

Cast #9

Filename

Station Name pre 2004-16 9

Date (UTC)
Start: 27 July '04

Bottom:

End:

Time (UTC)
21:11

21:35

Latitude N
71 58.52

71 58.54

Longitude W
95 3.63

95 2.54

Water Depth
342+9 m

Cast Depth
394 m

ROS BOT #	Samp #	Target Salinity	Target Press	Actual Press	BOTTLE INTEGRITY	Diss. OXY	OXY FLASK #	OXY DUP FLASK #	DIC	DIC dup	TOC	C-13	C-13 DUP	BACTERIA	SALINITY	SAL DUP	NUTRIENTS	NUTS DUP	O18	O18 DUP	Ba	Ba DUP	TOTAL CHLa 0.7u	TOTAL CHLa 0.7u DUP	CHLa Size 5u	CHLa Size 10u	POC/PON	POC/PON DUP	DOC/DON	TOC/TON	Bio Si	Cell Size
1	58			400											X		X															
2	59			350											X		X															
3	60			300											X		X															
4	61			250											X		X															
5	62			200											X		X															
6	63			150											X		X															
7	64			100											X		X															
8	65			75											X		X															
9	66			50											X		X															
10	67			25											X		X															
11	68			10											X		X															
12	69			2											X		X															
13																																
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Comments :

Bottles tripped on Up cast or Down cast:

Caps on Ba and salinity re-tightened after warming?

Tighten cap and Parafilm on O-18 at room temp?

Caps on DOC re-tightened after freezing?

Oxygen flask stoppers covered with seawater?

Oxygen flasks shaken twice?

Fill in

Cast #8

Filename

Station Name Pre 2004-16 8

Date (UTC)
Start: July 27/04

Bottom:

End: 20:43

Time (UTC)
20:24

Latitude N
71 57.77

Longitude W
95 11.49

Water Depth
272+9m

Cast Depth
248 dbar

ROS BOT #	Samp #	Target Salinity	Target Press	Actual Press	BOTTLE INTEGRITY	Diss. OXY	OXY FLASK #	OXY DUP FLASK #	DIC	DIC dup	TOC	C-13	C-13 DUP	BACTERIA	SALINITY	SAL DUP	NUTRIENTS	NUTS DUP	O18	O18 DUP	Ba	Ba DUP	TOTAL CHLa 0.7u	TOTAL CHLa 0.7u DUP	CHLa Size 5u	CHLa Size 10u	POC/PON	POC/PON DUP	DOC/DON	TOC/TON	Bio Si	Cell Size
1	49			248											X		X															
2	50			200											X		X															
3	51			150											X		X															
4	52			100											X		X															
5	53			75											X		X															
6	54			50											X		X															
7	55			25											X		X															
8	56			10											X		X															
9	57			2											X		X															
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Comments :

Bottles tripped on Up cast or Down cast:

Caps on Ba and salinity re-tightened after warming?

Tighten cap and Parahim on O-18 at room temp?

Caps on DOC re-tightened after freezing?

Oxygen flask stoppers covered with seawater?

Oxygen flasks shaken twice?

Cast #7

Filename

Station NamePre 2004-16 7

Start:26 July 04

Bottom:"

End:"

Time (UTC)0653

Time (UTC)0654

Time (UTC)0659

Latitude N71 57.50

Latitude N71 57.50

Latitude N71 57.50

Longitude W95 13.91

Longitude W95 13.91

Longitude W95 13.91

Water Depth134

Water Depth

Water Depth

Cast Depth106

Cast Depth

Cast Depth75m off bottom

ROS BOT #	Samp #	Target Salinity	Target Press	Actual Press	BOTTLE INTEGRITY	Diss. OXY	OXY FLASK #	OXY DUP FLASK #	DIC	DIC dup	TOC	C-13	C-13 DUP	BACTERIA	SALINITY	SAL DUP	NUTRIENTS	NUTS DUP	O18	O18 DUP	Ba	Ba DUP	TOTAL CHLa 0.7u	TOTAL CHLa 0.7u DUP	CHLa Size 5u	CHLa Size 10u	POC/PON	POC/PON DUP	DOC/DON	TOC/TON	Bio Si	Cell Size
1	43	NA	100	106											X		X															
2	44		75	75											X		X															
3	45		50	55											X		X															
4	46		25	25											X	X		X														
5	47		10	10											X	X		X														
6	48		2	2											X	X		X														
7																																
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Rosette sampling log Mission 2004-16

Vessel CCGS Louis S. St-Laurent

In Bellot Strait

Cast #6

Filename

Station Namepre 2004-16 6

Start:26 Jul 04

Bottom:"

End:"

Time (UTC)05 26

Time (UTC)05 32

Time (UTC)05 42

Latitude N71 59.18

Latitude N71 59.10

Latitude N71 59.03

Longitude W94 52.45

Longitude W94 52.72

Longitude W94 53.15

Water Depth290

Water Depth210

Water Depth196

Cast Depth75m off bottom

Cast Depth215 db

Cast Depth155m off bottom

ROS BOT #	Samp #	Target Salinity	Target Press	Actual Press	BOTTLE INTEGRITY	Diss. OXY	OXY FLASK #	OXY DUP FLASK #	DIC	DIC dup	TOC	C-13	C-13 DUP	BACTERIA	SALINITY	SAL DUP	NUTRIENTS	NUTS DUP	O18	O18 DUP	Ba	Ba DUP	TOTAL CHLa 0.7u	TOTAL CHLa 0.7u DUP	CHLa Size 5u	CHLa Size 10u	POC/PON	POC/PON DUP	DOC/DON	TOC/TON	Bio Si	Cell Size
1	35	not		215	tripped on the fly										X		X															
2	36			150												X		X														
3	37			100													X		X													
4	38			75													X		X													
5	39			50													X		X													
6	40			25											X	X	X		X													
7	41			10											X	X	X		X													
8	42			2											X	X	X		X													
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Comments : stopped on downcast at 110 db, then continued down.

Bottles tripped on Up cast or Down cast:

Caps on Ba and salinity re-tightened after warming?

Lighten cap and Parafilm on O-18 at room temp?

Caps on DOC re-tightened after freezing?

Oxygen flask stoppers covered with seawater?

Oxygen flasks shaken twice?

Cast #5

Filename

Station NamePre 2004-16 5

Start:26 Jul 04

Bottom:"

End:"

Time (UTC)0430

Time (UTC)0441

Latitude N72 0.36

Latitude N72 03.3

Longitude W94 34.56

Longitude W94 34.64

Water Depth107

Water Depth106

Cast Depth98 db

Cast Depthless than 5m off bottom

ROS BOT #	Samp #	Target Salinity	Target Press	Actual Press	BOTTLE INTEGRITY	Diss. OXY	OXY FLASK #	OXY DUP FLASK #	DIC	DIC dup	TOC	C-13	C-13 DUP	BACTERIA	SALINITY	SAL DUP	NUTRIENTS	NUTS DUP	O18	O18 DUP	Ba	Ba DUP	TOTAL CHLa 0.7u	TOTAL CHLa 0.7u DUP	CHLa Size 5u	CHLa Size 10u	POC/PON	POC/PON DUP	DOC/DON	TOC/TON	Bio Si	Cell Size
1	29	NA		98	on the fly									X	X		X															
2	30	"		75											X	X		X														
3	31	"		50											X	X		X														
4	32	"		25											X	X		X														
5	33	"		10											X	X		X														
6	34	"		2											X	X		X														
7																																
8																																
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Comments :

Bottles tripped on Up cast or Down cast:

Caps on Ba and salinity re-tightened after warming?

Tighten cap and Parafilm on O-18 at room temp?

Caps on DOC re-tightened after freezing?

Oxygen flask stoppers covered with seawater?

Oxygen flasks shaken twice?

Cast #4

Filename

Station Name Pre 2004-16 4

Start: 26 July 04

Bottom: "

End: "

Time (UTC)
0400
0402
0405

Latitude N
71 59.88
71 59.89
71 59.85

Longitude W
94 23.88
94 23.91
94 23.91

Water Depth
65m

66m

Cast Depth
X
57
X

ROS BOT #	Samp #	Target Salinity	Target Press	Actual Press	BOTTLE INTEGRITY	Diss. OXY	OXY FLASK #	OXY DUP FLASK #	DIC	DIC dup	TOC	C-13	C-13 DUP	BACTERIA	SALINITY	SAL DUP	NUTRIENTS	NUTS DUP	O18	O18 DUP	Ba	Ba DUP	TOTAL CHLa 0.7u	TOTAL CHLa 0.7u DUP	CHLa Size 5u	CHLa Size 10u	POC/PON	POC/PON DUP	DOC/DON	TOC/TON	Bio Si	Cell Size
1	25			57	on the fly upcast									X	X		X															
2	26			26											X	X		X														
3	27			10											X	X		X														
4	28			2											X	X		X														
5																																
6																																
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Cast # 3

Filename _____

Station Name Pre 2004-16 3

Date (UTC) 26 July 04

Time (UTC) _____

Latitude N 71° 59.96

Longitude W 93° 54.56

Water Depth 74

Cast Depth 75db

Start: _____

Bottom: _____

End: _____

ROS BOT #	Samp #	Target Salinity	Target Press	Actual Press	BOTTLE INTEGRITY	Diss. OXY	OXY FLASK #	OXY DUP FLASK #	DIC	DIC dup	TOC	C-13	C-13 DUP	BACTERIA	SALINITY	SAL DUP	NUTRIENTS	NUTS DUP	O18	O18 DUP	Ba	Ba DUP	TOTAL CHLa	TOTAL CHLa 0.7u	TOTAL CHLa 0.7u DUP	CHLa Size 5u	CHLa Size 10u	POC/PON	POC/PON DUP	DOC/DON	TOC/TON	Bio Si	Cell Size
1	20	NA	75	75	on the fly upcast									X	X		X																
2	21	"	50	50											X	X		X															
3	22	"	25	25											X	X		X															
4	23	"	10	10											X	X		X															
5	24	"	2	2											X	X		X															
6																																	
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Comments :

Bottles tripped on Up cast or Down cast?

Caps on Ba and salinity re-tightened after warming?

Tighten cap and Parafilm on O-18 at room temp?

Caps on DOC re-tightened after freezing?

Oxygen flask stoppers covered with seawater?

Oxygen flasks shaken twice?

Cast #2

Filename

Station Name Pre 2004-16 2

Start: 25 Jul 04

Bottom: "

End: "

Time (UTC)
19 33
19 48
20 01

Latitude N
73 16.21
73 15.85
73 15.61

Longitude W
90 38.34
90 38.56
90 39.07

Water Depth
334

Cast Depth
~~33~~
340 db
X

ROS BOT #	Samp #	Target Salinity	Target Press	Actual Press	BOTTLE INTEGRITY	Diss. OXY	OXY FLASK #	OXY DUP FLASK #	DIC	DIC dup	TOC	C-13	C-13 DUP	BACTERIA	SALINITY	SAL DUP	NUTRIENTS	NUTS DUP	O18	O18 DUP	Ba	Ba DUP	TOTAL CHLa 0.7u	TOTAL CHLa 0.7u DUP	CHLa Size 5u	CHLa Size 10u	POC/PON	POC/PON DUP	DOC/DON	TOC/TON	Bio Si	Cell Size
1	9	NA	bottom	340	on the fly									X	X		X															
2	10	"	300	300											X	X		X														
3	11	"	250	250											X	X		X														
4	12	"	200	200											X	X		X														
5	13	"	150	150											X	X		X														
6	14	"	100	100											X	X		X														
7	15	"	75	78											X	X		X														
8	16	"	50	59											X	X		X														
9	17	"	25	25											X	X		X														
10	18	"	10	10											X	X		X														
11	19	"	2	1.6											X	X		X														
12					upcast																											
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Comments : bottles tripped on the fly @ 30m/min

Bottles tripped on Up-cast or Down-cast:

Caps on Ba and salinity re-tightened after warming?

Tighten cap and Parafilm on O-18 at room temp?

Caps on DOC re-tightened after freezing?

Oxygen flask stoppers covered with seawater?

Oxygen flasks shaken twice?

Cast #1

Filename

Station NamePre 2004-16 1

Start:25 Jul 04

Bottom:"

End:1

Time (UTC)1456

Latitude N74 6.96

Longitude W89 39.62

Water Depth225+10

Cast Depth

74 6.90

89 38.63

74 6.87

89 38.10

ROS BOT #	Samp #	Target Salinity	Target Press	Actual Press	BOTTLE INTEGRITY	Diss. OXY	OXY FLASK #	OXY DUP FLASK #	DIC	DIC dup	TOC	C-13	C-13 DUP	BACTERIA	SALINITY	SAL DUP	NUTRIENTS	NUTS DUP	O18	O18 DUP	Ba	Ba DUP	TOTAL CHLa 0.7u	TOTAL CHLa 0.7u DUP	CHLa Size 5u	CHLa Size 10u	POC/PON	POC/PON DUP	DOC/DON	TOC/TON	Bio Si	Cell Size	
1	1	NA	bottom	223	STOP										X		X																
2	2	"	200	198	STOP										X		X																
3	3	"	150	150	on the fly @ 30 m/min										X		X																
4	4	"	100	100												X		X															
5	5	"	75	75												X		X															
6	6	"	50	50												X		X															
7	7	"	25	25												X		X															
8	8	"	5	1.6												X		X															
9																																	
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Comments : on the fly (bottles 3-8) @ 30m/min

Bottles tripped on Up cast or Down cast:

Caps on Ba and salinity re-tightened after warming?

Tighten cap and Parafilm on O-18 at room temp?

Caps on DOC re-tightened after freezing?

Oxygen flask stoppers covered with seawater?

Oxygen flasks shaken twice?

Date (UTC) Time (UTC) Latitude N Longitude W Water Depth Cast Depth

Cast # 5

Start: _____

Filename _____

Bottom: _____

Station Name _____

End: _____

ROS BOT #	Samp #	Target Salinity	Target Press	Actual Press	BOTTLE INTEGRITY	Diss. OXY	OXY FLASK #	OXY DUP FLASK #	DIC	DIC dup	TOC	C-13	C-13 DUP	BACTERIA	SALINITY	SAL DUP	NUTRIENTS	NUTS DUP	O18	O18 DUP	Ba	Ba DUP	TOTAL CHLa 0.7u	TOTAL CHLa 0.7u DUP	CHLa Size 5u	CHLa Size 10u	POC/PON	POC/PON DUP	DOC/DON	TOC/TON	Bio Si	Cell Size
1																																
2																																
3																																
4																																
5																																
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24																																

Comments :

Bottles tripped on Up cast or Down cast: ☐

Caps on Ba and salinity re-tightened after warming? ☐

Tighten cap and Parafilm on O-18 at room temp? ☐

Caps on DOC re-tightened after freezing? ☐

Oxygen flask stoppers covered with seawater? ☐

Oxygen flasks shaken twice? ☐