl ✓	Virus Bact	Incub'n ✓
1		153	1	1	✓										
5		154	2	2	✓										
10		155	3	3	✓										
15		156	4	4	✓										
20		157	5	5	✓										
Bo	22	158	6	6	✓										
			7												
			8												
			9												
			10												
			11												
			12												

CAPS	TIGHTENED														
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CTD/Rosette cast comments:

Sample team: B.H RB JE 2 Dic's for Samp #156

LAURIER 2000 SAMPLING LOG
CRUISE # 2000-20

STATION : H5 LATITUDE : 69° 54.77' N BOTTOM DEPTH : 230
 CAST # : 67 LONGITUDE : 138° 31.31' W ICE CONDITIONS : _____
 CAST DEPTH : 225 DATE : 2000/08/02 WIND SPEED : _____
 CTD (type/SN) : SEABIRD SBE19 # 2688 TIME (local) : 1402 AIR TEMP : _____
 FLUOROMETER : GUILDLINE # 43825 TIME ZONE : UTC SAMPLE COP : JE
 TRANS : 25cm # 598

Nom Depth	Trip Pressure	Sample #	ROS POS	BOT #	BOT integ	Oxy # ✓	TCO2 ✓	Phyto ✓	Nut ✓	Ba ✓	O-18 ✓	Salt ✓	Chl ✓	Virus Bact	Incub'n
1		159	1	1	✓										
5		160	2	2	✓										
10		161	3	3	✓										
25		162	4	4	✓										
50		163	5	5	No										
75		164	6	6	✓										
150		165	7	7	✓										
200		166	8	8	✓										
Bo	225	167	9	9	✓										
			10												
			11												
			12												

CAPS	TIGHTENED														
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CTD/Rosette cast comments:

Sample team: JE BvH RD
 - bot 5 air valve needs to be cranked to close properly
 - missed bottle at 100m - sorry!

LAURIER 2000 SAMPLING LOG
CRUISE # 2000-20

STATION : H3 LATITUDE : 69° 45.52' N BOTTOM DEPTH : 172
 CAST # : 169 LONGITUDE : 138° 41.31' W ICE CONDITIONS : _____
 CAST DEPTH : 166 DATE : 2000/08/02 WIND SPEED : _____
 CTD (type/SN) : SEABIRD SBE19 # 2688 TIME (local) : 1652 AIR TEMP : _____
 FLUOROMETER : GUILDLINE # 43825 TIME ZONE : UTC
 TRANS : 25cm # 598 SAMPLE COP : _____

Nom Depth	Trip Pressure	Sample #	ROS POS	BOT #	BOT integ	Oxy #	TCO2	Phyto	Nut	Ba	O-18	Salt	Chl	Virus Bact	Incub'n
1		168	1												
5		169	2												
10		170	3												
25		171	4												
50		172	5												
75		173	6												
100		174	7												
150		175	8												
166	166	176	9												
			10												
			11												
			12												

CAPS	TIGHTENED														
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CTD/Rosette cast comments:

Sample team:

LAURIER 2000 SAMPLING LOG
CRUISE # 2000-20

STATION: H1 LATITUDE: 69° 36.75' N BOTTOM DEPTH: 33
 CAST #: 71 LONGITUDE: 138° 50.44' W ICE CONDITIONS: _____
 CAST DEPTH: 27 DATE: 2000/08/02 WIND SPEED: 10
 CTD (type/SN): SEABIRD SBE19 # 2688 TIME (local): 1909 AIR TEMP: 5.0
 FLUOROMETER: GUILDLINE # 43825 TIME ZONE: UTC
 TRANS: 25cm # 598 SAMPLE COP: JE

Nom Depth	Trip Pressure	Sample #	ROS POS	BOT #	BOT integ	Oxy # ✓	TCO2 ✓	Phyto ✓	Nut ✓	Ba ✓	O-18 ✓	Salt ✓	Chl ✓	Virus Bact	Incub'n
1		177	1	1	✓					✓	✓				
5		178	2	2	✓					✓	✓				
10		179	3	3	✓					✓	✓				
15		180	4	4	✓					✓	✓				
20	27	181	5	5	✓					✓	✓				
*		182	6	6						✓					
			7												
			8												
			9												
			10												
			11												
			12												

CAPS	TIGHTENED									✓	✓	✓	✓		
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CTD/Rosette cast comments:

Sample team:

RB BvH AB JE

* 182 added at 10s when saving samples only barium not O-18

salt - no 177 but 182 was labeled from bottle #1

23 52 55
55 40

39.053
45 584

LAURIER 2000 SAMPLING LOG
CRUISE #

STATION: BD-13
CAST #: 072
CAST DEPTH: 76
CTD (type/SN): SEABIRD 19 2688
FLUOROMETER: GUIDELINE 43825
TRANS: 1/4 m. #598

LATITUDE: 70° 39.05' N
LONGITUDE: 127° 45.58' W
DATE: AUG 9/00
TIME (local): 2352
TIME ZONE: UTC

BOTTOM DEPTH: 78
ICE CONDITIONS: CLEAR
WIND SPEED: 2
AIR TEMP: 7°
SAMPLE COP: _____

Ari's Sampling

Nom Depth	Trip Pressure	Sample #	ROS POS	BOT #	BOT integ	Oxy #	TCO2	Phyto	Nut	Ba	O-18	Salt	Chl	Virus Bact	Incub'n
1			1										✓	✓	
5			2										✓	✓	
10			3										✓	✓	
25			4										✓	✓	
50			5										✓	✓	
76			6						✓		✓		✓	✓	
			7												
			8												
			9												
			10												
			11												
			12												

CAPS	TIGHTENED														
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CTD/Rosette cast comments:

Sample team:

(5) mud grabs collected.

LAURIER 2000 SAMPLING LOG
CRUISE #

STATION : BD-14 LATITUDE : 71° 50.84' N BOTTOM DEPTH : 67
 CAST # : 073 LONGITUDE : 125° 22.45' W ICE CONDITIONS : 1/10
 CAST DEPTH : 65 m DATE : AUG 10 2000 WIND SPEED : 5 Knt
 CTD (type/SN) : GUILD 43825 TIME (local) : 2352 AIR TEMP : 2°C
 FLUOROMETER : SEAPRO 2688 TIME ZONE : UTC
 TRANS : 1/4 m. 598 SAMPLE COP: _____

Ari's Sampling

Nom Depth	Trip Pressure	Sample #	ROS POS	BOT #	BOT integ	Oxy #	TCO2	Phyto	Nut	Ba	O-18	Salt	Chl	Virus Bact	Incub'n
1			1										✓	✓	
5			2										✓	✓	
10			3										✓	✓	
25			4										✓	✓	
50			5						✓		✓		✓	✓	
65			6						✓		✓		✓	✓	
			7												
			8												
			9												
			10												
			11												
			12												

CAPS	TIGHTENED														
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CTD/Rosette cast comments:

Sample team:

*Lanyard broke on #6 bottle
while cooking it - put #12 bottle
in its place.*

(5) mud grabs collected

LAURIER 2000 SAMPLING LOG
CRUISE #

STATION : BD-15
 CAST #: 074
 CAST DEPTH : 47 m.
 CTD (type/SN) : GUILD 43825
 FLUOROMETER : SEA-B. 2688
 TRANS : 1/4 m. 598

LATITUDE : 70° 03.99' N
 LONGITUDE : 124° 07.00' W
 DATE : 11/08/2000
 TIME (Local) : 1510
 TIME ZONE : UTC

BOTTOM DEPTH : 49 m.
 ICE CONDITIONS : Bits
 WIND SPEED : 5 knts
 AIR TEMP : 5.5°C
 SAMPLE COP: _____

Nom Depth	Trip Pressure	Sample #	ROS POS	BOT #	BOT integ	Oxy #	TCO2	Phyto	Nut	Ba	O-18	Salt	Chl	Virus Bact	Incub'n
1			1										✓	✓	
5			2										✓	✓	
10			3										✓	✓	
25			4										✓	✓	
47			5						✓		✓		✓	✓	
			6												
			7												
			8												
			9												
			10												
			11												
			12												

CAPS	TIGHTENED														
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CTD/Rosette cast comments:
 Sample team:

(5) Mud grabs collected.

LAURIER 2000 SAMPLING LOG
CRUISE #

STATION : BD-16 LATITUDE : 68° 11.10' N BOTTOM DEPTH : _____
 CAST # : 075 LONGITUDE : 113° 57.13' W ICE CONDITIONS : NIL
 CAST DEPTH : _____ DATE : Aug 13 2000 WIND SPEED : _____
 CTD (type/SN) : GLD 43825 TIME (local) : 2109 AIR TEMP : 4 °C
 FLUOROMETER : SEAB. 2688 TIME ZONE : UTC
 TRANS : 250 ML 598 SAMPLE COP : _____

Nom Depth	Trip Pressure	Sample #	ROS POS	BOT #	BOT integ	Oxy #	TCO2	Phyto	Nut	Ba	O-18	Salt	Chl	Virus Bact	Incub'n
1			1										✓	✓	
5			2										✓	✓	
10			3										✓	✓	
25			4										✓	✓	
50			5										✓	✓	
75			6												
100			7												
102			8						✓		✓		✓	✓	
			9												
			10												
			11												
			12												

