

OCEAN SCIENCES STRICKLAND EVENT LOG

VESSEL: STRICKLAND

Collected By: Steph Peacock

DATE: 10 July 2007

Sei Shii

Consecutive Stn #: 1

Station Name: SI

Notes: (temperature, wind, barometer, weather, sea-state, etc)
 25°C, Wind 7 kts from south, barometer 30", rippled water

EVENT NUMBER	EVENT TYPE	TIME	LAT.	LONG.	BOTTOM DEPTH (m)	CAST DEPTH (m)	NOTES (e.g. CTD file names, bottle depths, flow meter readings, etc)
1	CTD	9:45	48° 30.928'	123° 32.404'	150	140	20070710-SI.heve
2	deep cast Niskin	10:00	"	"	150	140	110 115 120 125 130 135 140 30 25 20 15 10 5
3	200- plankton	10:30	"	"	150	50	0-50 m Flow start 00002 stop 00270
4	200- plankton	10:50	"	"	150	100	0-100 m Flow start 00270 stop 00790
5	Shallow cast Niskin	11:05	"	"	150	100	0 5 10 20 40 60 80 100 77 10 20 30 40 50

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OCEAN SCIENCES STRICKLAND EVENT LOG

VESSEL: STRICKLAND

Collected By: Alan

DATE: 10 July 07

Consecutive Stn #: 2

Station Name: SZ

Notes: (temperature, wind, barometer, weather, sea-state, etc)

26°C, 9 knots Easterly, 29.96 inches Hg, clear weather, calm water

EVENT NUMBER	EVENT TYPE	TIME	LAT.	LONG.	BOTTOM DEPTH (m)	CAST DEPTH (m)	NOTES (e.g. CTD file names, bottle depths, flow meter readings, etc)
6	CTD	1210	48°33'112"	123°32'076"	213	205	Cast 1: 110, 120, 130, 140, 150, 160, 170, 180, 190, 200 Cast 2: 0, 5, 10, 20, 30, 40, 50, 60, 70, 80, 90, 100 20070710_SZ.hex
7	Niskin Cast 1	1227 1245	48°33'140"	123°31'788"	213	205	Depths: 110, 120, 130, 140, 150, 160, 170, 180, 190, 200 (m) 205
8	Niskin Cast Zoo 1	1321	48°33'215"	123°31'895"	213	50	Start 00890 Flow / Stop 01050 0-50m tow - jellyfish removed
9	Zooplankton Zoo 2	1340	48°33'215"	123°31'895"	213	100	Start 00890 Flow / Stop 01635 01050 0-50m tow 100
10	Niskin Cast 2	1400	48°33'159"	123°32'224"	213	100m	Depths: 0, 5, 10, 20, 40, 60, 80, 100 (m)

5 10 15 20 25 30 35 40 45 50 55 60 65 70 75 80 85 90 95 100

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110 120 130 140 150 160 170 180 190 200
Wire Out
100 90 80 70 60 50 40 30 20 10
75 85 95 65 55 45 35 25 15
205 10 12 14 16 18 20 22 24 26 28 30

OCEAN SCIENCES STRICKLAND EVENT LOG

VESSEL: STRICKLAND

Collected By: Sei Ishii

DATE: July 10, 2007

Consecutive Stn #: 3

Station Name: S12

Notes: (temperature, wind, barometer, weather, sea-state, etc)

Lost weights for the zooplankton net.
Stronger wind from NW

EVENT NUMBER	EVENT TYPE	TIME	LAT.	LONG.	BOTTOM DEPTH (m)	CAST DEPTH (m)	NOTES (e.g. CTD file names, bottle depths, flow meter readings, etc)
11	CTD	15:15	49° 41' .820 W	123° 31' .151	71	65	20070710 - s12.hex
12	Uskim	15:25	"	"	70	60	Cast 0, 5, 10, 20, 40, 60. 70 m * 70m was cancelled.
13	Zoo - plankton net	15:45	"	"	70	50	Flow meter [Start 01634 0-50m [end 01960 * weights were replaced to lighter type. * wire initially angled slightly
							* correct labels at 1200 Flow Stop listed as 02960 - should be 01960
							(Note)

OCEAN SCIENCES STRICKLAND EVENT LOG

VESSEL: STRICKLAND

Collected By: Cara

DATE: July 10 '07

Consecutive Stn #: 4

Station Name: PB3

Notes: (temperature, wind, barometer, weather, sea-state, etc)
 calm to light winds 29.87" Hg
 not a cloud in the sky! 25°C rippled sea

EVENT NUMBER	EVENT TYPE	TIME	LAT.	LONG.	BOTTOM DEPTH (m)	CAST DEPTH (m)	NOTES (e.g. CTD file names, bottle depths, flow meter readings, etc)
14	CTD	4:22	48°38.667'	123°28.968'	105m	100m	20070710-pb3-hex
15	Niskin	4:40	48°38.622'	123°29.029'	100m	90m	$\begin{matrix} 80 & 75 & 60 & 50 & 40 \\ 30 & 20 & 10 & 0 & \end{matrix}$ 20 to 30 10 error
16	Zoop ₁	4:55	48°38.648'	123°28.961'	100m	50m	flow start: 01960 ?? flow stop 02255
17	Zoop ₂	5:10	48°38.668'	123°28.881' 123°28.881'	107m	100m	flow start 02255 flow stop 02778
	Sit	a few minutes					correct labels on bottles + bag! from 02960 to 01960

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NOTE: Flow start and for event 16 and flow stop for event 13 are in error. John will sort out. - correct

OCEAN SCIENCES STRICKLAND EVENT LOG

VESSEL: STRICKLAND

Collected By: B. Smith

DATE: 2007/7/11

Consecutive Stn #: 5

Station Name: S3

Notes: (temperature, wind, barometer, weather, sea-state, etc)
Little - No wind, calm waters, clear skies

EVENT NUMBER	EVENT TYPE	TIME	LAT.	LONG.	BOTTOM DEPTH (m)	CAST DEPTH (m)	NOTES (e.g. CTD file names, bottle depths, flow meter readings, etc)
18	CTD	0905	48°35.526	123°30.245	225	220	20070711-S3, hex
19	Niskin BTLS	0921	48°35.453	123°30.371	225	218	Depths: 210, 190, 170, 150, 140, 130, 120, 110, 100, 90, 80, 70, 60, 50, 40, 30, 20, 10, 0
20	Zooplank. 250µm	0954	48°35.453	123°30.371	225	50m	Depths: 100, 80, 60, 40, 20, 0 0-50m Flow stop 03066
							- small angle on wire
21	Zooplank 250µm	1010	48°35.453	123°30.371	225	100m	0-100m Flow start 03066 Flow stop: 03590

22 Nisk
2 1030

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225

100, 80, 60, 40, 20, 10, 5, 0

OCEAN SCIENCES STRICKLAND EVENT LOG

VESSEL: STRICKLAND

Collected By: Katrina

DATE: July 11

Consecutive Stn #: 6

Station Name: S4

Notes: (temperature, wind, barometer, weather, sea-state, etc)

wind ~~ENE~~ NNE ~~10-15~~ 5-10 kts
cc $\frac{1}{8}$
255

EVENT NUMBER	EVENT TYPE	TIME	LAT.	LONG.	BOTTOM DEPTH (m)	CAST DEPTH (m)	NOTES (e.g. CTD file names, bottle depths, flow meter readings, etc)
23	CTD	1119	48° 38.278	128° 30' 108	197	190	20070711 - S4.hex
24	Bottle Cast #1	1136	"	"	197	190	Deepest 190 ²⁰ , 170 ²⁰ , 150 ¹⁰ , 140 ¹⁰ 136 ¹⁰ , 125 ⁵ , 120 ⁵ , 110 ¹⁰
25	Zoop	1207	"	"	197	50m	vertical Flow start 03592 0-50m Flow Stop 03881
26	Zoop	12:30	"	"	197	100m	vertical Flow start 03881 0-100m Flow Stop 04404
27	Bottle Cast	12:51	"	"	200	100	100 ²⁰ 80 ²⁰ 60 ²⁰ 40 ²⁰ 20 ¹⁰ 10 ⁵ 5 ⁵ 0

OCEAN SCIENCES STRICKLAND EVENT LOG

VESSEL: STRICKLAND

Collected By: Corynne Smy

DATE: July 11 2007

Consecutive Stn #: 7

Station Name: 55

Notes: (temperature, wind, barometer, weather, sea-state, etc)

sea state - v. calm
weather - clear & warm
wind - little to no wind.

temp - ~31°C

EVENT NUMBER	EVENT TYPE	TIME	LAT.	LONG.	BOTTOM DEPTH (m)	CAST DEPTH (m)	NOTES (e.g. CTD file names, bottle depths, flow meter readings, etc)
28	CTD	14:13	48°44.554	123°23.559	85m	80m	file name 20070711-55new.hex
29	Niskin	14:28	48°44.554	123°23.559	85m	80m	0, 5, 10, 20, 40, 60, 80
30	ZOO Plankton	14:40	"	"	85m	50m	1 cast. flow metre start: 04404 flow metre stop: 04692

OCEAN SCIENCES STRICKLAND EVENT LOG

VESSEL: STRICKLAND

Collected By: Andrea Pric

DATE: July 11, 2007

Consecutive Stn #: 8

Station Name: 36

Notes: (temperature, wind, barometer, weather, sea-state, etc)

30°C, 0km, 29.7 in, sunny, 1 - calm, flat.

EVENT NUMBER	EVENT TYPE	TIME	LAT.	LONG.	BOTTOM DEPTH (m)	CAST DEPTH (m)	NOTES (e.g. CTD file names, bottle depths, flow meter readings, etc)
31	CTD	3:24	48° 42' 861	123° 28' 130	93	90	
32	Niskin bottles	3:45	"	"	80.2	75	75 60 40 20 10 5 0 15 20 20 10 5
33	Zoop	4:00	"	"	95	50	start 04692 - towed on an angle stop 04992 - label in bag doesn't have the stop flow meter had to stop net at 5m

Water Chemistry Sampling

University of Victoria

Cruise: OSM JULY'07

Station Name: S1

Date: July 10/07

Time: 10:15 (tripped)

Cast #: 1 Event #: 2 (1st / 2nd) Sampler Names: Aly, Alan, Cara

Niskin Bottle	Target Depth (m)	Oxygen Bottle #'s	DIC Bottle#	pH / T °C	NH4 Vial#	(black) NUT #	(red) NO2 #	Mn # (✓ when spiked)	CHL Vial#	Filtered Vol (mL)
<u>17</u>	<u>110</u>	<u>001/002</u>	X	⁽¹⁻²⁾ <u>7.45/16.8</u>	<u>A1</u>	<u>9</u>	<u>9</u>	<u>2</u>	X	X
<u>26</u>	<u>115</u>	X	X	⁽¹⁻⁶⁾ <u>7.39/17.2</u>	<u>A2</u>	<u>10</u>	<u>10</u>	<u>3</u>	X	X
<u>35</u>	<u>120</u>	<u>004/003</u>	X	⁽¹⁻⁵⁾ <u>7.40/17.6</u>	<u>A3</u>	<u>11</u>	<u>11</u>	<u>4</u>	X	X
<u>44</u>	<u>125</u>	<u>005/006</u>	<u>C-01</u>	⁽¹⁻⁴⁾ <u>7.43/17.5</u>	<u>A4</u>	<u>12</u>	<u>12</u>	<u>5</u>	X	X
<u>53</u>	<u>130</u>	<u>007/008</u>	X	⁽¹⁻³⁾ <u>7.41/17.5</u>	<u>A5</u>	<u>13</u>	<u>13</u>	<u>6</u>	X	X
<u>62</u>	<u>135</u>	X	X	⁽¹⁻²⁾ <u>7.39/17.7</u>	<u>A6</u>	<u>14</u>	<u>14</u>	<u>7</u>	X	X
<u>71</u>	<u>140</u>	X	<u>C-02</u>	⁽¹⁻¹⁾ <u>7.40/18.1</u>	<u>A7</u>	<u>15</u>	<u>15</u>	<u>8</u>	X	X
<u>8</u>										

NOTES: 007 fell on ground but was re-used

Ammonia Standards? Vial# 0uM = A8 5uM = A9 10uM = A10 15uM = A11

Time spiked? 11:03

1 set of standards per site

Water Chemistry Sampling

University of Victoria

Cruise: OSM JULY'07

Station Name: S1

Date: July 10/07 Time: 11:22 (on deck)

Cast #: 2 Event #: 24

Sampler Names: Aly, Alan, Cara

(1st/2nd)

Niskin Bottle	Target Depth (m)	Oxygen Bottle #'s	DIC Bottle#	pH / T °C	NH4 Vial#	(black) NUT #	(red) NO2 #	Mn # (✓ when spiked)	CHL Vial#	Filtered Vol (mL)
18	0	009/010	C-03	(2.0) 8.46/19.5	A12	1	1	1	✓	250.0
27	5	011/012	X	(2.0) 8.30/19.0	A13	2	2	X	X	X
36	10	013/014	C-04	(2.0) 8.36/19.8	A14	3	3	X	✓	250.0
45	20	015/016	X	(2.0) 8.37/20.8	A15	4	4	X	✓	250.0
54	40	X	X	(2.0) 7.67/16.5	A16	5	5	X	✓	250.0
63	60	X	X	(2.0) 7.54/16.1	A17	6	6	X	X	X
72	80	017/018	C-05	(2.0) 7.39/16.9	A18	7	7	X	X	X
81	100	019/020	C-06	(2.0) 7.35/16.9	A19	8	8	X	X	X

NOTES: bottle # 3 leaking

501 (NO₂) standard taken at 0m ☒

Ammonia Standards? Vial# 0uM = X 5uM = X 10uM = X 15uM = X

Time spiked? X 115 Dan

Water Chemistry Sampling

University of Victoria

Cruise: OSM JULY'07

Station Name: S2

Date: July 10/07

Time: 12:30

Cast #: 1 Event #: 7

Sampler Names: Steph Peacock, Kendra Meier, Sei Ishii, Brook

Niskin Bottle	Target Depth (m)	Oxygen Bottle #'s	K DIC Bottle#	pH / T °C	NH4 Vial#	Se NUT #	St NO2 #	Mn # (✓ when spiked)	CHL Vial#	Filtered Vol (mL)
8	110	021-022	X	7.48/16.8	A27	24	24	11 ✓	X	X
7	120	023-024	X	7.35/16.8	A26	25	25	12 ✓	X	X
6	130	025-026	C-07	7.31/16.8	A25	26	26	13 ✓	X	X
5	140	X	X	7.37/17.3	A24	27	27	14 ✓	X	X
4	150	X	X	7.33/16.8	A23	28	28	15 ✓	X	X
3	170	X	C-08	7.38/14.9	A22	29	29	16 ✓	X	X
2	190	X	X	7.41/15.2	A21	30	30	17 ✓	X	X
1	205	X	C-09	7.47/15.4	A20	31	31	18 ✓	X	X

NOTES:

Jellyfish in bottle #7, #7 was slipping on wire

Ammonia Standards? Vial# 0uM = A28 5uM = A29 10uM = A30 15uM = A31

Time spiked? 13:35

Water Chemistry Sampling

University of Victoria

Cruise: OSM JULY'07

Station Name: S2

Date: July 10/07 Time: 13:57

Cast #: 2 Event #: 10

Sampler Names: Kendra Meier, Brook Lisson, Sei Ishii, Steph Peacock

Niskin Bottle	Target Depth (m)	Oxygen Bottle #'s	DIC Bottle#	pH / T °C	NH4 Vial#	NUT #	NO2 #	Mn # (✓ when spiked)	CHL Vial#	Filtered Vol (mL)
48	0	27 28	C-10	8.24/20.2	A39	16	16	9 ✓	✓	250
47	5	29 30	X	8.21/19.0	A38	17	17	X	✓	250
46	10	31 32	C-11	8.19/18.3	A37	18	18	X	✓	250
45	20	33 34	X	8.34/19.6	A36	19	19	X	✓	250
44	40	35 36	X	7.88/16.0	A35	20	20	X	X	X
43	60	X	X	7.55/16.3	A34	21	21	X	X	X
42	80	37 38	C-12	7.57/13.8	A33	22	22	X	X	X
41	100	39 40	X	7.55/13.8°C	A32	23	23	10 ✓	X	X

NOTES:

Ammonia Standards? Vial# 0uM = 5uM = 10uM = 15uM = Time spiked?

Water Chemistry Sampling

University of Victoria

Cruise: OSM JULY'07

Station Name: S12

Date: July 10 07 Time: 3:30 PM

Cast #: 1 Event #: 12

Sampler Names: Alanna, Alan, Cara

Niskin Bottle	Target Depth (m)	Oxygen Bottle #'s	DIC Bottle#	pH / T °C	NH4 Vial#	black NUT #	red NO2 #	Mn # (✓ when spiked)	CHL Vial#	Filtered Vol (mL)
6 ₁	0	41/42	C19	1-6 8.03/19.4	A40	32	32	19✓	0m	250.0
5 ₂	5	43/44	X	1-5 8.06/17.7	A41	33	33	X	X	X
4 ₃	10	45/46	X	1-4 8.00/17.3	A42	34	34	X	10m	250.0
3 ₄	20	X	X	1-3 8.05/17.0	A43	35	35	X	20m	250.0
2 ₅	40	47/48	C20	1-2 7.80/16.3	A44	36	36	X	40m	250.0
1 ₆	60	49/50	C21	1-1 7.70/16.2	A45	37	37	X	X	X
7 ₁	70	X	X			38	38	X	X	X
8										

NOTES:

Ammonia Standards? Vial# 0uM = 5uM = 10uM = 15uM = Time spiked?

Water Chemistry Sampling

University of Victoria

Cruise: OSM JULY'07Station Name: PB3Date: July 10/07 Time: 4:30 pmCast #: 1 Event #: 15Sampler Names: Steph, Sei, Kendra, Brook

Niskin Bottle	Target Depth (m)	Oxygen Bottle #'s	DIC Bottle#	pH / T °C	NH4 Vial#	NUT #	NO2 #	Mn # (✓ when spiked)	CHL Vial#	Filtered Vol (mL)
1	90	059/060	C23	7.44 / 12.1°C	A46	46	46	21 ✓	✓	250
2	80	✓	✓	7.55 / 14.9	A47	45	45	✓	✓	250
3	60	✓	✓	7.68 / 15.3	A48	44	44	✓	✓	250
4	40	057/058	C24	7.74 / 15.6	A49	43	43	✓	✓	250
5	20	✓	✓	8.16 / 19.5°	A50	42	42	✓	✓	250
6	10	055/056	✓	8.15 / 19.1°	A51	41	41	✓	✓	250
7	5	053/054	✓	8.32 / 20.6°	A52	40	40	✓	✓	250
8	0	051/052	C22	8.28 / 21.7°	A53	39	39	20 ✓	✓	250

NOTES:

Ammonia Standards? Vial# 0uM = 5uM = 10uM = 15uM = Time spiked?

Water Chemistry Sampling

University of Victoria

Cruise: OSM JULY'07

Station Name: 53

Date: July 11, 2007 Time: 9:20

Cast #: 1 Event #:

Sampler Names: Sean M, Scott J, Katrina G.

Niskin Bottle	Target Depth (m)	Oxygen Bottle #'s	DIC Bottle#	pH / T °C	NH4 Vial#	^{blue} NUT #	^{red} NO2 #	Mn # (✓ when spiked)	CHL Vial#	Filtered Vol (mL)
1	210	X	C-15	7.32/17.6	A-63	62	44	31 ✓	X	
2	190	X	X	7.30/17.5	A-64	61	61	30 ✓	X	
3	170	X	C-16	7.32/17.8	A-65	60	60	29 ✓	X	
4	150	X	X	7.33/18.0	A-66	59	59	28 ✓	X	
5	140	X	X	7.27/18.5	A-67	58	58	27 ✓	X	
6	130	065/066	C-18	7.33/18.8	A-68	57	57	26 ✓	X	
7	120	063/064	X	7.32/18.7	A-69	56	56	25 ✓	X	
8	110	061/062	X	7.32/19.4	A-70	55	55	24 ✓	X	

NOTES:

Ammonia Standards? Vial# 0uM = A71 5uM = A72 10uM = A73 15uM = A74

Time spiked? 10:20

Water Chemistry Sampling

University of Victoria

Cruise: OSM JULY'07

Station Name: S3

Date: July 11, 2007 Time: 10:40

Cast #: 2 Event #: 22

Sampler Names: Sean M, Scott J, Katrina G.

Niskin Bottle	Target Depth (m)	Oxygen Bottle #'s	DIC Bottle#	pH / T °C	NH4 Vial#	black NUT #	red NO2 #	Mn # (✓ when spiked)	CHL Vial#	Filtered Vol (mL)
1	100	079/080	X	7.53/15.0	A82	54	54	23 ✓	X	X
2	80	077/078	C-17	7.53/15.4	A81	53	53	X	X	X
3	60	X	X	7.67/15.2	A80	52	52	X	X	X
4	40	075/076	X	7.74/16.8	A79	51	51	X	✓	250
5	20	073/074	X	8.28/20.2	A78	50	50	X	✓	250
^{Capmaged} 6	10	071/072	C-14	8.22/19.5	A77	49	49	X	✓	250
7	5	069/070	X	8.26/20.1	A76	48	48	X	X	X
8	0	067/068	C-13	8.26/20.7	A75	47	47	22 ✓	✓	250

NOTES:

Ammonia Standards? Vial# 0uM =

5uM =

10uM =

15uM =

Time spiked? 11:00

Water Chemistry Sampling

University of Victoria

Cruise: OSM JULY'07

Station Name: S4

Date: July 11 '07 Time: 11:55 am

Cast #: 1 Event #: 24

Sampler Names: Corynne Spry, Brenden Smith, Amanda Shepley, Kristen Cooke

Niskin Bottle	Target Depth (m)	Oxygen Bottle #'s	DIC Bottle#	pH / T °C	NH4 Vial#	NUT #	NO2 #	Mn # (✓ when spiked)	CHL Vial#	Filtered Vol (mL)
1	190	X	C-33	7.42/15.6	A83	78	92	41✓		
2	170	X	X	7.44/15.1	A84	77	91	40✓		
3	150	X	C-32	7.46/14.7	A85	76	90	39✓		
4	140	X	X	7.47/15.5	A86	75	89	38✓		
5	130	87+88	X	7.51/15.5	A87	74	88	37✓		
6	125	85+86	C-31	7.51/16.0	A88	73	87	36✓		
7	120	83+84	X	7.52/16.2	A89	72	86	35✓		
8	110	81+82	X	7.51/16.1	A90	71	85	34✓		

NOTES:

Ammonia Standards? Vial# 0uM = A91 5uM = A92 10uM = A93 15uM = A94

Time spiked? 12:23

Water Chemistry Sampling

University of Victoria

Cruise: OSM JULY'07

Station Name: S4

Date: July 11 '07 Time: 2-2:30pm

Cast #: 2 Event #: 27

Sampler Names: Corynne Spry, Brenden Smith, Amanda Shpeley, Kristen Cooke

Niskin Bottle	Target Depth (m)	Oxygen Bottle #'s	DIC Bottle#	pH / T °C	NH4 Vial#	NUT #	NO2 #	Mn # (✓ when spiked)	CHL Vial#	Filtered Vol (mL)
1	100	99+100	X	7.43/13.6	A95	70	84	33✓		
2	80	X	C-34	7.57/13.9	A96	69	83	X		
3	60	97+98	X	7.61/14.0	A97	68	82	X		
4	40	X	X	7.66/15.3	A98	67	81	X	vials	250
5	20	95+96	X	8.11/18.6	A99	66	80	X	are	250
6	10	93+94	C-35	8.16/19.2	A100	65	79	X	marked with	250
7	5	91+92	X	8.16/20.1	A101	64	78	X	date, depth	250
8	0	89+90	C-36	8.13/21.7	A102	63	77	32✓	stn, event#	250

NOTES:

13:15

Ammonia Standards? Vial# 0uM = 5uM = 10uM = 15uM =

Time spiked? 13:15

Water Chemistry Sampling

University of Victoria

Cruise: OSM JULY'07

Station Name: S5 (new)

Date: July 11, 07 Time: Finished 15:20

Cast #: 1 Event #: 29

Sampler Names: Scott J, Katrina G, Sean M, Andrea P.

Niskin Bottle	Target Depth (m)	Oxygen Bottle #'s	DIC Bottle#	pH / T °C	NH4 Vial#	white NUT #	red NO2 #	Mn # (✓ when spiked)	CHL Vial#	Filtered Vol (mL)
1	80	109 and 110	C-37	7.76/15.4°	A103	85	68	#112 ✓	X	X
2	60	X	X	7.80/16.5°	A104	84	67	X	X	X
3	40	107 and 108	C-38	7.85/17.1°	A105	83	66	X	✓	250
4	20	X	X	8.40/19.4°	A106	82	65	X	✓	250
5	10	105 and 106	X	8.12/20.5°	A107	81	64	X	✓	250
6	5	103 and 104	X	8.13/21.5°	A108	80	63	X	X	X
7	0	101 and 102	C-39	8.16/22.6°	?	79	62	#143 ✓	✓	250
8	/	/	/	/	/	/	/	/	/	/

NOTES: Only 7 bottles sampled due to shallower depth than expected (<100m)

Ammonia Standards? Vial# 0uM =

5uM =

10uM =

15uM =

Time spiked?

Water Chemistry Sampling

University of Victoria

Cruise: OSM JULY'07

Station Name: S8

Date: July 11 2007 Time: 3:30 pm

Cast #: 1 Event #: 32

Sampler Names: Kristen Cooke, Cory Anne Spry, Brenden Smith, Amanda Shepley

Niskin Bottle	Target Depth (m)	Oxygen Bottle #'s	DIC Bottle#	pH / T °C	NH4 Vial#	NUT #	NO2 #	Mn # (✓ when spiked)	CHL Vial#	Filtered Vol (mL)
1	75	119:120	C-27	7.67/14.1	A110	93	76	X	X	X
2	60	X	X	7.66/15.4	A111	92	75	X	X	X
3	40	117:118	C-26	7.78/16.4	A112	91	74	X		250
4	20	X	X	7.96/18.2	A113	90	73	X		250
5	10	115:116	X	8.01/19.0	A114	89	72	X		250
6	5	113:114	X	8.02/19.3	A115	88	71	X		250
7	0	111:112	C-25	8.07/21.5	A116	87	70	44✓		
8										

NOTES:

Ammonia Standards? Vial# 0uM =

5uM =

10uM =

15uM =

Time spiked? 4:10