

2009-20 Underway Loop Sampling Log

2009

1:00 13:00
5:00 17:00
9:00 21:00

0300 1500
0700 1900
1100 2300

2300
0300
0700
1100
1500

UTC Date	Time	Latitude (N)	Longitude (W)	Sample #	Oxy Flask #	CDOM	POC	DIC	C13-DIC	O18	Chl-a	SAL	Ba	Notes
20/09/09	12:12			VW-1			4LXX	X	XX	XX		X		just coming on st
"	12:31			VW-2			4L-XX							ship stopped when sampling
20/09/09	21:14	71° 53.875	132° 9.158	VW-3	1023									was oxy loop 1
21/09/09	00:45	72° 6.363	133° 53.491	VW-4	1443									was oxy loop 2
"	01:09	72° 6.864	133° 53.355	VW-5			XX	X	XX	X	X	X		CB 316
"	07:43	71° 20.005	133° 52.752	VW-6		X						X		
"	09:00	70° 59.627	133° 43.808	VW-7		X						X		
22/09/09	00:10	70° 23.67	133° 43.18	VW-8		5.03193								left Tule cleaned optode
21/09/09	23:50	70° 18.689	133° 43.921	VW-9			XX							test + flushed cdom
22/09/09	00:26	70° 27.582	133° 43.864	VW-10			XX							test + fluor
22/09/09	02:05	70° 52.44	133° 44.28	VW-11	1443	X								
22/09/09	04:54	71° 32.25	134° 13.81	VW-12	1358									
22/09/09	08:59	72° 06.11	135° 01.08	VW-13		X								
22/09/09	12:51	72° 30.49	135° 29.131	VW-14		X						X		
22/09/09	15:37	72° 50.911	135° 56.363	VW-15	1451		XX	X	XX	X		X		11min for POC etc
22/09/09	16:55	72° 52.134	136° 0.152	VW-16		X								
22/09/09	19:59	72° 51.653	136° 2.958	VW-17							X			ON STATION clock
22/09/09	21:20	72° 53.358	136° 11.496	VW-18		X								20min off stn
22/09/09	22:49	73° 6.157	136° 54.907	VW-19	1360									N2
23/09/09	00:00	73° 19.337	137° 33.996	VW-20	1150									N2
23/09/09	00:41	73° 26.416	137° 67.656	VW-21			XX	X	XX	X	X	X	X	NUTS too!
23/09/09	04:05	73° 26.17	138° 6.50	VW-22		.67235								
23/09/09	08:54	73° 03.34	139° 44.92	VW-23		.62717								
23/09/09	09:12	73° 1.756	139° 51.836	VW-24			XX	X	XX	X	X	X	X	NUTS
23/09/09	11:49	73° 0.292	139° 56.081	VW-25			XX							ON STN!
23/09/09	15:40	72° 40.609	140° 0.828	VW-26	1233									
23/09/09	16:08	72° 35.173	139° 58.800	VW-27			XX	X	XX	X		X	X	20min off stn (NUTS)
23/09/09	19:03	72° 31.621	140° 4.324	VW-28	1375									
23/09/09	21:00	72° 33.112	140° 37.217	VW-29	1429	X								
24/09/09	02:56	72° 36.92	142° 37.46	VW-30		X								
24/09/09	08:08	72° 39.886	144° 42.00	VW-31			XX	X	XX	X	XX	X	X	+NUTS

20 min off stn

↑ entered electronically
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24/09	1416	72 31.237	143 59.335	UW-32	1429									
24/09	17:24	72 26.58	142 58.63	UW-33		0.378								
11 "	1834	72 15.072	142 18.832	UW-34	1454									
24/09	2217	72 1.250	140 8.537	UW35			XX	X	XX	X	X	X	X	NUTS x2
25/09	0173	71 58.884	140 3.116	UW36	1375									
25/09	0445	71 30.154	138 53.182	UW37		.46129								
25/09	0855	71 10.53	135 40.17	UW38		.92850								
25/09	1305	70 25.57	133 40.83	UW-39		4.422								
25/09	1441	69 58.658	133 22.751	UW-40	1340									
26/09	2005	70 4.238	135 6.707	UW-41	575									
26/09	2021	70 3.973	135 18.928	UW-42	1495									
26/09	2106	70 3.350	135 51.696	UW-43		6.00324								
26/09	2144	70 3.164	136 18.770	UW-44	1452									
26/09	2327	70 1.991	137 33.587	UW-45	1375									
27/09	0056	70 1.019	138 39.018	UW-46	1434									
27/09	06:42	70 29.130	140 0.324	UW47			XX	X	XX	X	X	X	X	NUTS
27/09	09:42	70 55.542	140 0.524	UW48			XX	X	XX	X	X	X	X	NUTS
27/09	1511	71 8.796	142 29.612	UW49	1447									
27/09	1532	71 6.348	142 43.838	UW50	1328									
27/09	1947	71 11.317	144 35.708	UW51	1446									
27/09	2053	71 11.920	145 26.730	UW52		1.55330								
28/09	1:11	71 25.002	148 44.879	UW53		1.23706								
28/09	04:08	71 37.3	151 00.00	UW54			XX	X	XX	X	X	X	X	NUTS
28/09	14:57	71 54.919	150 19.214	UW55			XX	X	XX	X	X	X	X	NUTS
28/09	1921	72 8.708	150 10.903	UW56	1343									
28/09	2045	72 27.527	150 0.710	UW57	1216									
28/09	2223	72 33.898	150 4.094	UW58	1231									
29/09	0526	73 12.649	150 0.637	UW60		0.76270								
29/09	09:02	73 51.521	149 58.319	UW61		1.14671								
29/09	09:47	73 55.164	149 58.722	UW62			XX	X	XX	X	X	X	X	NUTS
29/09	1617	74 55.987	150 0.053	UW63	1422									