CAPS	TIGHTENED														
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CTD/Rosette cast comments:

Sample team: 5% Calibration Sample @ 102.8 m
③ mud grabs collected

LAURIER 2000 SAMPLING LOG CRUISE

STATION : BD-17 LATITUDE : 67°50.25'N BOTTOM DEPTH : 30
 CAST # : 076 LONGITUDE : 115°08.55'W ICE CONDITIONS : Nil
 CAST DEPTH : 27 DATE : Aug 15 2000 WIND SPEED : 20 knts
 CTD (type/SN) : Gld. 43825 TIME (Local) : 1827 AIR TEMP : 9°
 FLUOROMETER : Schl. 2688 TIME ZONE : UTC
 TRANS : # 598 SAMPLE COP: _____

Nom Depth	Trip Pressure	Sample #	ROS POS	BOT #	BOT integ	Oxy #	TCO2	Phyto	Nut	Ba	O-18	Salt	Chl	Virus Bact	Incub'n
1			1										✓	✓	
5			2										✓	✓	
10			3										✓	✓	
25			4										✓	✓	
27			5						✓		✓		✓	✓	
			6												
			7												
			8												
			9												
			10												
			11												
			12												

CAPS	TIGHTENED														
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CTD/Rosette cast comments:
Sample team:

(5) Mud grabs collected.

**LAURIER 2000 SAMPLING LOG
CRUISE #**

STATION : BD-18
 CAST #: 077
 CAST DEPTH : _____
 CTD (type/SN) : Gld. 43825
 FLUOROMETER : SBD. 2688
 TRANS 250 598

LATITUDE : 68° 13.69' N
 LONGITUDE : 113° 47.45' W
 DATE : 17 Aug 2000
 TIME (local) : 1703
 TIME ZONE : UTC

BOTTOM DEPTH : 160
 ICE CONDITIONS : NIL
 WIND SPEED : 8
 AIR TEMP : 6
 SAMPLE COP: _____

Nom Depth	Trip Pressure	Sample #	ROS POS	BOT #	BOT integ	Oxy #	TCO2	Phyto	Nut	Ba	O-18	Salt	Chl	Virus Bact	Incub'n
1			1										✓	✓	
5			2										✓	✓	
10			3										✓	✓	
25			4										✓	✓	
50			5										✓	✓	
100			6												
BOT			7						✓		✓		✓	✓	
			8												
			9												
			10												
			11												
			12												

CAPS	TIGHTENED														
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CTD/Rosette cast comments:
 Sample team:

(5) Mud grabs collected (Van Veen)

LAURIER 2000 SAMPLING LOG
CRUISE #

STATION : BD-19
CAST #: 078
CAST DEPTH : _____
CTD (type/SN) : Gld 43825
FLUOROMETER : SRD 2686
TRANS : 250m. 598

LATITUDE: 68° 28.42' N
 LONGITUDE: 110° 49.63' W
 DATE: 18 AUG 2000
 TIME (local): 0057
 TIME ZONE: UTC

BOTTOM DEPTH : 87
ICE CONDITIONS : Nil
WIND SPEED: 10 K.
AIR TEMP: 8.4
SAMPLE COP: _____

[illegible][illegible]

CTD/Rosette cast comments:
Sample team:

⑤ mud graves - very little

LAURIER 2000 SAMPLING LOG CRUISE

STATION : BD-20
 CAST #: 079
 CAST DEPTH :
 CTD (type/SN) GLD 43825
 FLUOROMETER: SBD 2688
 TRANS : 598

LATITUDE : 69°02.36' N
 LONGITUDE : 150°00.14' W
 DATE : 18 Aug 2000
 TIME (local) : 1713
 TIME ZONE : UTC

BOTTOM DEPTH : 18
 ICE CONDITIONS : NIL
 WIND SPEED: 3 KNT
 AIR TEMP: 9.8
 SAMPLE COP:

Nom Depth	Trip Pressure	Sample #	ROS POS	BOT #	BOT integ	Oxy #	TCO2	Phyto	Nut	Ba	O-18	Salt	Chl	Virus Bact	Incub'n
1			1												
5			2												
10			3												
18			4						✓		✓		✓	✓	
			5												
			6												
			7												
			8												
			9												
			10												
			11												
			12												

CAPS	TIGHTENED														
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CTD/Rosette cast comments:
 Sample team:

⑤ Van Veen mud grabs

LAURIER 2000 SAMPLING LOG
CRUISE # 2000-20

STATION: BD-21 LATITUDE: 68° 32.14 BOTTOM DEPTH: 22
 CAST #: 080 LONGITUDE: 97° 21.37 ICE CONDITIONS: NIL
 CAST DEPTH: 18 DATE: Aug 20 2000 WIND SPEED: 5 KNTS IN FOG
 CTD (type/SN): SEABIRD SBE19 # 2688 TIME (local): 1402 AIR TEMP: _____
 FLUOROMETER: GUILDLINE # 43825 TIME ZONE: UTC SAMPLE COP: _____
 TRANS: 25cm # 598

Nom Depth	Trip Pressure	Sample #	ROS POS	BOT #	BOT integ	Oxy #	TCO2	Phyto	Nut	Ba	O-18	Salt	Chl	Virus Bact	Incub'n
1			1												
5			2												
10			3												
18			4												
			5												
			6												
			7												
			8												
			9												
			10												
			11												
			12												

CAPS	TIGHTENED														
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CTD/Rosette cast comments:

Sample team:

touched bottom ① mud grab - A
frame aft hydraulic cylinder seal let go -
Engineers are trying to fix -

LAURIER 2000 SAMPLING LOG
CRUISE #

STATION: BD-21B
CAST #: 081
CAST DEPTH: 19
CTD (type/SN): GLD 43825
FLUOROMETER: SBD 2688
TRANS: 598

LATITUDE: 68° 32.14
LONGITUDE: 97° 21.37
DATE: 20 Aug 2000
TIME (local): _____
TIME ZONE: UTC

BOTTOM DEPTH: 22
ICE CONDITIONS: Nil
WIND SPEED: 8 KNTS
AIR TEMP: _____
SAMPLE COP: _____

Nom Depth	Trip Pressure	Sample #	ROS POS	BOT #	BOT integ	Oxy #	TCO2	Phyto	Nut	Ba	O-18	Salt	Chl	Virus Bact	Incub'n
1			1										✓	✓	
5			2										✓	✓	
10			3										✓	✓	
18			4						✓		✓		✓	✓	
			5												
			6												
			7												
			8												
			9												
			10												
			11												
			12												

CAPS	TIGHTENED														
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CTD/Rosette cast comments:

Sample team:

⑤ mud grabs in original position
of BD-21 - still anchored.
CHS - S.V. Profiler attached.

LAURIER 2000 SAMPLING LOG CRUISE

STATION : BD-22
 CAST #: 082
 CAST DEPTH : 17
 CTD (type/SN) : GLD 43825
 FLUOROMETER : SBD 2688
 TRANS : 598

LATITUDE : 68° 25.60' N
 LONGITUDE : 96 39.05' W
 DATE : 22 Aug 2000
 TIME (local) : 0038
 TIME ZONE : UTC

BOTTOM DEPTH : 20
 ICE CONDITIONS : NIL
 WIND SPEED : 20 Knts
 AIR TEMP : 5.6
 SAMPLE COP: _____

Nom Depth	Trip Pressure	Sample #	ROS POS	BOT #	BOT integ	Oxy #	TCO2	Phyto	Nut	Ba	O-18	Salt	Chl	Virus Bact	Incub'n
<u>1</u>			1										✓	✓	
<u>5</u>			2										✓	✓	
<u>10</u>			3										✓	✓	
<u>17</u>			4						✓		✓		✓	✓	
			5												
			6												
			7												
			8												
			9												
			10												
			11												
			12												

CAPS	TIGHTENED														
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CTD/Rosette cast comments:
 Sample team:

(5) Mud grabs -

**LAURIER 2000 SAMPLING LOG
CRUISE #**

STATION: BD-23
 CAST #: 083
 CAST DEPTH: _____
 CTD (type/SN): GLD 43825
 FLUOROMETER: SRD 2688
 TRANS: 14m 598

LATITUDE: 68°36.93' N
 LONGITUDE: 95°53.08' W
 DATE: Aug 22 2000
 TIME (local): 1616
 TIME ZONE: UTC

BOTTOM DEPTH: 17
 ICE CONDITIONS: NIL
 WIND SPEED: 15 @ NW
 AIR TEMP: 4.9
 SAMPLE COP: _____

Nom Depth	Trip Pressure	Sample #	ROS POS	BOT #	BOT integ	Oxy #	TCO2	Phyto	Nut	Ba	O-18	Salt	Chl	Virus Bact	Incub'n
<u>1</u>			1										✓	✓	
<u>5</u>			2										✓	✓	
<u>10</u>			3										✓	✓	
<u>14</u>			4						✓		✓		✓	✓	
			5												
			6												
			7												
			8												
			9												
			10												
			11												
			12												

CAPS	TIGHTENED														
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CTD/Rosette cast comments:

Sample team:

