

Sheet Scan

Rosette Log for IOS Cruise ID 2018-98 Ship: FV Frosti Program: CBS-MEA

Cast/Event #: 238 UTC Date (ddmmYYYY) 24 10 2018 Lat (N): 71° 10.63
Station Name: CB 10 UTC Time: 1552 Lon (W): 123 53.18

Christine Michael's Station #: CBS18-Station 26

CTD File: 2018-98-

Water Depth(from surface): 242 m

Sound Speed used by depth sounder: ✓ m/s

CTD Operator: Niskin @ surface done on pole In Air pressure (before/after) ✓
Weather/Sea State Sunny / Slight chop

Samp #	Target Property	Depth (m)	Niskin #	Bottle Integrity	Salinity	DIC/Aik	Comments
<u>241</u>	<u>On</u>	<u>0m</u>	<u>1</u>	<u>✓</u>	<u>✓</u>	<u>✓</u>	<u>Surface niskin on pole because rosette still closed</u>
			<u>2</u>				
			<u>3</u>				
			<u>4</u>				
			<u>5</u>				
			<u>6</u>				
			<u>7</u>				
			<u>8</u>				
			<u>9</u>				
			<u>10</u>				
			<u>11</u>				
			<u>12</u>				

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 2018-98 Ship: FV Frosti Program: CBS-MEA

Cast/Event #: 242 UTC Date (ddmm/yyyy) 26 | 08 | 2018 Lat (N): 70° 32.00

Station Name: 08B-01 UTC Time: 1316 Lon (W): 127° 42.96

Christine Michael's Station #: 27

CTD File: 2018-98-0242

Water Depth(from surface): 22m m

Sound Speed used by depth sounder: 1453 m/s

CTD Operator: EL

First to take pressure readings

In Air pressure (before/after) 1

Weather/Sea State Overcast + calm.

Samp #	Target Property	Depth (m)	Niskin #	Bottle Integrity	Salinity	DIC/Aik	Comments
292	17	16	1	✓	X	X	
293	10	✓	2	✓	X	X	
294	5	✓	3	✓			
295	5	✓	4	✓	X	XX	
296	5	✓	5	✓			
			6				
			7				
			8				
			9				
			10				
			11				
			12				

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 2018-98 Ship: FV Frosti Program: CBS-MEA

Cast/Event #: 249 UTC Date (ddmmYYYY) 26 10 2018 Lat (N): 70° 34.05'

Station Name: CBS 02 UTC Time: 1614 Lon (W): 127° 33.45'

Christine Michael's Station #: 28

CTD File: 2018-98-0249

Water Depth(from surface): 119 m

Sound Speed used by depth sounder: 1455 m/s

In Air pressure (before/after) 0.12 / 0.18

Weather/Sea State Overcast / calm

CTD Operator: GA

Samp #	Target Property	Depth (m)	Niskin #	Bottle Integrity	Salinity	DIC/Alk	Comments
297	114		1	X	X		
298	100		2	X	X		
299			3				
300			4				
			5				
			6				
			7				
			8				
			9				
			10				
			11				
			12				

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 2018-98 Ship: FV Frosti Program: CBS-MEA

Cast/Event #: 250 UTC Date (ddmmYYYY) 26 | 08 | 2018 Lat (N): 70° 34.05'

Station Name: CPB-02 UTC Time: 1650 Lon (W): 127° 33.50'

Christine Michael's Station #: 28

CTD File: 2018-98- 0250

Water Depth(from surface): 119 m

Sound Speed used by depth sounder: 1455 m/s

In Air pressure (before/after) 0.10 / 0.12

CTD Operator: GIC Weather/Sea State Calm seas / overcast
2-5 knots wind

Samp #	Target Property	Depth (m)	Niskin #	Bottle Integrity	Salinity	DIC/Aik	Comments
299	10.	✓	1	/	x		
300	20	20	2	/	x		
301	40	40	3	/	x		
302	50	50	4	/	x	x	
303	40	40	5	/	x		
304	30	30	6	/	x		
305	20	20	7	/	x	x	
306	10	10	8	/	x		
307	Chlorophyll	5	9	/		x	
308	Chlorophyll	5	10	/			
309	Chlorophyll	5	11	/	x	x	
310			12				

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 2018-98 Ship: FV Frosti Program: CBS-MEA