entirely electronically ✓

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mg/m³

UTC Date	Time	Latitude (N)	Longitude (W)	Sample #	Oxy Flask #	CDOM	POC	DIC	C13-DIC	O18	Chl-a	SAL	Ba	Notes
30 Sept	0114	75 03.14	149 59.542	UW64		0.40129								
30 Sept	0458	75 13.074	152 23.813	UW65		1.07897								
30 Sept	0540	75 16.822	153 3.314	UW67			XX	X	XX	X	X	X	X	NUTS
30 Sept	1200	75 1.211	150 13.33	UW68			XX	X	XX	X	X	X	X	NUTS
30/09	1754	74 59.993	150 0.010	UW69	1343									CB4 morning dep!
30/09	2101	75 0.000	149 59.964	UW70		0.49164								
1/10	1:09	75 45.276	149 59.293	UW71		0.55940								
1/10	01:57	75 54.223	149 59.839	UW72			XX	X	XX	X	X	X	X	NUTS
1/10	09:01	76 41.91	150 0.319	UW74		0.40129								
1/10	09:28	76 53.981	150 1.051	UW73			XX	X	XX	X	X	X	X	NUTS
1/10	16:35	77 55.348	150 0.151	UW75			XX	X	XX	X	X	X	X	NUTS
1/10	1915	77 59.813	150 4.296	UW76	1216									
1/10	2045	77 59.796	150 4.391	UW77	1443									on station
2/10	0030	77 59.434	150 7.079	UW78	1224									CB 9 morning
2/10	0853	78 21.218	152 36.824	UW79	EDMUND	0.3787								
2/10	0928	78 20.749	152 53.773	UW80		0.3787	XX	X	XX	X		X		No Ba
2/10	1522	78 20.059	153 50.076	UW81		0.3787								
2/10	1523	78 20.059	153 50.076	UW82	1136									
2/10	2017	78 31.081	154 7.148	UW83			XX	X	XX	X	X	X	X	NUTS
2/10	2036	78 35.222	154 10.043	UW84	1356									
3/10	0628	78 48.28	154 18.014	UW85			XX	X	XX	X	X	X	X	NUTS
3/10	1257	79 57.396	153 7.445	UW86		0.42387								Pump does not work properly
3/10	2200	80 18.980	151 57.191	UW87	1422									- @ 1TP
4/10	0306	80 19.385	151 46.135	UW88			XX	X	XX	X	X	X	X	NUTS
4/10	0500	80 8.233	151 45.270	UW89		0.42387								
04/10	0837	79 37.85	151 14.094	UW90		0.40129								
04/10	1300	79 8.25	150 44.344	UW91		0.42387								
04/10	2025	79 0.139	150 17.813	UW92			XX	X	XX	X	X	X	X	NUTS
04/10	2107	79 54.760	149 55.832	UW93		0.37870								
04/10	2137	78 50.340	149 40.258	UW94	1352									
05/10	0506	77 51.761	146 4.926	UW95		0.37870								

