

Rosette Log for IOS Cruise ID 2021-38 Ship: FV Frosti Program: CBS-MEA

Event #: 108

UTC Date 2021-08-15

Lat (N): 70 33.20

Station Name: ANG-03

UTC Time: 1504

Lon (W): 122 54 51

Sequential Station #: 6

Water Depth (from EK80): 643 m

Weather/Sea State 15m sea 15kts clear

CTD File: 2021-38-0108

CTD Operator: JE

Ice Coverage 0/10

In Air pressure (before/after) 1

Samp #	Target Property	Depth (m)	Niskin #	Firing Order	Bottle Integrity	Salt	DIC/Aik	Nut	Taxonomy	O18	Comments	std depths
42	Bo	632.13	1			✓	✓	✓		✓	73.50	bot
43	500	501	2			✓	✓	✓			28.37	1000
44	300	298	3			✓					5.00	500
45	200	199	4			✓	✓				39.39	300
46	150	148	5			✓	✓				12.54	200
47	100	101	6			✓	✓				45.45	5-33.1
48	80	79	7								49.40	100
49	60	60	8								49.55	80
50	50	50	9			✓	✓				51.14	60
51	40	39	10								52.56	50
52	30	32	11								54.34	CHIM32
53	20	20	12			✓	✓				55.28	40
54	10	12	13			✓	✓				56.58	30
55	5	5	14			✓	✓	✓		✓	57.02	20
			15									10
			16									5

Bottle integrity First test lower petcock then test top valve 'Chock' means pass, 'x' means fail. If niskin fails, explain this in the comments column

Comments:

Rosette Log for IOS Cruise ID 2021-38 Ship: FV Frosti Program: CBS-MEA

Event #: 117

UTC Date 2021-08-16

Lat (N): 71 12 61

Station Name: CP810

UTC Time: 1437

Lon (W): 123 52 69

Sequential Station #: 7

Water Depth (from EK80): 277 m

Weather/Sea State light breeze, broken cloud, 0-25 m waves

CTD File: 2021-38-0117

CTD Operator: JE

Ice Coverage 0/10

In Air pressure (before/after) 1/1

Samp #	Target Property	Depth (m)	NiskIn #	Firing Order	Bottle Integrity	Salt	DIC/Alk	Nut	Taxonomy	O18	Comments	std depths
56	Bo	243.11	1			✓	✓	✓		✓	49.22 M depth 241	bot
57	200	199	2			✓	✓	✓		✓	49.55	1000
58	150	149	3			✓	✓	✓		✓	52.48 50331 @ 147m	500
59	100	100	4			✓	✓	✓		✓	50.38	300
60	80	79	5								52.56	200
61	60	60	6								50.23	133.1
62	50	50	7			✓	✓	✓			61.21	100
63	40	39	8								62.56 CHIMAX	80
64	30	31	9			✓	✓	✓			64.31 top cap. hurs up, no sample	60
65	20	20	10			✓	✓	✓			66.12	50
66	10	11	11			✓	✓	✓			08.20	CHIMAX
67	5	3	12			✓	✓	✓		✓	20.28	40
			13									30
			14									20
			15									10
			16									5

Bottle integrity First test lower petcock then test top valve 'Check' means pass, 'x' means fail If niskin fails, explain this in the comments column

Comments:

Rosette Log for IOS Cruise ID 2021-38 Ship: FV Frosti Program: CBS-MEA

Event #: 26

UTC Date 2021-08-16

Lat (N): 71 14 37

Station Name: CFB-11

UTC Time: 2040

Lon (W): 123 29 19

Sequential Station #: 8

Water Depth (from EK80): 198 m

Weather/Sea State: calm, foggy, nearby cliffs

CTD File: 2021-38-0126

CTD Operator: JE

Ice Coverage 0/10

In Air pressure (before/after) T

Samp #	Target Property	Depth (m)	Niskin #	Firing Order	Bottle Integrity	Salt	DIC/Alk	Nut	Taxonomy	O18	Comments	std depths
68	Bo	184"	1			✓	✓	✓		✓	4951	bot
69	150	148	2			✓	✓	✓		✓	5249 5-331	1000
70	100	98	3			✓	✓	✓		✓	5539	500
71	80	80	4			✓	✓	✓		✓	5335	300
72	60	59	5			✓	✓	✓		✓	5931	200
73	50	51	6			✓	✓	✓		✓	6116 ChlMax	100
74	40	41	7			✓	✓	✓		✓	0253	80
75	30	32	8			✓	✓	✓		✓	0438	60
76	20	20	9			✓	✓	✓		✓	0621	50
77	10	9	10			✓	✓	✓		✓	0803 2-	40
78	5	1	11			✓	✓	✓		✓		30
			12									20
			13									10
			14									5
			15									
			16									

Bottle integrity: First test lower petcock, then test top valve. Check means pass, ✓ means fail. If niskin fails, explain this in the comments column.