Cast/Event #: 255 UTC Date (ddmmmyyy) 26 | 08 | 2018
 Station Name: C9B-03 UTC Time: 2032
 Christine Michael's Station #: 29
 CTD File: 2018-98-0255
 Water Depth (from surface): 258 m
 Sound Speed used by depth sounder: 1455 m/s
 CTD Operator: gc
 In Air pressure (before/after) 0.061 ?
 Weather/Sea State Overcast

Samp #	Target Property	Depth (m)	Niskin #	Bottle Integrity	Salinity	DIC/Aik	Comments
310	238	✓	1		X	X	System crashed. trying to go to 150 m on upcast.
311	200	✓	2		X	X	
312	23.1	167	3		X	X	
313	0		4		X		
			5				Samples taken with niskin on a pole due to CTD conn failure.
			6				
			7				
			8				
			9				
			10				
			11				
			12				

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 2018-98 Ship: FV Frosti Program: CBS-MEA

Cast/Event #: 263 UTC Date (ddmm/yyyy) 26 | 08 | 2018
Station Name: CPB-03 UTC Time: 2347
Lat (N): 70° 36.18
Lon (W): 127° 22.50

Christine Michael's Station #: _____

CTD File: 2018-98-0263

Water Depth(from surface): 238 m

Sound Speed used by depth sounder: 1455 m/s

CTD Operator: _____

In Air pressure (before/after) 0.121
Weather/Sea State Overcast - slight chop

Samp #	Target Property	Depth (m)	Niskin #	Bottle Integrity	Salinity	DIC/Aik	Comments
314	150	146	1		/		
315	100	105	2		/	/	
316	80	80	3		/		
317	70	70	4		/		
318	60	60	5		/		
319	50	47	6		/	✓	
320	40	39	7		/		
321	30	32	8		/		
322	20	21	9		✓	✓	Corrns failed again @ 20 meters / clean wet off.
323	10		10				On deck unit. No 10m sample taken.
			11				
			12				

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 2018-98 Ship: FV Frosti Program: CBS-MEA

Cast/Event #: 267 UTC Date (ddmm/yyyy) 27 | 08 | 2018
 Station Name: C9B-04 UTC Time: 1352
 Lat (N): 70° 37.42
 Lon (W): 179° 12.06

Christine Michael's Station #: 28518-ST30
 CTD File: 2018-98-0267

Water Depth(from surface): 258 m
 Sound Speed used by depth sounder: 1455 m/s

CTD Operator: GL
 In Air pressure (before/after) 1071 0.05
 Weather/Sea State Overcast slight chop

Samp #	Target Property	Depth (m)	Niskin #	Bottle Integrity	Salinity	DIC/Aik	Comments
323	20-10	258	1		✓		
324	200	✓	2		✓		
325	161	✓	3		✓		
326	150	✓	4		✓		
327	100	✓	5		✓		
328	80	✓	6		✓		
329	70	✓	7		✓		
330	60	✓	8		✓		
331	50	✓	9		✓		
332	40	✓	10		✓		
333	CK1m	10 ✓	11		✓		
334	CK1m	10 ✓	12		✓		

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 2018-98 Ship: FV Frosti Program: CBS-MEA

Cast/Event #: 271 UTC Date (ddmmmyyyy) 27 10 2018
 Station Name: CPB-04 UTC Time: 16.01
 Lat (N): 70° 37.29
 Lon (W): 127° 11.23

Christine Michael's Station #: CBS 18-St30

CTD File: 2018-98-0271

Water Depth(from surface): 263 m

Sound Speed used by depth sounder: 1455 m/s

CTD Operator: GC

In Air pressure (before/after) 0.02 / -0.07

Weather/Sea State Overcast, slight chop
Sky wind.

Samp #	Target Property	Depth (m)	Niskin #	Bottle Integrity	Salinity	DIC/AIK	Comments
335	30	40	1		/	✓	
336	20	20	2		/	✓	
337	5	5	3		/	✓	
338	5	5	4		/	✓	
			5				
			6				
			7				
			8				
			9				
			10				
			11				
			12				

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:

Stat Scan

Program: CBS-MEA

Ship: FV Frosti

Rosette Log for IOS Cruise ID 2018-98

Cast/Event #: 283/284 UTC Date (ddmm/yyyy) 28/05/2018Lat (N): 70° 55' 81" 70° 55' 81"Station Name: Kog-03 UTC Time: 2157 / 2201Lon (W): 134° 45' 01" 134° 45' 12"Christine Michael's Station #: 30Event # 283 Event # 284

CTD File: 2018-98-

Water Depth (from surface): 298 m

Sound Speed used by depth sounder: _____ m/s

In Air pressure (before/after) 0.11 / _____CTD Operator: AE

Weather/Sea State _____

Samp #	Target Property	Depth (m)	Niskin #	Bottle Integrity	Salinity	DIC/Aik	Comments
338	0	0	1				Event # 283
339	0	0	2	X	X	X	Event # 284
			3				
			4				
			5				
			6				
			7				
			8				
			9				
			10				
			11				
			12				

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 2018-98 Ship: FV Frosti Program: CBS-MEA

Cast/Event #: 295 UTC Date (ddmmmyyy) 29 08 2018 Lat (N): 70° 55.88

Station Name: Kug-03 UTC Time: 3:00 Lon (W): 134° 45.53

Christine Michael's Station #: 31

CTD File: 2018-98-

Water Depth(from surface): 211 m

Sound Speed used by depth sounder: _____ m/s

CTD Operator: _____

In Air pressure (before/after) 1 2.09

Weather/Sea State light snow, calm

Samp #	Target Property	Depth (m)	Niskin #	Bottle Integrity	Salinity	DIC/Aik	Comments
340	Bottle	206	1		x		
341	32.1	140	2		x	x	
342	211 max	51	3			x	
343	10a-	10.	4		x		
			5				
			6				
			7				
			8				
			9				
			10				
			11				
			12				

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 2018-98 Ship: FV Frosti Program: CBS-MEA

Cast/Event #: 298 UTC Date (ddmmYYYY) 29 | 08 | 2018 Lat (N): 70 58.73

Station Name: Kuz 02 UTC Time: 1359 Lon (W): 139 48.41

Christine Michael's Station #: 32

CTD File: 2018-98-0298

Water Depth(from surface): 342 m

Sound Speed used by depth sounder: _____ m/s

In Air pressure (before/after) 0.04 | 10.04

CTD Operator: ARC Weather/Sea State _____

Samp #	Target Property	Depth (m)	Niskin #	Bottle Integrity	Salinity	DIC/Aik	Comments
344	85	334	1		X	X	
345	300	300	2		X		
346	200	200	3		XX	X	
347	705	145	4		X	X	Sal 33.1
348	100	100	5		X	X	
349	80	80	6		X		
350	70	70	7		X		
351	60	60	8		X	X	chl max
352	60	60	9				chl max
353	50	50	10		X	X	
354	40	40	11		X		
355	30	30	12		X		

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:

chl max = 60m

Rosette Log for IOS Cruise ID 2018-98 Ship: FV Frosti Program: CBS-MEA

Cast/Event #: 302 UTC Date (ddmm/yyyy) 29 08 | 2018

Station Name: KUG 04 UTC Time: 1549

Christine Michael's Station #: 32

CTD File: 2018-98-0302

Water Depth(from surface): 356 m

Sound Speed used by depth sounder: 1455 m/s

CTD Operator: GL

In Air pressure (before/after) 0.01 - 0.01

Weather/Sea State Overcast ~ 1-2 knots

Samp #	Target Property	Depth (m)	Niskin #	Bottle Integrity	Salinity	DIC/Aik	Comments
356	20	20	1		X	X	
357	10	10	2		X		
358	5	5	3		X		
359	5	5	4		X	X	
			5				
			6				
			7				
			8				
			9				
			10				
			11				
			12				

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 2018-98 Ship: FV Frosti Program: CBS-MEA

Cast/Event #: 306 UTC Date (ddmmmyyyy) 30 05 | 2018 Lat (N): 70 59.14

Station Name: ICE-03 UTC Time: 4:13 Lon (W): 130 12.83

Christine Michael's Station #: 38

CTD File: 2018-98-0306

Water Depth(from surface): 43 m

Sound Speed used by depth sounder: 1455 m/s

CTD Operator: GC

In Air pressure (before/after) 0.01 / -0.05

Weather/Sea State _____

Samp #	Target Property	Depth (m)	Niskin #	Bottle Integrity	Salinity	DIC/AIK	Comments
360	33	35	1				} Out of order. Only Chl & nit. Samples taken
361	15	Chlor	2				
362	20	20	3				
363	10	10	4				
364	5	5	5				
			6				
			7				
			8				
			9				
			10				
			11				
			12				

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 2018-98 Ship: FV Frosti Program: CBS-MEA

Cast/Event #: 308 UTC Date (ddmmYYYY) 30/08/2018 Lat (N): 70° 00.12

Station Name: TKN-05 UTC Time: 1826 Lon (W): 125° 45.50

Christine Michael's Station #: 34

CTD File: 2018-98-0308

Water Depth(from surface): 75 m

Sound Speed used by depth sounder: 143 m/s

CTD Operator:

In Air pressure (before/after) -0.08 / -0.12
Weather/Sea State Sunny with clouds
Slight chop

Samp #	Target Property	Depth (m)	Niskin #	Bottle Integrity	Salinity	DIC/AIK	Comments
365	62	62	1		X	X	
366	50	50	2		X	X	
367	40	40	3		X		
368	30	30	4		X		
369	20	20	5		X	X	
370	13	Unlabeled	6		X	X	
371	13	Unlabeled	7		X		
372	10	10	8		X		
373	5	✓	9				
374	5	✓	10		X	XXX	
			11				
			12				

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: 13 = unlabeled

Rosette Log for IOS Cruise ID 2018-98 Ship: FV Frosti Program: CBS-MEA

Cast/Event #: 315 UTC Date (ddmmmyyy) 21 | 08 | 2018 Lat (N): 69° 41.93

Station Name: BPT-211 UTC Time: 18:04 Lon (W): 123° 46.04

Christine Michael's Station #: 35

CTD File: 2018-98-0315

Water Depth(from surface): 73 m

Sound Speed used by depth sounder: 1455 m/s

CTD Operator: GL

In Air pressure (before/after) 0.041 - 0.12

Weather/Sea State Rough 5-3m waves
snags

Samp #	Target Property	Depth (m)	Niskin #	Bottle Integrity	Salinity	DIC/AIK	Comments
375	Bat	62	1		X	X	
376	SD	50	2		X	X	
377	40	40	3		X		
378	30	30	4		X		
379	20	20	5		XX	X	
380	17	17	6		X	X	CH max
381	17	17	7				"
382	10	10	8		XX		
383	5	5	9		X		Bottle broken on retrieval: Integrity still good.
384	5	5	10		X	XX	
			11				
			12				

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:

W max = 17m

Rosette Log for IOS Cruise ID 2018-98 Ship: FV Frosti Program: CBS-MEA

Cast/Event #: 321 UTC Date (ddmm/yyyy) 31 08 2018
 Station Name: BT-03 UTC Time: 0257
 Christine Michael's Station #: 36
 CTD File: 2018-98-0321

Lat (N): 69° 41.94
 Lon (W): 123° 26.32

Water Depth(from surface): 126 m
 Sound Speed used by depth sounder: 1455 m/s
 In Air pressure (before/after) -0.051 -0.09
 Weather/Sea State Rough Seas
 CTD Operator: _____

Samp #	Target Property	Depth (m)	Niskin #	Bottle Integrity	Salinity	DIC/Aik	Comments
385	305	117	1		X	X	
386	100	100	2		X	X	
387	80	81	3		X		
388	60	60	4		X		
389	50	51	5		X	X	
390	40	40	6		X		
391	30	30	7				
392	20	20	8			X	
393	15	15	9			X	
394	15	15	10				
395	10	10	11				
396	5	5	12			X	

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:

Ohl max = 15

Rosette Log for IOS Cruise ID 2018-98

Ship: FV Frosti

Program: CBS-MEA

150 FKN 4

Cast/Event #: 326/327 UTC Date (ddmmYYYY) 02 10 2018

Station Name: FKN-01 UTC Time: 1806

Christine Michael's Station #: 37

CTD File: 2018-98-0327

Water Depth (from surface): 51 m

Sound Speed used by depth sounder: 1455 m/s

CTD Operator: GL

In Air pressure (before/after) 0.75 / 0.50

Weather/Sea State Cloudy with wind
calm

Lat (N): 70° 00.05' / 69° 59.86

Lon (W): 126° 49 01' / 126° 48.62

Event # 326
Event # 327

Samp #	Target Property	Depth (m)	Niskin #	Bottle Integrity	Salinity	DIC/Aik	Comments
397	46	✓	1				
398	40	✓	2				
399	46	✓	3		X	X	Event # 326. Pumps not turned on cast the down
400	40	✓	4		X		Swimmers not lost
401	30	✓	5		X		
402	20	✓	6		X	X	Event # 327
403	10	✓	7		X		
404	3	✓	8		X	X	
405	3	✓	9				
406	3	✓	10				
			11				
			12				

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:

AW max = 3m

Start Event #326 - went to bottom + returned to surface + noticed that the pumps were not on, so returned to surface. Stopped anchoring.
Started Event # 327 + performed entire cast to pumps on.

Rosette Log for IOS Cruise ID 2018-98 Ship: FV Frosti Program: CBS-MEA

Cast/Event #: 338 UTC Date (ddmmYYYY) 23/10/2018

Station Name: FKN-02 UTC Time: 22:57

Christine Michael's Station #: 38

CTD File: 2018-98-0338

Water Depth(from surface): 164 m

Sound Speed used by depth sounder: 1455 m/s

CTD Operator: GC

In Air pressure (before/after) -0.00 / 0.17

Weather/Sea State Cloudy ~10-15 kts wind
building somewhat sea state

Samp #	Target Property	Depth (m)	Niskin #	Bottle Integrity	Salinity	DIC/Alk	Comments
407	154	154	1		X	X	
408	100	100	2		X	X	
409	80	80	3		X		
410	70	70	4		X		
411	60	60	5		X		
412	50	60	6		X	X	
413	40	40	7		X		
414	30	30	8		X		
415	20	20	9		X	X	
416	10	10	10		X		
417	5	5	11		X	XXX	
418	5	5	12				

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:

Chl max ~5m

Rosette Log for IOS Cruise ID 2018-98 Ship: FV Frosti Program: CBS-MEA

Cast/Event #: 345 UTC Date (ddmmYYYY) 03 07 2018

Station Name: FRN-03 UTC Time: 1326

Christine Michael's Station #: 39

CTD File: 2018-98-0345

Water Depth(from surface): 213 m

Sound Speed used by depth sounder: 1455 m/s

CTD Operator: BC

In Air pressure (before/after) -0.05 -0.03
 Weather/Sea State ~20knot wind 1-2m swell

Samp #	Target Property	Depth (m)	Niskin #	Bottle Integrity	Salinity	DIC/Alk	Comments
419	200	✓	1		X	X	
420	321	153 ✓	2		X	X	SD = 33.1
421	100	✓	3		X	X	
422	80	✓	4		X		
423	70	✓	5		X		
424	60	✓	6		X		
425	50	✓	7		X	X	
426	40	✓	8		X		
427	30	✓	9		X		
428	20	✓	10		X	X	
429	12	✓	11		X	X	
430	12	✓	12				

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:

Oh max = 12m
 33.1 = 153m

Rosette Log for IOS Cruise ID 2018-98 Ship: FV Frosti Program: CBS-MEA

Cast/Event #: 346 UTC Date (ddmmmyyy) 03 | 07 | 2018

Station Name: FKN-03 UTC Time: _____

Christine Michael's Station #: 39

CTD File: 2018-98- 0346

Water Depth(from surface): 212 m

Sound Speed used by depth sounder: 1455 m/s

CTD Operator: GC

In Air pressure (before/after) 0.13 / -0.25

Weather/Sea State _____

Samp #	Target Property	Depth (m)	Niskin #	Bottle Integrity	Salinity	DIC/Alk	Comments
431	5	5	1		X	X+K	
432	5	5	2				
			3				
			4				
			5				
			6				
			7				
			8				
			9				
			10				
			11				
			12				

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 2018-98 Ship: FV Frosti Program: CBS-MEA

Cast/Event #: 352 UTC Date (ddmmmyyyy) 03/09/2018
 Station Name: FRN-04 UTC Time: 19:16
 Christine Michael's Station #: 40
 CTD File: 2018-98-035
 Water Depth (from surface): 136 m
 Sound Speed used by depth sounder: 1485 m/s
 CTD Operator: GC
 In Air pressure (before/after) -0.02, -0.03
 Weather/Sea State Overcast, low swell
~10kts wind.