(5) Mud grabs

CH3 - S.V.P. attached

LAURIER 2000 SAMPLING LOG CRUISE

STATION : BD-24 LATITUDE : 68° BOTTOM DEPTH : 68
 CAST # : 084 LONGITUDE : 95° ICE CONDITIONS : NIL
 CAST DEPTH : 65 DATE : 24 Aug 2000 WIND SPEED : 5 knts
 CTD (type/SN) : GLD 43828 TIME (local) : 1341 AIR TEMP : 8.4
 FLUOROMETER : BD 2688 TIME ZONE : UTC
 TRANS : 14m 590 SAMPLE COP : _____

Nom Depth	Trip Pressure	Sample #	ROS POS	BOT #	BOT integ	Oxy #	TCO2	Phyto	Nut	Ba	O-18	Salt	Chl	Virus Bact	Incub'n
1			1										✓	✓	
5			2										✓	✓	
10			3										✓	✓	
25			4												
50			5										✓	✓	
65			6						✓		✓		✓	✓	
			7												
			8												
			9												
			10												
			11												
			12												

CAPS TIGHTENED ☐ ☐ ☐ ☐ ☐ ☐ ☐ ☐ ☐ ☐ ☐ ☐ ☐ ☐ ☐ ☐

CTD/Rosette cast comments:

Sample team:

(5) mud grabs
C.H.S - SVP attached.

**LAURIER 2000 SAMPLING LOG
CRUISE #**

STATION : BD-25
 CAST #: 085
 CAST DEPTH : 31
 CTD (type/SN) : GLD 43825
 FLUOROMETER : SBA 2688
 TRANS : 25cm. 598

LATITUDE : 69°43.05' N
 LONGITUDE : 96°04.78' W.
 DATE : 24 Aug 2000
 TIME (local) : 2344
 TIME ZONE : UTC

BOTTOM DEPTH : 36
 ICE CONDITIONS : NIL
 WIND SPEED : 10 Knts
 AIR TEMP : 4.7°C
 SAMPLE COP: _____

Nom Depth	Trip Pressure	Sample #	ROS POS	BOT #	BOT integ	Oxy #	TCO2	Phyto	Nut	Ba	O-18	Salt	Chl	Virus Bact	Incub'n
1			1										✓	✓	
5			2										✓	✓	
10			3										✓	✓	
25			4										✓	✓	
31			5						✓		✓		✓	✓	
			6												
			7												
			8												
			9												
			10												
			11												
			12												

CAPS	TIGHTENED														
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CTD/Rosette cast comments:

Sample team:

5 mud grabs
no good mixed layer
SV profiler attached

**LAURIER 2000 SAMPLING LOG
CRUISE #**

STATION : BD-26
 CAST #: 086
 CAST DEPTH :
 CTD (type/SN) : GLD 43825
 FLUOROMETER : SBD 2688
 TRANS : 25cm 598

LATITUDE : 69° 24.03' N
 LONGITUDE : 94° 06.29' W
 DATE : 25 Aug 2000
 TIME (local) : 1107
 TIME ZONE : UTC

BOTTOM DEPTH : 44
 ICE CONDITIONS : NIL
 WIND SPEED : 25 knots
 AIR TEMP : 4.3
 SAMPLE COP:

Nom Depth	Trip Pressure	Sample #	ROS POS	BOT #	BOT integ	Oxy #	TCO2	Phyto	Nut	Ba	O-18	Salt	Chl	Virus Bact	Incub'n
1			1												
5			2												
10			3												
25			4												
40			5												
			6												
			7												
			8												
			9												
			10												
			11												
			12												

CAPS	TIGHTENED														
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CTD/Rosette cast comments: 25 knot wind & rain - very cool.
 Sample team: (5) Mud grades - not much

**LAURIER 2000 SAMPLING LOG
CRUISE #**

STATION : BD-27 LATITUDE : 69° 31.35 BOTTOM DEPTH : 14
 CAST # : 087 & 088 LONGITUDE : 93° 32.86 ICE CONDITIONS : NIL
 CAST DEPTH : 8.5 m DATE : 27 Aug 2000 WIND SPEED : 20 Kts
 CTD (type/SN) : Gld. 43825 TIME (local) : 1445 / 1450 AIR TEMP : 3.1
 FLUOROMETER : SRD 2688 TIME ZONE : UTC
 TRANS : 25cm 596 SAMPLE COP : _____

Nom Depth	Trip Pressure	Sample #	ROS POS	BOT #	BOT integ	Oxy #	TCO2	Phyto	Nut	Ba	O-18	Salt	Chl	Virus Bact	Incub'n
<i># 1</i>			1										✓	✓	
<i>5</i>			2										✓	✓	
<i>8.5</i>			3						✓		✓		✓	✓	
			4												
			5												
			6												
			7												
			8												
			9												
			10												
			11												
			12												

CAPS	TIGHTENED														
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CTD/Rosette cast comments:

Sample team:

The surface bottle was fired in air, so we used just the seabird (consec 088) to obtain a surface sample.

② Mud Grabs -

**LAURIER 2000 SAMPLING LOG
CRUISE #**

STATION : BD-28 LATITUDE : 69° 10.79' N BOTTOM DEPTH : 97
 CAST # : 089 LONGITUDE : 94° 52.66' W ICE CONDITIONS : NIL
 CAST DEPTH : 94 DATE : 28 Aug 2000 WIND SPEED : 25 Kts
 CTD (type/SN) : G.D. 43825 TIME (Local) : 0416 AIR TEMP : 2.9 °C
 FLUOROMETER : SBD. 2688 TIME ZONE : U.T.C.
 TRANS : 25cm. 598 SAMPLE COP: _____

Nom Depth	Trip Pressure	Sample #	ROS POS	BOT #	BOT integ	Oxy #	TCO2	Phyto	Nut	Ba	O-18	Salt	Chl	Virus Bact	Incub'n
1			1												
5			2												
10			3												
25			4												
50			5												
			6												
			7												
			8												
			9												
			10												
			11												
			12												

CAPS	TIGHTENED														
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CTD/Rosette cast comments:

Sample team:

The block on the A-Frame on the well deck fell during the recovery of the first Van Keen mud grab. No one was hurt.

① Mud grab.

**LAURIER 2000 SAMPLING LOG
CRUISE #**

STATION : BD-29
 CAST #: 091
 CAST DEPTH : 49
 CTD (type/SN) : GLD 43825
 FLUOROMETER : SBD 2688
 TRANS : 250m 598

LATITUDE : 68°38.47' N
 LONGITUDE : 98°57.26
 DATE : 28 Aug 2000
 TIME (local) : 1951
 TIME ZONE : UTC.

BOTTOM DEPTH : 54
 ICE CONDITIONS : NIL
 WIND SPEED : 25 knots
 AIR TEMP : _____
 SAMPLE COP: _____

Nom Depth	Trip Pressure	Sample #	ROS POS	BOT #	BOT integ	Oxy #	TCO2	Phyto	Nut	Ba	O-18	Salt	Chl	Virus Bact	Incub'n
1			1										✓	✓	
5			2										✓	✓	
10			3										✓	✓	
25			4										✓	✓	
bot 49			5						✓		✓		✓	✓	
			6												
			7												
			8												
			9												
			10												
			11												
			12												

CAPS	TIGHTENED														
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CTD/Rosette cast comments:

Sample team:

(5) mud grabs

LAURIER 2000 SAMPLING LOG CRUISE

STATION : BD-30
 CAST #: 092
 CAST DEPTH : 18.5
 CTD (type/SN) : GLD 43825
 FLUOROMETER : SBD 2688
 TRANS : 250m. 598

LATITUDE : 68° 29.39' N.
 LONGITUDE : 99° 49.40' W.
 DATE : 30 Aug 2000
 TIME (local) : 0035
 TIME ZONE : UTC

BOTTOM DEPTH : 52
 ICE CONDITIONS : NIL
 WIND SPEED : 20-25 knts
 AIR TEMP : 1.0 °C
 SAMPLE COP: _____

Nom Depth	Trip Pressure	Sample #	ROS POS	BOT #	BOT integ	Oxy #	TCO2	Phyto	Nut	Ba	O-18	Salt	Chl	Virus Bact	Incub'n
1			1										✓	✓	
5			2										✓	✓	
10			3										✓	✓	
18.5			4						✓		✓		✓	✓	
			5												
			6												
			7												
			8												
			9												
			10												
			11												
			12												

CAPS	TIGHTENED														
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CTD/Rosette cast comments:

Sample team:

(5) mud grades.

LAURIER 2000 SAMPLING LOG

CRUISE

STATION : BD-31
 CAST # : 093
 CAST DEPTH : 83
 CTD (type/SN) : GLD 43825
 FLUOROMETER : SBD 2688
 TRANS : 25cm. 598

LATITUDE : 68°
 LONGITUDE : 101°
 DATE : 30 Aug 2000
 TIME (local) : 1857
 TIME ZONE : UTC

BOTTOM DEPTH : 88
 ICE CONDITIONS : NIL
 WIND SPEED : 5-10
 AIR TEMP : 1.2
 SAMPLE COP: _____

Nom Depth	Trip Pressure	Sample #	ROS POS	BOT #	BOT integ	Oxy #	TCO2	Phyto	Nut	Ba	O-18	Salt	Chl	Virus Bact	Incub'n
<u>1</u>			1										✓	✓	
<u>5</u>			2										✓	✓	
<u>10</u>			3										✓	✓	
<u>25</u>			4										✓	✓	
<u>50</u>			5												
<u>84</u>			6						✓		✓		✓	✓	
			7												
			8												
			9												
			10												
			11												
			12												

CAPS	TIGHTENED														
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CTD/Rosette cast comments:

Sample team:

(5) mud grabs.

LAURIER 2000 SAMPLING LOG

CRUISE

STATION: BD-32
 CAST #: 095
 CAST DEPTH: 43
 CTD (type/SN): GLD 43825
 FLUOROMETER: SBD 2688
 TRANS: 25m. 598

LATITUDE: 69° 7.99' N
 LONGITUDE: 100° 44.14' W
 DATE: 31 Aug 2000
 TIME (Local): 0057
 TIME ZONE: UTC

BOTTOM DEPTH: 46
 ICE CONDITIONS: Nil
 WIND SPEED: 15 knots
 AIR TEMP: 1.5
 SAMPLE COP: _____

Nom Depth	Trip Pressure	Sample #	ROS POS	BOT #	BOT integ	Oxy #	TCO2	Phyto	Nut	Ba	O-18	Salt	Chl	Virus Bact	Incub'n
<u>1</u>			1										✓	✓	
<u>5</u>			2										✓	✓	
<u>10</u>			3										✓	✓	
<u>15</u>			4										✓	✓	
<u>25</u>			5										✓	✓	
			6						✓		✓		✓	✓	
			7												
			8												
			9												
			10												
			11												
			12												

CAPS	TIGHTENED														
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CTD/Rosette cast comments:

Sample team:

⑤ Mud grades
 ① 50m cable bottle @ bottom.

LAURIER 2000 PLANKTON SAMPLE LOG

CRUISE # 2020

Mesh size: 235 (OE) and

(OC)

00-

Station	Cast #	Cast	Volume	Volume	ID sample	Biomass	DNA - cast #2	Comments
		Depth	start	stop	formalin	frozen	sorted, ethanol	CTD cast #
UTN2	1	40	000	540	✓		✓	sample for Asit is
UTN2	2	40	540	838		✓	✓	unsorted
BD6	1	25	838	1443	✓		✓	Wind ~18+ kts (more like 40)
BD6	2	25	1443	1630		✓	✓	
BD7	1	40	1630	1925	✓		✓	samples for DNA & Asit unsorted
BD7	2	40	1925	2252		✓	✓	due to phytoplankton
BD8	1	45	2252	2539	✓		✓	
BD8	2	45	2539	2849		✓	✓	
BD11	1	10	2849	2921	✓		✓	} not enough for DNA/isotope samples
BD11	2	10	2921	3080		✓	✓	
BD12	1	20	3080	3102	✓		✓	No isotope sample DNA was entire contents of 2 vials.
BD12	2	20	3102	3218		✓	✓	
H5	1	50	3218	3506	✓		✓	
H5	2	50	3506	3892		✓	✓	
H3	1	50	3892	4095	✓		✓	Not enough for
H3	2	50	4095	4402		✓	✓	DNA/isotope
H1	1	20	4402	4536	✓			Not enough for
H1	2	20	4536	4719		✓		DNA/isotope
E11	1	85	1685	2145		✓		Bio
TP1	2							Nothing x4
E11	1	85	425	1085	✓			Tax
E11	2	85					✓	DNA
E109	1	150	3410	1685	✓			Tax
E109	2	150				✓		Biomass
E109	1	50m					✓	DNA
E109	2							
E17	1	150	4360	5220		✓		107
E17	2	150	✓	✓	✓			107
E17	1	150	5220	6130			✓	107
E15	2	150	6130	7330			✓	
E15	1	150	7330	8240	✓			Tax
E15	2	150	7330	8240		✓		Bio

CTD#

54

60

61

62

65

66

67

69

2021

2022

Sept 2

Sept 3

105

105

105

107

107

107

107

107

107

107

107

107

107

107

107

107

107

107

107

107

107

107

107

107

107

107

107

6130

5250

0

0

0

0

0

0

0

0

0

0

0

0

0

0

0

LAURIER 2000 PLANKTON SAMPLE LOG

CRUISE # 2000-20

Mesh size: 235 (OE) and

(OC)

Station	Cast #	Cast Depth	Volume start	Volume stop	ID sample formalin	Biomass frozen	DNA - cast #2 & 1 sorted, ethanol	Comments CTD cast #
BLVF	1	50	0	385	✓		✓	002
BLUF	2	50	385	1350		✓	✓	lots of phyto
BD1	1	50	1350	2048	✓		✓	003
BD1	2	50	2048	2690		✓	✓	grit in net fr. sediment + washing
BD2	1	50	2690	3182	✓		✓	004
BD2	2	50	3182	3760		✓	✓	
BD3	1	50	3760	4140	✓		✓	no sample - 005
BD3	2	50	4140	4448		✓	✓	nothing distinguishable to sort out.
KY1	1	40	4448	4675	✓		✓	013
KY1	2	40	4675	4830		✓	✓	no sample - no animals
SW1	1	50	4830	5212	✓		✓	023
SW1	2	50	5212	5503		✓	✓	
KD1	1	50	5503	5792	✓	✓	✓	032
KD1	2	50	5792	6002	✓	✓	✓	no sample
BD4	1	45	6002	6610	✓		✓	034
BD4	2	45	6610	7045	✓	✓	✓	jellyfish, none for Azit
BD5	1	60	7045	7701	✓		✓	CTD #035 micangle 25°
BD5	2	50	7701	8343		✓	✓	1 small guppy
BRS1	1	50	8343	9087	✓		✓	CTD #036 net - cod end conn.
BRS1	2	50	9087	9596		✓	✓	leaked on meter side of 1st tow
BRS4	1	50	9596	10075	✓		✓	CTD #37
BRS4	2	50	10075	10565		✓	✓	
SL13	1	50	10565	11075	✓		✓	CTD #40 wire went under ship
SL13	2	50	11075	11638		✓	✓	jellyfish in 2nd jar for taxonomy
UT-RS4	1	40	11638	11932	✓		✓	
UT-RS4	2	40	11932	12206		✓	✓	
BRS1	1	35	12206	12560	✓		✓	DNA sample not sorted, no
BRS1	2	35	12560	12782		✓	✓	sample for Azit.
BRS3	1	40	12782	13010	✓		✓	
BRS3	2	40	13010	13250		✓	✓	
BRS5	1	40	13250	13487	✓		✓	
BRS5	2	40	13487	13905		✓	✓	

3410
1685
1725

LAURIER 2000 PLANKTON SAMPLE LOG

CRUISE

Mesh size: 235 (OE) and

(OC)

200 phyto

Station	Cast #	Cast	Volume	Volume	ID sample	Biomass	DNA - cast #2	Comments
		Depth	start	stop	formalin	frozen	sorted, ethanol	CTD cast #
AG5	128	1 150	0000	1365	✓	✓	✓	cope + mis 150 06J
AG1	129	2 40	1365	2220	✓	✓	✓	cope + mis
AG3	131	1 150	2320	4550	✓	✓	✓	cope + mis
		2						
AGT	134	1 150	0	1150				200 0.5 barrel
		2						
		1 150	2440	3180				
		2						
CK5		1 150	0	1870	✓	✓	✓	wp + mis
		2						
CK3		1 150	2560	3450	✓	✓	✓	
		2						
CK1		1 10	0	145	✓	✓		
		2						
		1						
		2						
		1						
		2						
		1						
		2						
		1						
		2						
		1						
		2						
		1						
		2						
		1						
		2						
		1						
		2						
		1						
		2						

Sep7

Sep8

Sep10

Sep12

Sep15

CRUISE # 2022

(OC)

Phytopl. Zoo

[illegible]

CRUISE

(OC)

[illegible]

CRUISE # 2022

(OC)

Phytoplankton

[illegible]

Giles Leg 3

LAURIER 2000 SAMPLING LOG CRUISE

STATION : CC
CAST # : _____
CAST DEPTH : _____
CTD (type/SN) : _____
FLUOROMETER : _____
TRANS : _____

LATITUDE : _____
LONGITUDE : _____
DATE : 18 Aug /00
TIME (local) : _____
TIME ZONE : _____

BOTTOM DEPTH : _____
ICE CONDITIONS : _____
WIND SPEED : _____
AIR TEMP : _____
SAMPLE COP : _____

Nom Depth	Trip Pressure	Sample #	ROS POS	BOT #	BOT integ	Oxy #	TCO2	Phyto	Nut	Ba	O-18	Salt	Chl	Virus Bact	Incub'n
		CC 1	1							/	/				
		CC 3	2							/	/				
		CC 6	3							/	/				
		CC 8	4							/	/				
		CC 10	5							/	/				
		CC 12	6							/	/				
		CC 14	7							/	/				
		CC 16	8							/	/				
			9												
			10												
			11												
			12												

CAPS	TIGHTENED														
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CTD/Rosette cast comments:
Sample team:
