# OCEAN SCIENCES STRICKLAND EVENT LOG

VESSEL: Strickland

Date: JULY 8, 2008

Collected By: THOMAS

Consecutive Stn #: 1

Station Name: S3

Notes: (temperature, wind, barometer, weather, sea-state, etc)
SEA STATE FLAT, SUNNY, CALM SWONDS w.b

| 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 | 0914 | 48° 35.50'N | 123° 30.28'W | 228 | 218 | 20080708_S3.hex |
| 2 | Zoo Tow | 0927 | 48° 35.58'N | 123° 30.24'W | 228 | 50-00 | SCOR NET |
| 3 | Zoo Tow | 0945 | 48° 35.56'N | 123° 30.22'W | 228 | 100-50 | * KICK @ 53m SCOR NET |
| 4 | NISKIN BOTTLES #1 | 1016 | 48° 35.49'N | 123° 30.29'W | 228 | 110 140<br>125 130<br>100 115<br>150 100 | 1 2 3 4 5 6 7 8<br>0 35 15 10 10 10 15 15 MAX 218<br>50 60 70 80 95 110 |
| 5 | NISKIN BOTTLES #2 | 1110 | 48° 35.57'N | 123° 30.26'W | 228 | 75 20<br>50 10<br>40 05<br>30 0 | 0 25 10 10 16 10 5 5 MAX 75<br>35 45 55 65 70 75 |

# OCEAN SCIENCES STRICKLAND EVENT LOG

VESSEL: Strickland

Date: July 8, 2008

Collected By: Dusty

Consecutive Stn #: ~~32~~ 2

Station Name: S2

Notes: (temperature, wind, barometer, weather, sea-state, etc)
Sunny, slight sea state, moderate winds (~ white caps on $H_2O$)

| 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 | 11:43 | 48° 33.103' N | 123° 32.080' W | 214 | 205 | kick @ 20080708_S2.hex |
| 7 | ZooP #1 | 11:52 | 48° 33.096' N | 123° 31.985' W | 214 | 0-50 | 1m/s up Successful 20mL of poison ✓ |
| 8 | ZooP #2 | 12:03 | 48° 33.114' N | 123° 32.044' W | 214 | 60-100 | kick @ 60m *not expected supposed to be @ 50m ✓ |
| 9 | Niskin Bottle #1 | 12:24 | 48° 33.127' N | 123° 32.041' W | 213 | 90 145<br>105 155<br>125 175<br>135 205 | 0 30 50 60 70 80 100 115 ✓MAX 205<br>Successful |
| 10 | Niskin Bottle #2 | 13:04 | 48° 33.155' N | 123° 32.062' W | 214 | 0 30<br>5 40<br>10 50<br>20 75 | 0 25 35 45 55 65 70 75 ✓MAX 75 |

# OCEAN SCIENCES STRICKLAND EVENT LOG

VESSEL: STRICKLAND
DATE: 8 July 08

Collected By: Rowan Fox

Consecutive Stn #: 3
Station Name: S4

Notes: (temperature, wind, barometer, weather, sea-state, etc)
Sunny, calm winds and seas.

| 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 | 13:55 | 48°38.426N | 123°30.126W | 200 | 190 | 20080708_s4.hex |
| 12 | Plankton net | 14:06 | 48° 38 .465N | 123°30.136W | 200 | 50-0 | Success ✓ |
| 13 | Plankton net | ~~14:15~~ 14:25 | ~~48°38.485 N~~ 48°38.478 N | ~~123°30.081W~~ 123° 30.083W | 200 | 100-52 | Messenger sent too soon, 2nd try. 2nd try a success. ✓<br>1 2 3 4 5 6 7 8 |
| 14 | Niskin Samples | 14:45 | 48°38.536 N | 123°30.097 | 200 | 190 150<br>180 140<br>170 130<br>160 120 | 0 10 20 30 40 50 60 70 -> 190<br>Save Water from bottles 6,7,8. |
| 15 | Niskin Samples | 15:30 | 48°38.440 N | 123°30.114 | 200 | 100 30<br>75 20<br>50 10<br>40 0 | 0, 25, 50, 60, 70, 80, 90, 100.<br>Save Water from bottles 1-4. |

# OCEAN SCIENCES STRICKLAND EVENT LOG

VESSEL: Strickland

Date: July 8, 2008

Collected By: INGRID SORENSEN

Consecutive Stn #: 4

Station Name: S5

Notes: (temperature, wind, barometer, weather, sea-state, etc)
Clear skies, slight wind.

| 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) |
|---|---|---|---|---|---|---|---|
| 16 | CTD | 16:16 | 48° 42.873 N | 123° 27.453 | 68 | 60 | 200807 08_S5.hex. Success. |
| 17 | Zoop. Net. | 16:21 | 48° 42.846 | 123° 27.467 | 68. | 50 | Scor Net - success. July 08 cruise label. |
| 18 | Niskin | 16:31 | 48° 42.871 | 123° 27.282 | 68 | 50 | Depth: 0 5 10 20 30 40 50 bt cast → 10 20 30 40 45 50 → Last cast was not for #1 |
| | | | | | | | |
| | | | | | | | |



CTD

~~Niskin~~ 0 10 20
bt cast.. ~~0~~ 25 35 45 55 65 75

# OCEAN SCIENCES STRICKLAND EVENT LOG

VESSEL: STRICKLAND
DATE: July 8, 08

Collected By: Courtney Dean

Consecutive Stn #: 5
Station Name: S11

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

| 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) |
|---|---|---|---|---|---|---|---|
| 19 | CTD | 17:11 | 48°43.778 | 123°32.561 | 117 | 110 | 20080708_S11.hex |
| 20 | zoop net | 17:20 | 48°43.856 | 123°32.662 | 120 | 50-100 | successful - clear pennate organisms, orange shrimp, long white & black eyes and red spots ✓ |
| 21 | zoop net | 17:30 | 48°43.973 | 123°32.775 | 120 | 0-50 | successful ✓ |
| 22 | Niskin bottles | 17:37 | 48°43.832 | 123°32.635 | 120 | 0, 10, 30, 50 | chlorophyll |
| | | | | | | | |

## Water Chemistry Sampling

University of Victoria

**Cruise: OSM JULY 2008**

Station Name: S3 Date: July 8, 2008 Time: 10:10

Cast #: 1 Event #: 4 Sampler Names: Rowan Fox, Ingrid Sorensen (Last)

| Niskin Bottle | Target Depth (m) | Oxygen Bottle #'s | DIC Bottle# | pH / T °C | NH4 Vial# | NUT (3 tubes) | NO2 | Mn (√ when acid spiked) | | CHL Vial# | Filtered Vol (mL) |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 8 | 100 | X | X | X | A6 | ✓✓✓ | ✓ | ✓ | ✓ | X | |
| 7 | 115 | 073 074 | X | X | A7 | ✓✓✓ | ✓ | ✓ | ✓ | X | |
| 6 | 130 | 075 076 | C-06 | 1-6 7,260 21.3° | A8 | ✓✓✓ | ✓ | ✓ | ✓ | X | |
| 5 | 140 | 077 078 | X | X | A9 | ✓✓✓ | ✓ | ✓ | ✓ | X | |
| 4 | 150 | 079 080 | C-12 | 1-4 7,433 21.2° | A10 | ✓✓✓ | ✓ | ✓ | ✓ | X | |
| 3 | 160 | X | X | X | A11 | ✓✓✓ | ✓ | ✓ | ✓ | X | |
| 2 | 175 | X | X | X | A12 | ✓✓✓ | ✓ | ✓ | ✓ | X | |
| 1 | 210 | X | X | X | A13 | ✓✓✓ | ✓ | ✓ | ✓ | X | |

NOTES:
A9 was spiked w/ 15 mL W.R.

NH4 Spiked with Working Reagent: yes no Time Spiked? 1730

NH4 Stds Vial# 0uM = A01 2.5uM = A02 5uM = A03 7.5uM = A04 10uM= A05 Time spiked? 1730 July 8/08

pg 1

## Water Chemistry Sampling

University of Victoria

**Cruise: OSM JULY 2008**

Station Name: S3 Date: July 8, 2008 Time: ~~10:10~~ 11:10

Cast #: 2 Event #: 5 Sampler Names: Rowan Fox, Ingrid Sorensen

| | Niskin Bottle | Target Depth (m) | Oxygen Bottle #'s | DIC Bottle# | pH / T °C | NH4 Vial# | NUT (3 tubes) | NO2 | Mn (√ when acid spiked) | CHL Vial# | Filtered Vol (mL) |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 5 | 8 | 0 | 081<br>082 | C18 | 2-8 ✓<br>8.350<br>19.8°C | A14 ✓ | ✓✓✓ | ✓ | ✓ ✓ | ✓ | 250.0mL |
| 5 | 7 | 5 | 083<br>084 | X | X | A15 ✓ | ✓✓✓ | ✓ | ✓ ✓ | | 250.0mL |
| 10 | 6 | 10 | 085<br>086 | C-05 | 2-6 ✓<br>8.126<br>17.4°C | A16 ✓ | ✓✓✓ | ✓ | ✓ ✓ | ✓ | 250.0mL |
| 10 | 5 | 20 | 087<br>088 | C-11 | 2-5 ✓<br>8.003<br>17.5°C | A17 ✓ | ✓✓✓ | ✓ | ~ ✓ | | |
| 10 | 4 | 30 | X | X | X | A18 ✓ | ✓✓✓ | ✓ | ✓ ✓ | ✓ | 250.0mL |
| 10 | 3 | 40 | 089<br>091 | C-17 | 2-3 ✓<br>7.829<br>16.1° | A19 ✓ | ✓✓✓ | ✓ | ✓ ✓ | | |
| 25 | 2 | 50 | X | X | X | A20 ✓ | ✓✓✓ | ✓ | ✓ ✓ | ✓ | 250.0mL |
| 0 | 1 | 75 | 092<br>093 | C-04 | 2-1 ✓<br>7.605<br>16.0° | A21 ✓ | ✓✓✓ | ✓ | ✓ ✓ | | |

NOTES:

NH4 Spiked with Working Reagent (yes) no Time Spiked? 1730

NH4 Stds Vial# 0uM = ~~A01~~ 2.5uM = ~~A02~~ 5uM = ~~A03~~ 7.5uM = ~~A04~~ 10uM = ~~A05~~ Time spiked? 1730

**Water Chemistry Sampling** **Cruise: OSM JULY 2008**

University of Victoria

Station Name: S2 Date: 8 Jul 08 Time: 1224

Cast #: 1 Event #: 9 Sampler Names: Alex / Thomas

| Niskin Bottle | Target Depth (m) | Oxygen Bottle #'s | DIC Bottle# | pH / T °C | NH4 Vial# | NUT (3 tubes) | NO2 | Mn (√ when acid spiked) | | CHL Vial# | Filtered Vol (mL) |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 8 | 90 | 094 095 | C10 | 1-8 7.467 7.9 | A22 ✓ | ✓✓✓ | ✓ | ✓ | ✓ | X | |
| 7 | 105 | X | X | X | A23 ✓ | ✓✓✓ | ✓ | ✓ | ✓ | X | |
| 6 | 125 | 096 049 | X | X | A24 ✓ | ✓✓✓ | ✓ | ✓ | ✓ | X | |
| 5 | 135 | 050 051 | C16 | 1-5 7.452 18.8 | A25 ✓ | ✓✓✓ | ✓ | ✓ | ✓ | X | |
| 4 | 145 | 052 053 | X | X | A26 ✓ | ✓✓ | ✓ | ✓ | ✓ | X | |
| 3 | 155 | 054 055 | X | X | A27 ✓ | ✓✓✓ | ✓✓✓ | ✓ | ✓ | X | |
| 2 | 175 | X | † | X | A28 ✓ | ✓✓✓ | ✓ | ✓ | ✓ | X | |
| 1 | 205 | X | † | X | A29 ✓ | ✓✓✓ | ✓ | ✓ | ✓ | X | |

NOTES: A26 spiked w/ 20mL WR.

NH4 Spiked with Working Reagent: yes no Time Spiked? 1730.

NH4 Stds Vial# 0uM = A36 2.5uM = A37 5uM = A38 7.5uM = A39 10uM = A40. Time spiked? 1730

**Water Chemistry Sampling** **Cruise: OSM JULY 2008**

University of Victoria

Station Name: S2 Date: 8JUL08 Time: 1305

Cast #: 2 Event #: 10 Sampler Names: Alex Thomas

| Niskin Bottle | Target Depth (m) | Oxygen Bottle #'s | DIC Bottle# | pH / T °C | NH4 Vial# | NUT (3 tubes) | NO2 | Mn (√ when acid spiked) | | CHL Vial# | Filtered Vol (mL) |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 8 | 0 | 056 057 | C-15 | 2-8 ✓ 8.282 17.6° | A30 ✓ | ✓✓✓ | ✓ | ✓ | ✓ | • ✓ | 250.0mL |
| 7 | 5 | 058 059 | X | X | A31 ✓ | ✓✓✓ | ✓ | ✓ | ✓ | X | |
| 6 | 10 | 060 061 | C-09 | 2-6 ✓ 8.066 16.1 | A32 ✓ | ✓✓✓ | ✓ | ✓ | ✓ | • ✓ | 250.0mL |
| 5 | 20 | 062 063 | C-03 | 2-5 ✓ 7.966 15.7 | A33 ✓ | ✓✓✓ | ✓ | ✓ | ✓ | X | |
| 4 | 30 | X | X | X | A34 ✓ | ✓✓✓ | ✓ | ✓ | ✓ | • ✓ | 250.0mL |
| 3 | 40 | 064 065 | X | X | A35 ✓ | ✓✓✓ | ✓ | E | ✓ | X | |
| 2 | 50 | X | C-14 | 2-2 ✓ 7.766 15.12 | A41 ✓ | ✓✓✓ | ✓ | ✓ | ✓ | • ✓ | 250.0mL |
| 1 | 75 | 066 067 | C-08 | 2-1 ✓ 7.467 14.7 | A42 ✓ | ✓✓✓ | ✓ | ✓ | ✓ | X | |

NOTES:

NH4 Spiked with Working Reagent: (yes) no Time Spiked? 1730

NH4 Stds Vial# 0uM = ~~A36~~ 2.5uM = ~~A37~~ 5uM = A38 7.5uM = ~~A39~~ 10uM= A40 Time spiked? 1730

**Water Chemistry Sampling**

University of Victoria

**Cruise: OSM JULY 2008**

Station Name: S4 Date: July 8/08 Time: 1445

Cast #: 1 Event #: 14 Sampler Names: Dusty/Courtney/Karen

| Niskin Bottle | Target Depth (m) | Oxygen Bottle #'s | DIC Bottle# | pH / T °C | NH4 Vial# | NUT (3 tubes) | NO2 | Mn (√ when acid spiked) | CHL Vial# | Filtered Vol (mL) |
|---|---|---|---|---|---|---|---|---|---|---|
| 8 | 120 | X | X | X | A48 ✓ | ✓✓✓ | ✓ | ✓ ✓ | | |
| 7 | 130 | X | X | X | A49 | ✓✓✓ | ✓ | ✓ ✓ | | |
| 6 | 140 | 068<br>069 | X | X | A50 ✓ | ✓✓ | ✓ | ✓ ✓ | | |
| 5 | 150 | X | X | X | A51 ✓ | ✓✓✓ | ✓ | ✓ ✓ | | |
| 4 | 160 | 071<br>072 | C-24 | 7.371 ✓<br>19.6 | A52 ✓ | ✓✓ | ✓ | ✓ ✓ | | |
| 3 | 170 | 121<br>122 | X | X | A53 ✓ | ✓✓ | ✓ | ✓ ✓ | | |
| 2 | 180 | X | X | X | A54 ✓ | ✓✓ | ✓ | ✓ ✓ | | |
| 1 | 190 | X | X | X | A55 ✓ | ✓✓ | ✓ | ✓ ✓ | | |

NOTES:

Niskin 4: DIC sampled before $O_2$ + slight wait before $O_2$ was sampled.

Mn @ 140m acid pipet tip ejected into sample

NH4 Spiked with Working Reagent: (yes) no Time Spiked? 1730

NH4 Stds Vial# 0uM =A43 2.5uM =A44 5uM =A45 7.5uM =A46 10uM= A47

A51 splashed slightly when ejected w/ NH4. Time spiked? 1730

**Water Chemistry Sampling** **Cruise: OSM JULY 2008**

University of Victoria

Station Name: S4 Date: July 8/08 Time: 1530

Cast #: 2 Event #: 15 Sampler Names: Dusty / Courtney / Karen "the A team"

pH / T

| Niskin Bottle | Target Depth (m) | Oxygen Bottle #'s | DIC Bottle# | pH / T °C | NH4 Vial# | NUT (3 tubes) | NO2 | Mn (√ when acid spiked) | CHL Vial# | Filtered Vol (mL) | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 8 | 0 | 123<br>124 | C-30 | 2-8 ✓ | A56 ✓ | ✓✓✓ | ✓ | ✓ ✓ | ✓ | 251 | 8.497<br>18.7°C |
| 7 | 10 | 125<br>126 | C-36 | 2-7 ✓ | A57 ✓ | ✓✓✓ | ✓ | ✓ ✓ | ✓ | 251 | 7.958<br>16.4°C |
| 6 | 20 | 127<br>128 | C-23 | 2-6 ✓ | A58 ✓ | ✓✓ | ✓ | ✓ ✓ | X | X | 7.892<br>15.0°C |
| 5 | 30 | 129<br>130 | C-29 | 2-5 ✓ | A59 ✓ | ✓✓ | ✓ | ✓ ✓ | ✓ | 250 | 7.937<br>15.1°C |
| 4 | 40 | X | X | X | A60 ✓ | ✓✓✓ | ✓ | ✓ ✓ | X | X | |
| 3 | 50 | 131<br>132 | C-35 | 2-3 ✓ | A61 ✓ | ✓✓ | ✓ | ✓ ✓ | ✓ | 251 | 7.886<br>15.1°C |
| 2 | 75 | 022<br>026 | X | 2X2 | A62 ✓ | ✓✓ | ✓ | ✓ ✓ | X | X | |
| 1 | 100 | 027<br>028 | C-22 | 2-1 | A63 ✓ | ✓✓ | ✓ | ✓ | X | X | 7.620<br>13.1°C |

NOTES:

NH4 Spiked with Working Reagent: (yes) no Time Spiked? 1730

NH4 Stds Vial# 0uM = A43 2.5uM = A44 5uM = A45 7.5uM = A46 10uM = A47 Time spiked? 1730

**Water Chemistry Sampling**
University of Victoria

**Cruise: OSM JULY 2008**

Station Name: SS Date: JUL 8/08 Time: 1631

Cast #: 1 Event #: 18 Sampler Names: SARAH

| Niskin Bottle | Target Depth (m) | Oxygen Bottle #'s | DIC Bottle# | pH / T °C | NH4 Vial# | NUT (3 tubes) | NO2 | Mn (√ when acid spiked) | CHL Vial# | Filtered Vol (mL) |
|---|---|---|---|---|---|---|---|---|---|---|
| 1 8 | X | X | X | X | X | X | X | X | X | X |
| 8 7 | 0 | 032 035 | C-28 | 1-8 16.7°C 8.274 | A69 ✓ | ✓✓ | ✓ | ✓ ✓ | ✓ | 250 |
| 7 6 | 5 | 036 037 | C-34 | 1-7 15.5°C 7.967 | A70 ✓ | ✓✓ | ✓ | ✓ ✓ | X | X |
| 6 5 | 10 | 039 038 | C-21 | 1-6 15.1°C 7.890 | A71 ✓ | ✓✓ | ✓ | ✓ ✓ | ✓ | 250 |
| 5 4 | 20 | 040 041 | C-27 | 1-5 15.5°C 7.908 | A72 ✓ | ✓✓ | ✓ | ✓ ✓ | X | X |
| 4 3 | 30 | 097 098 | X | X | A73 ✓ | ✓✓ | ✓ | ✓ ✓ | ✓ | 250 |
| 3 2 | 40 | 099 100 | C-33 | 1-3 14.9°C 7.932 | A 74 ✓ | ✓✓ | ✓ | ✓ ✓ | X | X |
| 2 1 | 50 | 101 102 | C-20 | 1-2 15.3°C 7.865 | A 75 | ✓✓ | ✓ | ✓ ✓ | ✓ | 250 |

NOTES:

NH4 Spiked with Working Reagent (yes) no Time Spiked? 1730

NH4 Stds Vial# 0uM = A64 2.5uM = A65 5uM = A66 7.5uM = A67 10uM = A68 Time spiked? 1730