Samp #	Target Property	Depth (m)	Niskin #	Bottle Integrity	Salinity	DIC/Aik	Comments
433	121	✓	1		✓	✓	
434	100	✓	2		✓	✓	
435	80	✓	3		✓		
436	70	✓	4		✓		
437	60	✓	5		✓		
438	50	✓	6		✓	✓	
439	40	✓	7		✓		
440	30	✓	8		✓		
441	20	✓	9		✓	✓	
442	12	✓	10		✓		
443	12	✓	11		✓	✓	
444	5		12		✓	✓	

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:

Chl max = 12m.

Rosette Log for IOS Cruise ID 2018-98 Ship: FV Frosti Program: CBS-MEA

Cast/Event #: 369 UTC Date (ddmmmyyyy): 5 Sept 2018
 Station Name: FKN-07 UTC Time: 14:19
 Christine Michael's Station #: 41
 CTD File: 2018-98-0369
 Water Depth(from surface): 83 m
 Sound Speed used by depth sounder: 1455 m/s
 CTD Operator: DL

In Air pressure (before/after) 0.11 / 0.17
 Weather/Sea State Sunny / Calm

Samp #	Target Property	Depth (m)	Niskin #	Bottle Integrity	Salinity	DIC/Alk	Comments
445	Bot	72	1		X	X	
446	70	✓	2	X	X		
447	60	✓	3	X	X		
448	50	51	4		X	X	
449	40	41	5		X		
450	30	✓	6		X		
451	20	✓	7		X	X	
452	10	✓	8		X		
453	5	✓	9		X	XXX	
454	5	✓	10				
455	5	✓	11				
			12				

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: Water = 5m

Rosette Log for IOS Cruise ID 2018-98 Ship: FV Frosti Program: CBS-MEA

Cast/Event #: 383 UTC Date (ddmmmyyyy) 06 Sept 2018 Lat (N): 70° 32.87
 Station Name: AMG-06 UTC Time: 1907 Lon (W): 126° 34.75

Christine Michael's Station #: 42

CTD File: 2018-98-0383

Water Depth(from surface): 329 m

Sound Speed used by depth sounder: _____ m/s

CTD Operator: GC

In Air pressure (before/after) 0.0 / 1.004
 Weather/Sea State Calm / fog / near ice

Samp #	Target Property	Depth (m)	Niskin #	Bottle Integrity	Salinity	DIC/Aik	Comments
456	Bottom	329	1		X		
457	300	✓	2		X		
458	200	✓	3		X		
459	172	✓	4		X		SEA 33.1
460	150	✓	5		X		
461	100	✓	6		X		
462	80	✓	7		X		
463	70	✓	8	X	X		Bottom and cap leaking
464	60	✓	9		X		
465	50	✓	10		X	X	
466	40	✓	11		X		
467	30	✓	12		X		

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: CH max = 22m
SEA 33.1 = 172m
Bottom 22m
10m
2.5m

Rosette Log for IOS Cruise ID 2018-98 Ship: FV Frosti Program: CBS-MEA

Cast/Event #: 385 UTC Date (ddmmmyyy) 1 Sept 2018

Station Name: AM6-06 UTC Time: 20

Christine Michael's Station #: 42

CTD File: 2018-98-0385

Water Depth(from surface): 329 m

Sound Speed used by depth sounder: 1455 m/s

CTD Operator: GC

In Air pressure (before/after) 0.12 / 0.12

Weather/Sea State Foggy / calm 126° 35.01

Samp #	Target Property	Depth (m)	Niskin #	Bottle Integrity	Salinity	DIC/Aik	Comments
468	22	1	1				OK
469	22	2	2				OK
470	10	3	3				
471	5	4	4				
472	5	5	5				
		6	6				
		7	7				
		8	8				
		9	9				
		10	10				
		11	11				
		12	12				

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 2018-98 Ship: FV Frosti Program: CBS-MEA

Cast/Event #: 391 UTC Date (ddmmmyyy): 07 Feb 2018
 Station Name: AN6-05 UTC Time: 13.19
 Christine Michael's Station #: 43
 CTD File: 2018-98-0391

Water Depth (from surface): 281 m
 Sound Speed used by depth sounder: 145 m/s

CTD Operator: bc

In Air pressure (before/after) 0.15 / 0.20
 Weather/Sea State Overcast 1 m swell
~20-22 knot winds.

Samp #	Target Property	Depth (m)	Niskin #	Bottle Integrity	Salinity	DIC/AIK	Comments
473	271	✓	1		X	X	
474	200	✓	2		X	X	
475	167	✓	3		X	X	Sal 33.1
476	150	✓	4		X		
477	100	✓	5		X	X	
478	80	✓	6		X		
479	70	✓	7		X		
480	60	59	8		X		
481	50	✓	9	X	X	X	Bottom rope leaking
482	40	✓	10		X		
483	30	✓	11		X		
484	20	✓	12		X	X	

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: Chl max = 10 m
 Sal = 167

Rosette Log for IOS Cruise ID 2018-98 Ship: FV Frosti Program: CBS-MEA

Cast/Event #: 392 UTC Date (ddmm/yyyy) 09 Sept | 2018
 Station Name: AM6-05 UTC Time: _____
 Christine Michael's Station #: 43
 CTD File: 2018-98-092
 Water Depth(from surface): 281 m
 Sound Speed used by depth sounder: _____ m/s
 CTD Operator: GC
 Lat (N): 70°
 Lon (W): 126°
 In Air pressure (before/after) 0.34
 Weather/Sea State _____

Samp #	Target Property	Depth (m)	Niskin #	Bottle Integrity	Salinity	DIC/AIK	Comments
485	10	✓	1		X	X	
486	10	✓	2				
487	5	✓	3		X	X>X	
488	5	✓	4				
			5				
			6				
			7				
			8				
			9				
			10				
			11				
			12				

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 2018-98 Ship: FV Frosti Program: CBS-MEA

Cast/Event #: 403 UTC Date (ddmmmyyy) 7 Sep 2018

Station Name: AMB-04 UTC Time: 21:02

Christine Michael's Station #: 44

CTD File: 2018-98-0403

Water Depth(from surface): 251 m

Sound Speed used by depth sounder: m/s

CTD Operator: CC

In Air pressure (before/after) 0.51 0.62

Weather/Sea State Overcast 15kt winds
In swell

Samp #	Target Property	Depth (m)	Niskin #	Bottle Integrity	Salinity	DIC/Aik	Comments
489	241	✓	1		X		
490	200	✓	2		X		
491	169	✓	3		X		
492	150	✓	4		X		Sed 33.1
493	100	✓	5		X		
494	80	✓	6		X		
495	70	✓	7		X		
496	60	✓	8		X		
497	50	✓	9		X	X	
498	40	✓	10		X		
499	30	✓	11		X		
500			12				

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:

Chlorine = 23m
Sed 33.1 = 169

Rosette Log for IOS Cruise ID 2018-98 Ship: FV Frosti Program: CBS-MEA

Cast/Event #: 405 UTC Date (ddmm/yyyy) 7 Sept 2018

Station Name: AM6-04 UTC Time: 22:13

Christine Michael's Station #: 44

CTD File: 2018-98-0405

Water Depth(from surface): 251 m

Sound Speed used by depth sounder: 1455 m/s

CTD Operator: GC

In Air pressure (before/after) 0.10 / 0.10

Weather/Sea State overcast cold (-1°C)
15~20 kts wind 1m swell

Samp #	Target Property	Depth (m)	Niskin #	Bottle Integrity	Salinity	DIC/Aik	Comments
SD0	Chlor	23	1		X	X	
SD1	Chlor	23	2				
SD2	10		3		X		
SD3	5		4		X	XX	
SD4	5		5				
			6				
			7				
			8				
			9				
			10				
			11				
			12				

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:

Program: CBS-MEA

Ship: FV Frosti

Rosette Log for IOS Cruise ID 2018-98

Lat (N): 69° 42.00

Lon (W): 123 11.39

UTC Date (ddmmmyyyy) 8 Sept 2018

Cast/Event #: 408

UTC Time: 1443

Station Name: BP-05

Christine Michael's Station #: 45

CTD File: 2018-98-0408

Water Depth (from surface): 42 m

Sound Speed used by depth sounder: _____ m/s

In Air pressure (before/after) 0.5, 0.05

Weather/Sea State _____

CTD Operator: AC

Sampl #	Target Property	Depth (m)	Niskin #	Bottle Integrity	Salinity	DIC/AIK	Comments
505	31	✓	1		X	X	
506	20	✓	2		X	X	
507	10	✓	3		X	X	
508	10	✓	4				
509	5	✓	5		X	X	
510	5	✓	6				
			7				
			8				
			9				
			10				
			11				
			12				

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: Oh max 210m but water is uniform