Comments:

Rosette Log for IOS Cruise ID 2021-38 Ship: FV Frosti Program: CBS-MEA

Event #: 138

UTC Date 2021-06-11

Lat (N): 71 03 34

Station Name: CP8-09

UTC Time: 1437

Lon (W): 124 38 52

Sequential Station #: 2

Water Depth (from EK80): 353 m

Weather/Sea State 15kt 1m waves, drizzle

CTD File: 2021-38-0138

CTD Operator: JE

Ice Coverage 0/10

In Air pressure (before/after) 1

Samp #	Target Property	Depth (m)	Niskin #	Firing Order	Bottle Integrity	Salt	DIC/Alk	Nut	Taxonomy	O18	Comments	std depths
79	B ₂	341+18	1			✓	-	-		✓	5004	bot
80	200	196	2			✓	✓	✓			5042	1000
81	150	149	3			✓	✓	✓			5818	500
82	100	100	4			✓	✓	✓			0110	300
83	80	81	5			✓	✓	✓			0101	200
84	60	60	6			✓	✓	✓			0414	100
85	50	50	7			✓	✓	✓			0628	80
86	40	41	8			✓	✓	✓			0901	60
			9									50
87	30	30	10			✓	✓	✓		✓	0930 ChlMax	ChlMax
88	20	19	11			✓	✓	✓			1107	40
89	10	11	12			✓	✓	✓			1236	30
90	5	3	13			✓	✓	✓		✓		20
			14									10
			15									5
			16									

Bottle integrity First test lower petcock then test top valve Check means pass, x means fail If niskin fails, explain this in the comments column

Comments:

Rosette Log for IOS Cruise ID 2021-38 Ship: FV Frosfi Program: CBS-MEA

Event #: 147

UTC Date 2021-06-17

Lat (N): 70 55.75Station Name: C86-08UTC Time: 2125Lon (W): 125 22 21Sequential Station #: 10Water Depth (from EK80): 357 mWeather/Sea State 25m waves light air, high cloudCTD File: 2021-38-0147

CTD Operator: JE

Ice Coverage 0/10In Air pressure (before/after) 12m to ice edge

Samp #	Target Property	Depth (m)	Niskin #	Firing Order	Bottle Integrity	Salt	DIC/Alk	Nut	Taxonomy	O18	Comments	std depths
91	Bo	34511	1			✓	✓	✓		✓	2433	bot
92	200	198	2			✓	✓	✓			4242	1000
93	150	150	3			✓	✓	✓			4324	500
94	100	98	4			✓	✓	✓			4800	300
95	80	79	5								4347	200
96	60	59	6								5140	5-33.3
97	50	50	7			✓	✓	✓		✓	5307	100
98	40	40	8			✓	✓	✓		✓	5435	80
			9									60
99	30	29	10			✓	✓	✓		✓	5600	50
100	20	19	11			✓	✓	✓		✓	5440	CHIMar
101	10	11	12			✓	✓	✓		✓	5609	40
102	5	3	13			✓	✓	✓		✓	5900	30
			14									20
			15									10
			16									5

Bottle integrity: First test lower petcock then test top valve. Check means pass, x means fail. If nskn fails, explain this in the comments column.

Comments:

Rosette Log for IOS Cruise ID 2021-38 Ship: FV Frosti Program: CBS-MEA

Event #: 157

UTC Date 2021-08-18

Lat (N): 70 31 90

Station Name: CPY-1CE1

UTC Time: 1531

Lon (W): 124 20 89

Sequential Station #: 11

Water Depth (from EK80): 249 m

Weather/Sea State 10kts wind, small chop, fog

CTD File: 2021-38-0157

CTD Operator: JE

Ice Coverage 5/10

In Air pressure (before/after) 1

just at ice edge, in open water

Samp #	Target Property	Depth (m)	Niskin #	Firing Order	Bottle Integrity	Salt	DIC/Aik	Nut	Taxonomy	O18	Comments	CTD depths
103	Bo	24	1								<i>closed unexpectedly, CTD pressure spike, no sample</i>	bot
104	Bo	238+2	2									1000
105	150	151	3									500
106	100	98	4									300
107	80	79	5									200
108	60	58	6									5-33.1
109	50	49	7									100
110	40	39	8								<i>CHIMAX</i>	50
			9									60
111	30	29	10									50
112	20	20	11									CHIMAX
113	10	11	12									40
			13									30
			14									20
			15									10
			16									5

Bottle integrity: First test lower petcock then test top valve. Check means pass, 'x' means fail. If niskin fails, explain this in the comments column.

