

2010-07 Underway Loop Sampling Log

12-18-24

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UTC Date (MM/DD)	Time (UT)	Latitude (N)	Longitude (W)	Sample # Loop	Oxy Flask # (1/day)	CDOM (Every 6hrs)	Chl-a (2/day)	SAL (2/day)	Notes
09-16	0508	68.1241	114 34.429	loop 1		✓			underway from 1200 to 1400 hrs
09-16	2221	70.1838	121 42.75	loop 2		✓			
09-17	0250	70.38152	123 29.483	loop 3	834				
↓	↓	↓	↓	loop 4	843				
09-17	0330	70 41.98	123 52.97	5		✓		✓	CDOM not put in cooler tank
09-17	0640	71 3.416	126 37.57	7		✓			0630
09-17	2341	71 57.305	134 07.884	loop 8			✓		
09-18	0156	71 22.821	134 19.296	loop 9	1346				
09-18	0658	70 55.30	138 46.96	10		✓		✓	
09-18	0818	70 44.155	133 46.710	11			✓		2L, Fluor @ 0.556 ng/m ³ , 7/8
09-18	1235	70 08.49	133 36.344	12		✓			
09-19	0640	71 0.684	133 48.635	13	1346				
09-19	0621	71 02.191	133 56.620	14			✓		12, Fluor @ 0.436 ng/m ³
09-19	0656	70 59.32	133 52.30	15		✓			
09-19	1246	70 06.40	133 33.89	16		✓			River water
09-19	12	70 05.653	133 32.006	17				✓	← without time.

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Loop #

Loop #

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UTC Date 2010	Time (hh:mm:ss)	Latitude (N)	Longitude (W)	Sample #	Oxy Flask # (1/day)	CDOM (Every 6hrs)	Chl-a (2/day)	SAL (2/day)	Notes
19/09/2010	1851:07	70 58.78	133 46.74	18		✓			
19/09/2010	19:26:29	71 2.288	134 0.184	19	1430				
20/09	00:19:29	70 46.276	137 29.119	21			✓		
"	00:21:24	"	"	21				✓	
"	06:22:39	"	"	22					
20/09	01:03:24	70 40.800	137 59.576	23	834		✓		
20/09	04:56:21	70 17.372	140 1.633	24					
	12:49:30	0 212	09:046	25		✓			mark scan 1
"	03:53:54	71 14.664	140 1.162	26	1249				
21/09	00:36:34	71 25.75	146 0.53	27		✓		✓	
"	00:57:35	"	"	28		✓			
20/09	03:50	71 34.472	140 07.250	29	425		✓		
21/09	04:52:49	71 20.616	140 1.919	30		✓			
21/09	15:29:34	71 52.1	139 57.9	31				✓	
21/09	15:30:20	71 52.3	135 58.0	32	804				
21/09	21:04:12	72 24.008	140 33.310	33		✓			
21/09	21:45:04	72 28.076	140 19.924	34		✓		✓	
"	21:45:42	"	"	35	1309				
08/09	08:32:42	72 32.566	140 1.562	36		✓			
"	02:44:57	72 42.866	139 50.825	37	439				
09/09	04:37:32	72 43.727	139 54.086	38			✓		
20/09	10:32:02	73 10.732	139 9.343	39		✓			
22/09	10:44:10	73 11.4	139 04.6	40				✓	mark scan 1
22/09	12:22:24	73 23.674	138 24.90	41	885				
22/09	20:26:26	72 56.076	136 85.367	42		✓			
23/09	01:46:31	73 2.988	135 21.46	43				✓	
"	01:47:26	"	"	44	439				
"	02:53:21			45			✓		
"	12:48:16	73 26.752	133 33.319	46		✓			
"	13:45:41	73 27.8	133 01.0	47				✓	Mark Scan 1
"	13:46:16	73 27.8	133 00.5	47					

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UTC Date dd mm yy	Time (hh:mm:ss)	Latitude (N)	Longitude (W)	Sample #	Oxy Flask # (1/day)	CDOM (Every 6hrs)	Chl-a (2/day)	SAL (2/day)	Notes
23 09	001311	73 13.937	130 36.814	48	834				
24 09	002101	73 43.034	131 25.932	49	805				
"	003221	72 41.58	131 27.868	50		✓			
"	003311	"	"	51				✓	
	004421			52		✓			no gloves, 00/05.
"	122135	70 10.001	133 39.43	53			✓		1L, filter @ 0.631 mg/m ³
==									
26 09	021034	70 14.302	133 44.447	54		✓		✓	
"	021119	"	"	55				✓	
"	025958	71 18.474	135 41.863	56			✓		2L, filter @ 0.579 → filters green
"	081550	71 20.3	135 52.7	57		✓			
"	155910	71 49.5	139 55.4	58		✓			
26-09	210323	72 24.70	142 09.8	59		✓			
"	210516			60				✓	
27 09	024138	72 38.764	145 55.031	61			✓		1L filter @ 0.541
	123605	72 31.0	149 44.6	62		✓			
	173915			63		✓			
	173950	72 49.1	149 59.5	64				✓	
27 09	024748	73 8.166	149 59.810	65	434				
28 09	001007	73 28.6	149 59.6	66		✓			
28 09	001132			67				✓	
28 09	004628	73 36.715	149 54.778	68			✓		1L filter @ 0.451
28/09	010743	73 48.076	150 0.374	69	439		✓		1L filter @ 0.474
	070418	74 17.241	149 59.575	70			✓		
	072030	74 21.2	150 00.3	71		✓			
	122855	75 00.1	150 00.9	72		✓			Mossing A
28/09	193015	75 00.1	150 01.0	73				✓	
29/09	003043	75 7.076	151 15.283	74	1295				
29/09	010432	75 09.06	151 40.48	75		✓			
"	010544	"	"	76				✓	
29/09	072009	75 25.44	154 35.55	77		✓			

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UTC Date (dd-mm)	Time (hh:mm:ss)	Latitude (N)	Longitude (W)	Sample #	Oxy Flask # (1/day)	CDOM (Every 6hrs)	Chl-a (2/day)	SAL (2/day)	Notes
2010-07	23:03:53	75° 33' 34"	149° 56' 34"	79	805				
2010-07	23:22:03	75° 51' 14"	149° 56' 34"	78		✓			
"	23:22:53	"	"	80				✓	
30-09	02:41:58	75° 52' 36.2"	149° 46' 86.5"	81		✓			
"	02:45:33	76° 00' 33"	150° 02' 28"	82			✓		1L fluor = 0.489
30-09	11:01:50	76° 27.2"	150° 01.5"	83		✓			
30-09	10:21:28	77° 16.58"	150° 31' 150"	84					
	19:22:48	77° 16.800"	150° 31' 150"	85				✓	
30-09	20:21:23	77° 27' 09.4"	150° 57' 28.7"	86	1452				
30-09	21:53:13	77° 41' 9.22"	151° 36' 09.4"	87	439				
30-09	23:06:28	77° 50' 16.2"	151° 56' 05.0"	88		✓			
1-10	09:15:16	78° 01' 45"	152° 58' 47"	89		✓			
	09:16:20	78° 08' 18"	152° 58' 00"	90				✓	
01-10	23:16:28	78° 15' 42.4"	150° 36' 155"	91		✓			
01-10	23:17:13	"	"	92				✓	
01-10	05:33:58	78° 45' 25.7"	152° 58' 24.7"	93		✓			
01-10	05:35:08	78° 45' 47"	152° 58' 48"	94	805				
02-10	06:21:48	78° 55' 19.88"	153° 11' 29.2"	95	1452				
03-10	04:49:50	79° 45' 34"	153° 29' 36"	95		✓			System not logging
	04:51:52	79° 45' 09"	153° 28' 32.5"	96				✓	
3-10	17:13:05	78° 26' 29.3"	150° 49' 9.12"	97			✓		fluor 0.526 1L taken
3-10	19:11:22	78° 09' 17.2"	150° 29' 35.4"	98	1474				
3-10	20:28:45	79° 16' 51"	149° 59' 42.2"	99		✓			
3-10	20:29:52	79° 16' 51"	149° 59' 42.2"	100				✓	
04-10	08:18:31	79° 56' 680"	149° 16' 159"	101		✓			
	08:19:06	56.638	18.750	102				✓	
	09:00:56	77° 55' 810"	148° 48' 618"	103			✓		
04-10	17:51:26	77° 41' 302"	146° 25' 27.2"	104		✓			
	17:52:31	77° 41' 316"	146° 24' 629"	105				✓	
05-10	07:37:31	77° 44' 314"	145° 30' 16.5"	106		✓			

please be sure to label

3 samples taken shortly after a system restart may show mixing effects?

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UTC Date	Time (hh:mm:ss)	Latitude (N)	Longitude (W)	Sample #	Oxy Flask # (1/day)	CDOM (Every 6hrs)	Chl-a (2/day)	SAL (2/day)	Notes
05-10	02:41:06	29 48.640	145 35.308	107				✓	
"	07:01:11	77 53.242	143 21.018			✓			←? 108
06-10	18:24:25	79 48.642	140 13.529	109					
	18:25:51	79 48.442	140 13.998	110				✓	
05-10	20:35:16	77 33.558	140 44.893	111	439				
"	"	"	"	112	1891				
06-10	00:08:46	77 19.984	142 33.869	113	1474				
07-10	03:11:14	76 25.717	139 18.162	114		✓			
07-10	03:13:39	"	"	115				✓	
09-10	03:38:28	75 46.895	135 29.422	116		✓			
09-10	03:39:20	"	"	117				✓	
09-10	03:47:46	75 45.779	135 32.129	118	439				
"	"	"	"	119	1474				
09-10	06:29:38	75 37.912	136 0.119	120		✓			
11-10	06:29:43	74 27.512	144 52.606	121	439				
11-10	06:49:08	74 25.240	144 32.486	122		✓			
"	06:50:18	"	"	123				✓	
"	04:37:48	74 29.938	141 35.606	124		✓			
11-10	06:28:48	73 59.957	140 72.065	125		✓			
	06:30:28	73 59.993	140 76.181	126				✓	
11-10	06:33:43	74 0.070	140 25.010	127	439				(140 25.010)
12-10	03:18:19	74 14.930	137 35.216	128				✓	
12-10	3:19:29	74 15.008	137 34.492	129		✓			
12-10	19:32:43	74 48.349	134 25.18	130		✓			
12-10	19:38:48	49.178	73.948	131				✓	
14-10	00:05:24	73 20.760	127 58.347	132	1346				
14-10	06:19:06	72 29.610	127 21.205	133		✓			
"	06:20:16	"	"	134				✓	

18 Sep 2010 08:43

Loop System Flow Rate

Pump display: 17.26
out 35.0

Time to fill 1L (sec)

O₂ box: 9.46, 10.14, 9.68

TSG: 5.24, 5.25, 5.27

2L jug: 6.54, 5.91, 6.20 (Fluorometers)

System Check Page 1

[illegible]