↑ entered until here

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UTC Date	Time	Latitude (N)	Longitude (W)	Sample #	Oxy Flask #	CDOM	POC	DIC	C13-DIC	O18	Chl-a	SAL	Ba	Notes
06/05	0651	77 34.564	145 11.461	UW96			XX	X	XX	Y	X	Y	X	NOTS
06/05	1247	77 49.234	146 31.709	UW97		0.3561								
06/05	17:02	77 59.916	149 59.933	UW98		0.3787								
06/10	0001	77 59.696	149 15.000	UW99	1381									
06/10	0504	77 58.872	144 55.544	UW100		0.40127								
06/10	09:00	77 59.316	142 35.915	UW101		0.42387								
06/10	01:05	77 59.851	140 7.445	UW102		0.46905	XX	X	XX	X	X	X		
07/10	0015	77 49.452	140 6.433	UW103	1434		XX	X	XX	X	XX	XX		- during CB16 cont
07/10	0202	77 49.26	140 6.658	UW104			XX	X	X	X	X	X		NOTS
07/10	0522	77 34.745	138 25.339	UW105		0.49164								
07/10	08:00	77 21.890	137 10.043	UW106	1493									
07/10	09:16	77 15.626	136 42.19	UW107	1422	0.46905								
07/10	10:02	77 17.835	136 18.007	UW108	1352									
07/10	1043	77 11.278	135 56.886	UW109	1448									
07/10	1110	77 14.504	135 38.933	UW110		0.5142	XX	X	X	X	X	X	X	
08/10	0226	77 4.920	135 33.142	UW111			XX							
08/10	0525	77 10.290	136 59.419	UW112		0.49164								
08/10	07:59	77 6.593	138 24.443	UW113	1356									
08/10	09:00	77 4.738	138 55.615	UW114	1418	0.42387								
08/10	10:00	77 1.949	139 30.703	UW115	575									
08/10	10:10	77 0.685	139 45.691	UW116		0.42587	XX	XX	XX	X	X	X	X	
08/10	20:14	76 27.81	139 58.06	UW117										
08/10	2120	76 13.519	139 58.684	UW118	1192									
08/10	2157	76 4.279	140 0.412	UW119			XX	X	XX	X	X	X	X	NOTS
09/10	0507	75 22.078	140 8.033	UW120		0.33352								
09/10	0647	75 1.443	140 1.318	UW121			XX	X	XX	X	X	X	X	NOTS
09/10	1025	74 6.715	140 5.443	UW122	1150/1426									
09/10	1656	74 2.830	140 3.139	UW123			XX	X	XX	X	X	X	X	RAVING
09/10	16:58	74 0.932	140 0.850	UW124										
10/10	0019	74 0.060	139 34.573	UW125	1150									
10/10	0130	74 9.670	138 59.316	UW126		0.46905								

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Entered electronically (m)

UTC Date	Time	Latitude (N)	Longitude (W)	Sample #	Oxy Flask #	CDOM	POC	DIC	C13-DIC	O18	Chl-a	SAL	Ba	Notes
10 Oct	05:17	74 19.039	137 24.662	UW127		0.51428								
10 Oct	07:06	74 23.73	136 34.002	UW128	1375									
10 Oct	08:04	74 26.72	136 31.060	UW129	1493									
10 Oct	09:00	74 28.918	136 7.988	UW-130	1446	0.51423								
10 Oct	10:30	74 30.186	135 31.420	UW-131		0.516905	X X	X	X X	X	X	X	X	NUTS
10 Oct	21:38	74 35.263	134 45.991	UW132	1352									
10 Oct	22:03	74 35.515	134 46.189	UW133			X X	X	X X	X	X	X	X	NUTS on station CB40 ITP
11 Oct	02:59	74 22.901	136 16.352	UW134	1194									NUTS
11 Oct	04:59	74 17.548	136 54.352	UW135		0.46905								
11 Oct	09:07	74 8.477	138 47.303	UW136	1429	0.42387								
11 Oct	10:04	74 5.12	139 15.43	UW137	1221									
11 Oct	11:11	74 1.595	139 46.866	UW138	1430	0.35611								
11 Oct	17:06	73 59.978	139 59.489	UW139		0.37810								
12 Oct	1:22	74 7.122	140 59.020	UW140		0.26575								
12 Oct	05:04	74 20.533	143 16.514	UW141	← Kristina's		X X	X	X X	X	X	X	X	
12 Oct	11:04	74 16.249	142 15.280	UW142	1418									
12 Oct	11:50	74 18.471	144 49.357	UW143	1426									
12 Oct	13:58	74 10.528	140 52.096	UW144	1427									
12 Oct	15:46	74 1.145	140 4.056	UW145	1428		X X	X	X X	X	X	X	X	NUTS
12 Oct	17:00	73 58.877	140 0.850	UW146		0.35611								
13 Oct	01:10	73 39.882	138 30.271	UW147	1382/1331									
13 Oct	01:17	73 39.503	138 28.117	UW148		0.40129								#1331 in fridge!
13 Oct	05:00	73 30.958	137 53.037	UW149			X X	X	X X	X	X	X	X	NUTS
13 Oct	09:13	73 26.991	136 53.063	UW150		0.4238								
13 Oct	21:13	71 52.909	133 53.279	UW151		0.31093								
13 Oct	16:20 local	71 49.072	131 49.41	UW152			X X	X	X X	X	X	X	X	NUTS last taken from Toga