Comments:

Rosette Log for IOS Cruise ID 2021-38 Ship: FV Frosti Program: CBS-MEA

Event #: 166

UTC Date 2021-08-19

Lat (N): 69 41 90

Station Name: BPT-013

UTC Time: 1425

Lon (W): 123 46.25

Sequential Station #: 12

Water Depth(from EK80): 77 m

Weather/Sea State 10kts 0-4m waves, partly cloudy

CTD File: 2021-38-0166

CTD Operator: JE

Ice Coverage 1/10

In Air pressure (before/after) 1

Scattered small floes

Samp #	Target Property	Depth (m)	NiskIn #	Firing Order	Bottle Integrity	Salt	DIC/Aik	Nut	Taxonomy	O18	Comments	std depths
114	Bo	63.2	24			✓	✓	✓		✓	30.40 Pressure spike during 2 min soak near surface	bot
115	50	51	24			✓	✓	✓			32.28	1000
116	40	41	24			✓	✓	✓			34.10	500
117	30	31	24			✓	✓	✓			35.53 ChlMax	300
118	20	22	24			✓	✓	✓			37.34	200
119	10	11	24			✓	✓	✓			39.06	100
120	5	4	24			✓	✓	✓				5
			8									100
			9									80
			10									60
			11									50
			12									ChlMax
			13									40
			14									30
			15									20
			16									10
												5

Bottle integrity First last lower portcock then last top valve Check means pass, X means fail If niskin fails explain this in the comments column
Comments:

Rosette Log for IOS Cruise ID 2021-38 Ship: FV Frosti Program: CBS-MEA

Event #: 176

UTC Date 2021-08.19

Lat (N): 69 41.79

Station Name: BPT-3

UTC Time: 2037

Lon (W): 123 25.96

Sequential Station #: 13

Water Depth (from EK80): 126 m

Weather/Sea State: light breeze, small waves, high cloud

CTD File: 2021-38-0176

CTD Operator: JE

Ice Coverage 0/10

In Air pressure (before/after) 1

Samp #	Target Property	Depth (m)	Niskin #	Firing Order	Bottle Integrity	Salt	DIC/Alk	Nut	Taxonomy	O18	Comments	std depths
121	80	119+9	1			✓✓	✓	✓✓		✓	43.50	bot
122	100	99	2			✓	✓✓✓				41.57	1000
123	80	80	3								47.40	500
124	60	60	4								49.32	300
125	50	49	5				✓				51.04	200
126	40	40	6								52.32	100
127	30	30	7								54.04	50
128	20	18	8			✓	✓	✓		✓	51.43	80
			9									60
129	10	11	10			✓		✓✓		✓	52.15	50
130	5	4	11			✓	✓	✓✓		✓	58.55	CHIMAX
			12									40
			13									30
			14									20
			15									10
			16									5

Bottle integrity: First test lower petcock then test top valve. Check means pass, X means fail. If niskin fails, explain this in the comments column.

Comments:

Rosette Log for IOS Cruise ID 2021-38 Ship: FV Frosti Program: CBS-MEA

Event #: 189

UTC Date 2021-08-20

Lat (N): 65° 42' 11"

Station Name: BPT-05

UTC Time: 1424

Lon (W): 123° 11' 26"

Sequential Station #: 14

Water Depth(from EK80): 37 m

Weather/Sea State 5-10kts wind, 1.5m, cloud

CTD File: 2021-38-0189

CTD Operator: JE

Ice Coverage 0 /10

In Air pressure (before/after) /

Samp #	Target Property	Dopth (m)	Niskin #	Firing Order	Bottle Integrity	Salt	DIC/Aik	Nut	Taxonomy	O18	Comments	std depths
131	Be	29+8	1			✓	-	✓	✓	✓	20.05 ChlMax	bot
132	20	22	2			✓	-	✓	✓	✓	-9.48	1000
133	10	13	3			✓	-	✓	✓	✓	31.35	500
134	5	6	4			✓	✓	✓	✓	✓	33.33	300
			5									200
			6									100
			7									80
			8									60
			9									50
			10									40
			11									30
			12									20
			13									10
			14									5
			15									
			16									

Bottle integrity: First test lower petcock, then test top valve. Check means pass, X means fail. If niskin fails, explain this in the comments column.

Comments:

Rosette Log for IOS Cruise ID 2021-38 Ship: FV Frosti Program: CBS-MEA

Event #: 209 UTC Date 2021-08-22 Lat (N): 70 13 45
 Station Name: CY-01 UTC Time: 1432 Lon (W): 124 30.13
 Sequential Station #: 15 Water Depth (from EK80): 44 m Weather/Sea State calm flt, partly cloudy
 CTD File: 2021-38-0209 CTD Operator: JE Ice Coverage 1 /10 In Air pressure (before/after) 1

Samp #	Target Property	Depth (m)	Niskin #	Firing Order	Bottle Integrity	Salt	DIC/Aik	Nut	Taxonomy	O18	Comments	std depths
135	B0	35 ^{±8}	1			✓	✓	✓	✓	✓	32.50	bot
136	20	18	2			✓	✓	✓	✓	✓	39.03	1000
137	10	11	3			✓	✓	✓	✓	✓	40.37	500
138	5	5	4			✓	✓	✓	✓	✓		300
			5									200
			6									≈33.1
			7									100
			8									80
			9									60
			10									50
			11									ChlMax
			12									40
			13									30
			14									20
			15									10
			16									5

Bottle integrity First test lower percock then test top valve Check means pass, x means fail If niskin fails explain this in the comments column
 Comments: