

Rosette Log for IOS Cruise ID 2023-024

Ship: FV Frosti

Program: CBS-MEA

Cast/Event #: 127

UTC Date (ddmmmyyy) 15 Aug 2022

Lat (N): 67 42 02

Station Name: BPT-03

UTC Time: 2230

Lon (W): 122 26 60

Sequential Station #: _____

In Air pressure (before/after) 0.231

CTD File: 2023-024-0127

CTD Operator: ST

Water Depth(from surface): 124 m

Weather/Sea State 13kts 2m seas

Samp #	Target Property	Depth (m)	Niskin #	Bottle Integrity	DIC/Aik	Salinity	Nuts	O18	ChlTot	Chl>5um	POC	MicrDNA	Taxon	Comments
170	CHL MAY	4L	V1											Closed to test beyond pink - closed 6%
171	CHL MAY	4L	V2											
172	BOT	114+0	V3											
173		100	V4											
174		80	V5											
175		60	V6											
176		50	V7											
177		40	V8											
178		30	V9											
179		20	V10											
180		10	V11											
181		5	V12											
			V13											
			V14											
			V15											
			V16											

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 2023-024

Ship: FV Frosti

Program: CBS-MEA

Cast/Event #: 132

UTC Date (ddmmYYYY) 17 Aug 2022

Lat (N): 70 26 34

Station Name: CPY-03

UTC Time: 1436

Lon (W): 124 21 57

Sequential Station #:

In Air pressure (before/after) 0.22/ 0.26

CTD File: 2023-024-0132

CTD Operator: JE

Water Depth(from surface): 216 m

Weather/Sea State 14 kt winds, 2m seas

1438 36

Samp #	Target Property	Depth (m)	Niskin #	Bottle Integrity	DIC/Alk	Salinity	Nuts	O18	ChlTot	Chl>5um	POC	MicrDNA	Taxon	Comments
			1	✓										Move to pos'n 10, replace w/ spare
182	Chl Max	36	✓2	✓	✓		✓	✓	✓	✓		✓	✓	
183	Chl Max	36	✓3	✓										
184	Bot	192	✓4	✓	✓	✓	✓	✓	✓	✓		✓		
185	S=33.1	143	✓5	✓	✓	✓	✓	✓						
186		125	✓6	✓		✓		✓						
187		100	✓7	✓	✓	✓								
188		80	✓8	✓					✓	✓				
189		60	✓9	✓										
190		50	✓10	✓	✓									Leaks w/ spigot pushed in, broken bracket.
191		40	✓11	✓										
192		30	✓12	✓										
193		20	✓13	✓	✓									
194		10	✓14	✓										Damaged multi, replace w/ spare on the fly.
195		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 2023-024

Ship: FV Frosti

Program: CBS-MEA

Cast/Event #: 145

UTC Date (ddmmYYYY) 18 Aug 2022

Lat (N): 70 13 44

Station Name: CRY-01

UTC Time: 0020

Lon (W): 124 29 69

Sequential Station #: _____

In Air pressure (before/after) 0.22 / 0.24

CTD File: 2023-024-0145

CTD Operator: _____

Water Depth(from surface): 45 m

Weather/Sea State fts 1 m seas

Samp #	Target Property	Depth (m)	Niskin #	Bottle Integrity	DIC/Alk	Salinity	Nuts	O18	ChlTot	Chl>5um	POC	MicrDNA	Taxon	Comments
196	CHL MAX	37	12	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	
197	CHL MAX	37	13	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	
198	Bot	37+9	14	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	
199		20	15	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	
200		10	16	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	
201		5	17	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	
			8											
			9											
			10											
			11											
			12											
			13											
			14											
			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 2023-024

Ship: FV Frosti

Program: CBS-MEA

Cast/Event #: 148

UTC Date (ddmmYYYY) 18 Aug 2022

Lat (N): 70 15 49

Station Name: CRY-02

UTC Time: 0303

Lon (W): 124 30 11

Sequential Station #: _____

In Air pressure (before/after) 027/0.21

CTD File: 2023-024-0148

CTD Operator: JE

Water Depth(from surface): 71 m

Weather/Sea State Flt Winds 0.5m Sec

Sampl #	Target Property	Depth (m)	NiskIn #	Bottle Integrity	DIC/Alk	Salinity	Nuts	O18	ChlTot	Chl>5um	POC	MicrDNA	Taxon	Comments
202	CHLMAX	40	1	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	05 05
203	CHLMAX	40	13	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	
204	Bot	62.8	14	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	
205	Bot	60	15	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	Same as bottom
206	Bot	50	16	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	Same as CHLMAX
207	Bot	40	17	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	
208	Bot	30	18	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	
209	Bot	20	19	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	
210	Bot	10	10	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	
211	Bot	5	11	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	
			12											
			13											
			14											
			15											
			16											

Bottle integrity: First test (lower palcock than 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 2023-024

Ship: FV Frosti

Program: CBS-MEA

Cast/Event #: 152

UTC Date (ddmmYYYY) 18 Aug 2022

Lat (N): 70° 33.150' N

Station Name: AMG_03

UTC Time: 14.44

Lon (W): 122° 54.401' W

Sequential Station #: 1

In Air pressure (before/after) 0.25 / 0.17

CTD File: 2023-024-0152

CTD Operator: PM

Water Depth(from surface): 650 m

Weather/Sea State 5 KNOTS / SMALL chop / NICE DAY

Samp #	Target Property	Depth (m)	Niskin #	Bottle Integrity	DIC/Alk	Salinity	Nuts	O18	ChlTot	Chl>5um	POC	MicrDNA	Taxon	Comments
212	ChlMax	40	1	✓	✓									
213	ChlMax	40	2	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	
214	B.1	637	3	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	
215	✓	300	4	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	
216		200	5	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	
217	S-33.1	134	6	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	
218		125	7	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	
219		102	8	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	
220		80	9	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	
221		60	10	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	
222		50	11	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	
223		40	12	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	
224		30	13	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	
225		20	14	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	
226		10	15	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	
227		5	16	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	

Bottle integrity First test lower pellock then test top valve "Check" means pass, "x" means fail. If Niskin fails, explain this in the comments column.

Comments:

samples not taken, ChlMax concidered

Rosette Log for IOS Cruise ID 2023-024 Ship: FV Frosti Program: CBS-MEA

Cast/Event #: 163 UTC Date (ddmm/yyyy) 19 Aug 2022Station Name: AYL_02 UTC Time: 14:36

Sequential Station #: _____

CTD File: 2023-024-0163Water Depth(from surface): 145 mWeather/Sea State 0 V E R C A S T / 4 K N T S / C H O PLat (N): 71 39.66Lon (W): 119 46.42In Air pressure (before/after) 0.22 / 0.21CTD Operator: PH

Samp #	Target Property	Depth (m)	Niskin #	Bottle Integrity	DIC/Alk	Salinity	Nuts	O18	ChlTot	Chl>5um	POC	MicrDNA	Taxon	Comments
			1	✓	✓									
228	ChlMax	40	2	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	
229	ChlMax	40	3	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	
230	Bot	134.5	4	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	
231		100	5	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	
232		80	6	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	
233		60	7	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	
234		50	8	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	
235		40	9	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	
236		30	10	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	
237		20	11	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	
238		10	12	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	
239		5	13	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	
			14											
			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 2023-024

Ship: FV Frosti

Program: CBS-MEA

Cast/Event #: 178

UTC Date (ddmmYYYY) 20 Aug 2022

Lat (N): 70 06.46

Station Name: PW/S-01

UTC Time: 1418

Lon (W): 119 27 20

Sequential Station #: _____

In Air pressure (before/after) 0.32/2.21

CTD File: 2023-024-0178

CTD Operator: JE

Water Depth(from surface): 108 m

Weather/Sea State 8 kts 0.5 m seas

Samp #	Target Property	Depth (m)	Niskin #	Bottle Integrity	DIC/Alk	Salinity	Nuts	O18	ChlTot	Chl>5um	POC	MicrDNA	Taxon	Comments
240	ChlMax	55	V1	V1	V1	V1	V1	V1	V1	V1	V1	V1	V1	
241	ChlMax	55	V3	V1	V1	V1	V1	V1	V1	V1	V1	V1	V1	
242	Bot	100 ⁺	V4	V1	V1	V1	V1	V1	V1	V1	V1	V1	V1	
243		100	V5	V1	V1	V1	V1	V1	V1	V1	V1	V1	V1	not sampled, same as Bot
244		80	V6 ⁺	V1	V1	V1	V1	V1	V1	V1	V1	V1	V1	
245		60	V7	V1	V1	V1	V1	V1	V1	V1	V1	V1	V1	
246		50	V8	V1	V1	V1	V1	V1	V1	V1	V1	V1	V1	
247		40	V9	V1	V1	V1	V1	V1	V1	V1	V1	V1	V1	
248		30	V10	V1	V1	V1	V1	V1	V1	V1	V1	V1	V1	
249		20	V11	V1	V1	V1	V1	V1	V1	V1	V1	V1	V1	
250		10	V12	V1	V1	V1	V1	V1	V1	V1	V1	V1	V1	
251		5	V13	V1	V1	V1	V1	V1	V1	V1	V1	V1	V1	
			14											
			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 2023-024

Ship: FV Frosti

Program: CBS-MEA

Cast/Event #: 189UTC Date (ddmmYYYY) 20 Aug 2022Lat (N): 72 19.15Station Name: FWS-02UTC Time: 21:10Lon (W): 118 52.61

Sequential Station #: _____

In Air pressure (before/after) 0.31/0.23CTD File: 2023-024-0189CTD Operator: PHWater Depth(from surface): 106 mWeather/Sea State CALM / 2 KNOTS.

Samp #	Target Property	Depth (m)	Niskin #	Bottle Integrity	DIC/Alk	Salinity	Nuts	O18	ChlTot	Chl>5um	POC	MicrDNA	Taxon	Comments
			1											
252	ChlMax	51	2	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	
253	ChlMax	51	3	✓										
254	BOT	98	4	✓	✓	✓	✓	✓	✓	✓		✓		
255		100	5	✓	✓	✓	✓	✓						Did not sample (BOT = 98m)
256		80	6	✓		✓	✓	✓	✓	✓				
257		60	7	✓		✓	✓	✓	✓	✓				
258		50	8	✓	✓	✓	✓	✓	✓	✓				Depth 51m for ChlMax, did not sample
259		40	9	✓		✓	✓	✓	✓	✓				
260		30	10	✓		✓	✓	✓	✓	✓				
261		20	11	✓	✓	✓	✓	✓	✓	✓				
262		10	12	✓		✓	✓	✓	✓	✓				
263		5	13	✓	✓	✓	✓	✓	✓	✓		✓		
			14											
			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 2023-024

Ship: FV Frosti

Program: CBS-MEA

Cast/Event #: 201

UTC Date (ddmm/yyyy) 21 Aug 2022

Lat (N): 72 43.92

Station Name: PWS_03

UTC Time: 1435

Lon (W): 118 22.74

Sequential Station #: 027

In Air pressure (before/after) 0.26, 0.24

CTD File: 2023-024-0201

CTD Operator: JE

Water Depth(from surface): 139 m

Weather/Sea State 12 kts, small chop

Samp #	Target Property	Depth (m)	Niskin #	Bottle Integrity	DIC/Alk	Salinity	Nuts	O18	ChlTot	Chl>5um	POC	MicrDNA	Taxon	Comments
			1											
264	ChlMax	30	12	✓✓	✓	✓✓	✓	✓	✓✓	✓✓	✓✓	✓	✓	
265	ChlMax	30	13	✓✓										
266	BOT	145 th	14	✓✓	✓	✓✓	✓	✓	✓✓	✓✓		✓		
267		100	15	✓✓	✓✓✓	✓	✓✓	✓						
268		80	16	✓✓		✓	✓✓	✓	✓✓	✓✓				
269		60	17	✓✓		✓	✓✓	✓	✓✓	✓✓				
270		50	18	✓✓	✓	✓	✓✓	✓	✓✓	✓✓				
271		40	19	✓✓		✓	✓✓	✓	✓✓	✓✓				
272		30	20	✓✓		✓✓	✓✓	✓	✓✓	✓✓				not sampled, same as ChlMax
273		20	11	✓✓	✓	✓	✓✓	✓	✓✓	✓✓				DIC not sampled, overlooked/mixed
274		10	12	✓✓		✓	✓✓	✓	✓✓	✓✓				
275		5	13	✓✓	✓	✓	✓✓	✓	✓✓	✓✓		✓		DIC not sampled, overlooked/mixed
276		125	14	✓✓		✓	✓✓	✓						added when depth > than expected.
			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 2023-024 Ship: FV Frosti Program: CBS-MEA

Cast/Event #: 219 UTC Date (ddmm/yyyy) 22 Aug 2023

Station Name: MT1-05 UTC Time: 1557

Sequential Station #: _____

CTD File: 2023-024-0219

Water Depth(from surface): 283 m Weather/Sea State Calm flat

Lat (N): 71 14 18
Lon (W): 117 15 85
In Air pressure (before/after) 036.631

CTD Operator: JE

Samp #	Target Property	Depth (m)	Niskin #	Bottle Integrity	DIC/Aik	Salinity	Nuts	O18	ChlTot	Chl>5um	POC	MicrDNA	Taxon	Comments
			1											
277	ChlMax	22	2		✓	✓	✓	✓	✓	✓	✓	✓	✓	not closed
278	ChlMax	22	3		✓	✓	✓	✓	✓	✓	✓	✓	✓	
279	BOT	273+3	4		✓	✓	✓	✓	✓	✓	✓	✓	✓	
280		200	5		✓	✓	✓	✓	✓	✓	✓	✓	✓	
281		125	6		✓	✓	✓	✓	✓	✓	✓	✓	✓	Need to delete MicrDNA row!
282		100	7		✓	✓	✓	✓	✓	✓	✓	✓	✓	
283		80	8		✓	✓	✓	✓	✓	✓	✓	✓	✓	
284		60	9		✓	✓	✓	✓	✓	✓	✓	✓	✓	
285		50	10		✓	✓	✓	✓	✓	✓	✓	✓	✓	
286		40	11		✓	✓	✓	✓	✓	✓	✓	✓	✓	
287		30	12		✓	✓	✓	✓	✓	✓	✓	✓	✓	
288		20	13		✓	✓	✓	✓	✓	✓	✓	✓	✓	Same as ChlMax, not sampled
289		10	14		✓	✓	✓	✓	✓	✓	✓	✓	✓	
290		5	15		✓	✓	✓	✓	✓	✓	✓	✓	✓	
291	S=331	155.1	16		✓	✓	✓	✓	✓	✓	✓	✓	✓	Not Aik, not saved, mt1 file updated afterwards + save

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 2023-024

Ship: FV Frosti

Program: CBS-MEA

Cast/Event #: 231

UTC Date (ddmmYYYY) 23 Aug 2023

Lat (N): 69 38.62

Station Name: DVS-02

UTC Time: 1420

Lon (W): 120 39 84

Sequential Station #:

In Air pressure (before/after) 0.33/0.31

CTD File: 2023-024-0231

CTD Operator: JE

Water Depth(from surface): 186 m

Weather/Sea State light breeze v. Rar.

Samp #	Target Property	Depth (m)	Niskin #	Bottle Integrity	DIC/Aik	Salinity	Nuts	O18	ChlTot	Chl>5um	POC	MicrDNA	Taxon	Comments
			1											not fired
292	Chl Max	20	v2	✓✓	✓	✓	✓✓	✓	✓✓	✓✓	✓✓	✓	✓	
293	Chl Max	20	v3	✓✓										
294	BOT	179+8	v4	✓✓	✓	✓	✓✓	✓	✓✓	✓✓		✓		
295		80m	v5	✓✓		✓	✓✓	✓	✓✓	✓✓				
296		60m	v6	✓✓		✓	✓✓	✓	✓✓	✓✓				
297		50m	v7	✓✓		✓	✓✓	✓	✓✓	✓✓				
298		40m	v8	✓✓		✓	✓✓	✓	✓✓	✓✓				
299		30m	v9	✓✓		✓	✓✓	✓	✓✓	✓✓				
300		20m	v10	✓✓	✓	✓	✓✓	✓	✓✓	✓✓				same as ChlMax, not sampled.
301		10m	v11	✓✓		✓	✓✓	✓	✓✓	✓✓				
302		5m	12	✓✓	✓	✓	✓✓	✓	✓✓	✓✓		✓		
303		100m	v13	✓✓	✓✓	✓	✓✓	✓						
304		125m	v14	✓✓		✓	✓✓	✓						
305	S=33.1	154	v15	✓✓	✓	✓	✓✓	✓						not fired
			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 2023-024

Ship: FV Frosti

Program: CBS-MEA

Cast/Event #: 240

UTC Date (ddmmYYYY) 23 Aug 2023

Lat (N): 69 43.39

Station Name: DUS-04

UTC Time: 20:12

Lon (W): 119 57.10

Sequential Station #: _____

In Air pressure (before/after) 0.29/0.34

CTD File: 2023-024-_____

CTD Operator: PM

Water Depth(from surface): 354 m

Weather/Sea State 1 m chop / 10 knots.

Sampl #	Target Property	Depth (m)	Niskin #	Bottle Integrity	DIC/Alk	Salinity	Nuts	O18	ChlTot	Chl>5um	POC	MicrDNA	Taxon	Comments
306	ChlMax	36m	1	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	
307	ChlMax	36m	2	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	
308	BOT	343	3	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	
309		300m	4	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	
310		200m	5	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	
311	S=33.1	128m	6	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	
312	Station	128m	7	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	close to S=33.1, not sampled
313		100m	8	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	
314		80m	9	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	
315		60m	10	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	
316		50m	11	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	
317		40m	12	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	
318		30m	13	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	
319		20m	14	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	
320		10m	15	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	
321		5m	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 2023-024

Ship: FV Frosti

Program: CBS-MEA

Cast/Event #: 250

UTC Date (ddmmYYYY) 24 Aug 2023

Lat (N): 69 54.31

Station Name: DJS-07

UTC Time: 1804

Lon (W): 118 19.93

Sequential Station #: _____

In Air pressure (before/after) 0.31 / 0.34

CTD File: 2023-024-0250

CTD Operator: JE

Water Depth(from surface): 503 m

Weather/Sea State 3kts wind 2m Swells

Samp #	Target Property	Depth (m)	Niskin #	Bottle Integrity	DIC/Alk	Salinity	Nuts	O18	ChlTot	Chl>5um	POC	MicrDNA	Taxon	Comments
322	ChlMax	40	1	✓										06.36
323	ChlMax	40	12	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	
324	Bot	465+14	13	✓	✓	✓	✓	✓	✓	✓		✓		
325		300m	14	✓		✓	✓	✓						
326		200m	15	✓	✓	✓	✓	✓						
327	S=33.1	105	16	✓	✓	✓	✓	✓						Did the DIC triplicate on this bottle (not 100m)
328		125m	17	✓	✓	✓	✓	✓						
329		105m	18	✓	✓	✓	✓	✓						Same as S=33.1, not sampled
330		80m	19	✓	✓	✓	✓	✓	✓	✓				
331		60m	110	✓	✓	✓	✓	✓	✓	✓				
332		50m	111	✓	✓	✓	✓	✓	✓	✓				
333		40m	112	✓	✓	✓	✓	✓	✓	✓				
334		30m	113	✓	✓	✓	✓	✓	✓	✓				
335		20m	114	✓	✓	✓	✓	✓	✓	✓				
336		10m	115	✓	✓	✓	✓	✓	✓	✓				
337		5m	116	✓	✓	✓	✓	✓	✓	✓		✓		closed on the fly

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 2023-024

Ship: FV Frosti

Program: CBS-MEA

Cast/Event #: 260

UTC Date (ddmmYYYY) 25 Aug 2023

Lat (N): 69 58.29

Station Name: DUS-09

UTC Time: 1419

Lon (W): 117 43 93

Sequential Station #: _____

In Air pressure (before/after) 0.45/0.27

CTD File: 2023-024-0260

CTD Operator: JE

Water Depth(from surface): 202 m

Weather/Sea State 16kts wind, 2m seas

Samp #	Target Property	Depth (m)	Niskin #	Bottle Integrity	DIC/Alk	Salinity	Nuts	O18	ChlTot	Chl>5um	POC	MicrDNA	Taxon	Comments
338	ChlMax	25	V2	VV	V	VV	V	V	VV	VV	VV	V	V	Closed to test langed 2130
339	ChlMax	65	V3	VV	V	V	VV	V	VV	VV		V		
340	Bot	185+11	V4	VV	V	V	VV	V	VV	VV				
341		125	V5	VV	V	V	VV	V						
342	S=33.1	133	V6	VV	V	V	VV	V						
343		100	V7	VV	VV	V	VV	V						
344		80	V8	VV	V	V	VV	V	VV	VV				
345		60	V9	VV	V	VV	VV	V	VV	VV				
346		50	V10	VV	V	V	VV	V	VV	VV				
347		40	V11	VV		V	VV	V	VV	VV				
348		30	V12	VV		V	VV	V	VV	VV				
349		20	V13	VV	V	V	VV	V	VV	VV				
350		10	V14	VV	V	V	VV	V	VV	VV				
351		5	V15	VV	V	V	VV	V	VV	VV		V		
			V16											fired on the fly not fired

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 2023-024

Ship: FV Frosti

Program: CBS-MEA

Cast/Event #: 267

UTC Date (ddmmYYYY) 25 Aug 2023

Lat (N): 69 59.73

Station Name: DUS-10

UTC Time: 1959

Lon (W): 117 31 14

Sequential Station #: _____

In Air pressure (before/after) 0.21/0.24

CTD File: 2023-024-0267

18 CTD Operator: JE

Water Depth(from surface): 107 m

Weather/Sea State 16 kts, 3 m seas.

Samp #	Target Property	Depth (m)	Niskin #	Bottle Integrity	DIC/Alk	Salinity	Nuts	O18	ChlTot	Chl>5um	POC	MicrDNA	Taxon	Comments
			1											
352	Chl Max	34	V2		V	V	V	V	V	V	V	V	V	
353	Chl Max	34	V3											
354	Bot	91m	V4		V	V	V	V	V	V		V		
355		80m	V5			V	V	V	V	V				
356		60m	V6			V	V	V	V	V				
357		50m	V7		V	V	V	V	V	V				
358		40m	V8			V	V	V	V	V				
359		30m	V9			V	V	V	V	V				
360		20m	V10		V	V	V	V	V	V				
361		10m	V11			V	V	V	V	V				
362		5m	V12		V	V	V	V	V	V		V		fixed on the file
			13											
			14											
			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: