

201610

OCEAN SCIENCES STRICKLAND CTD LOG

EOS 314 Oct 5, 2016

DATE (dd-mm)	TIME (local)	LAT. (N)	LONG. (W)	STN NAME	BOTTOM DEPTH (m)	CAST DEPTH (m)	CTD File Name
05-Oct	0918	48.7178	123.253	A1	251	246	20161005-A1
5 Oct	0948	48.72114	123.25882	A1.5	200	196	20161005-A15
	1021	48.73798	123.28733	A2	163	160	20161005-A2
	1043	48.75299	123.30609	S6	148	144	20161005-S6
	1105	48.7637	123.3284	A3	83	75	20161005-A3
	1117	48.7674	123.3470	A4	62	59	20161005-A4
	1131	48.7596	123.3717	A5	96	91	20161005-A5
	1148	48.7426	123.3927	S8	85	81	20161005-S8
	1207	48.7283	123.4203	S5.5	65	61	20161005-S55
	1231	48.7159	123.4987	S5	117	112	20161005-S5
	1246	48.7069	123.4743	S12.5	79	77	20161005-S125
→	1310	48.7167	123.5210	S16	72	69	20161005-S16

* all casts using Surveyor CTD

OCEAN SCIENCES STRICKLAND CTD LOG

DATE (dd-mm)	TIME (local)	LAT. (N)	LONG. (W)	STN NAME	BOTTOM DEPTH (m)	CAST DEPTH (m)	CTD File Name
5-oct	13:31	48.6908	123.5	S12	84	82	20161005-S12
	1344	48.6797	123.501	S475	108	106	20161005-S475
	1358	48.6695	123.502	S4.5	163	160	20161005-S45
	1416	48.6587	123.501	S425	178	176	20161005-S425
↓	1436	48.6410	123.5	S4	195	191	20161005-S4
		all conducted with Juniper CTD					

UVIC OCEAN SCIENCES STRICKLAND EVENT LOG

Justin, Megan, Steve

VESSEL: Strickland

Collected By: _____

Date: Oct 5 / 2016

Consecutive Stn #: _____

Station Name: _____

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

Overcast, slight wind, small whitecaps, 11°C

EVENT NUMBER	Station EVENT TYPE	TIME (local, 24h format)	dd.dddd LATITUDE (N) mm.mmm	LONGITUDE (W) (ddd mm.mmm)	BOTTOM DEPTH (m)	CAST DEPTH (m)	NOTES (e.g. CTD file names, bottle depths, flow meter readings, problems, etc)
1	A1	09:18	48.71786	123.25299	251	246	2016 1005 - A1 Strange offset at bottom of cast.
2	A1.5	09:48	start: 48.72062 end: 48.72114	123.25882 123.26020	200	196	2016 1005 - A1.5
			bottles @	196 m 35 m	049c 051c	050E 052C	* deep Oxy sampled from bottle that had already been opened.
3	A2	10:21	start 48.75796 end 48.75795	start 123.28733 end 123.28661	107 (103)	100	2016 1005 - A2
4	S6	10:43	start 48.75299 end 48.75241	123.30609 123.30518	147 (146)	144	2016 1005 - S6

EVENT NUMBER = each "cast" of equipment is given a new number, sequential from the beginning of the cruise.

EVENT TYPE = CTD, NISK, ZOOP, PHYTO, GRAB

Bottom Depth = depth of water

Cast Depth = deepest depth the equipment reaches

UVIC OCEAN SCIENCES STRICKLAND EVENT LOG

VESSEL: Strickland

Date: Oct 5, 2016

Collected By: _____

Consecutive Stn #: _____

Station Name: _____

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

overcast, slight wind, small whitecaps, 11°C

EVENT NUMBER	Station EVENT TYPE	TIME (local, 24h format)	LATITUDE (N) (dd mm.mmm)	LONGITUDE (W) (ddd mm.mmm)	BOTTOM DEPTH (m)	CAST DEPTH (m)	NOTES (e.g. CTD file names, bottle depths, flow meter readings, problems, etc)
5	A3	11:05	start 48.76374 end 48.76281	123.32845 123.32861	84 83	75	2016 1005 - A3
6	A4	11:17 bottle	start 48.76739 end 48.76620	123.34498 123.34603	62	62.59	2016 1005 - A4
7	A5	11:31am	start 48.75966 48.75931	123.37174 123.37164	96.9	91	2016 1005 - A5
			→ bottles @	90m oxygen 30m	053C, 056C, 057C	055C	
8	S8	11:48	48.74260 48.74226	123.39272 123.39253	78 85	87 81	2016 1005 - S8

UVIC OCEAN SCIENCES STRICKLAND EVENT LOG

VESSEL: Strickland

Date: Oct 5 2016

Collected By: _____

Consecutive Stn #: _____

Station Name: _____

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

12°C, partly cloudy, light breeze, calm seas.

EVENT NUMBER	Station EVENT TYPE	TIME (local, 24h format)	LATITUDE (N) (dd mm.mmm)	LONGITUDE (W) (ddd mm.mmm)	BOTTOM DEPTH (m)	CAST DEPTH (m)	NOTES (e.g. CTD file names, bottle depths, flow meter readings, problems, etc)
9	S5.5	12:07pm	Start 48.72835 End 48.72815	123.42030 123.42024	65	40 61	20161005 - S5.5
10	S5	12:31	Start 48.71594 End 48.71624	123.45986 123.45872	120 123 117	112	20161005 - S5
11	S12.5	12:46	S 48.70690 E 48.70756°	S 123.47433° E 123.47174°	83 80 79.5	77	20161005 - S12.5
12	S16	13:10	S 48.71675 E 48.71699	S 123.52101 E 123.52031	72 73 72	69	20161005 - S16 2 Bottles @ 69m 2 Bottles @ 25m
			↳ bottles oxygen:		69m 25m		→ 058C, 059C → 061C, 060E ↳ bubbles?

OCEAN SCIENCES STRICKLAND EVENT LOG

VESSEL: Strickland

Date: Oct 15, 2016

Collected By: _____

Consecutive Stn #: _____

Station Name: _____

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

~13°C, light wind, partly cloudy, small waves (~10cm)

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)
13	S12	13:31	S 48.69078 E 48.69063	S 173.49998 E 123.49981	85 84	82	20161005-S12
14	S4.75	13:44	48.67979 → end 48.68012 → start	123.50121 → end 123.50133 → start	108	106	20161005-S4.75
15	S4.5	13:58	start → 48.66953 end → 48.66904	start → 123.50166 end → 123.50149	163	160	20161005-S4.5
16	S4.25	14:16	start → 48.65874 end → 48.65792	start → 123.50149 end → 123.50093	178	176	20161005-S4.25
17	S4	14:36	start → 48.64105 end → 48.64021	start → 123.49977 end → 123.49982	195	191	20161005-S4

Chlorinity Log Sheet

Cruise ID: 20610

Date: Oct. 5, 2016

AgNO₃ molarity: 0.2184 M 500mL

Station	Depth	vol sample (mL)	sample density	initial buret (mL)	final buret (mL)	vol AgNO ₃	Chlorinity of Sample (ppt)
A1.5	196m	5.0	1.025	0.3	12.05	11.75	17.76
A1.5	196m	5.0	-	1.3	12.90	11.60	
A1.5	35m	5.0	-	1.2	12.10	10.90	
A1.5	35m	5.0	-	8.8	20.0	11.2	
A5	91m	5.0	-	4.5	16.1	11.6	
A5	91m	5.0	-	2.1	13.6	11.5	
A5	30m	5.0	-	4.4	14.6	10.2	
A5	30m	5.0	-	5.3	15.9	10.6	
S16	69m	5.0	-	4.5	15.7	11.2	34.98
S16	69m	5.0	-	3.75	14.95	11.2	34.98
S16	25m	5.0	-	3.95	14.8	10.85	33.89
S16	26m	5.0	-	4.4	15.3	10.9	33.24

Subst.