

Water Properties Group

Rosette Log

Institute of Ocean Sciences, Ocean Sciences Division, Sidney, BC

Cruise ID: 2016-17

Station: NW-1

Event #: 1

Ship: SWL

UTC Date (dd/mm/yyyy): 03 Jul 2016

Niskin #	Sample #	Oxygen Titrations		Rosette Operation		Samples Taken						Comments	
		Flask Serial #	Value ml · L ⁻¹	Target Pressure	Confirmed Pressure	Oxy	Nut	Sal	chl a	NH ₄	prod		
1	1	1174	1134	0.156/0.25	11000	✓	1015	X	X	X			
2	2	1142	1177	0.175/0.280	750	✓	751.2	X	X	X			
3	3	1121	1094	0.169/1	500	✓	501.8	X	X	X			
4	4	1150	1108	1.519/1.536	350	✓	353	X	X	X			
5	5	1180	1192	2.611/2.610	250	✓	250.6	X	X	X			
6	6	1106	1119	2.952/-	225	✓	226.3	X	X	X			
7	7	1141	1158	-1.2/914	200	✓	200	X	X	X			
8	8	1146	1123	3.224/3.247	175	✓	175	X	X	X			
9	9	1153	1138	3.402/3.511	150	✓	151	X	X	X			
10	10	1105	1110	3.416/3.500	125	✓	125	X	X	X			
11	11	1128	1144	3.625/3.625	100	✓	99.2	X	X	X			
12	12	1114	1136	4.403/4.405	75	✓	79.8	X	X	X			
13	13				50	✓	50						
14	14	1182	1178	4.435/4.614	50	✓	50	X	X	X			
15	15				35	✓	35						
16	16	1126	1189	5.419/5.616	35	✓	35	X	X	X			
17	17				30	✓	30.5						
18	18	1130	1124	5.538/5.538	25	✓	25.5	X	X	X			
19	19				15	✓	14.8						
20	20	1085	3196	6.413/6.408	15	✓	14.9	X	X	X			
21	21				5	✓	5						
22	22	3204	3182	6.113/6.115	5	✓	5	X	X	X			
23	23				0	✓	2.5						
24	24				0	✓	2.5						

Watchkeeper(s): SV/DW/SZ

Bottom Depth: ~2000 m
Transmisso Cleaned: Y / N

Time		UTC	Local
Start		1512	0812
Bottom		1532	0832
End		1609	0909

Positional Information
Lat: 49 ° 41.141 N
Lon: 128 ° 24.174 W

Bottom
Lat: 49 ° 41.110 N
Lon: 128 ° 23.800 W

End
Lat: 49 ° 41.198 N
Lon: 128 ° 20.380 W

Oxygen Info For This Cast
Blank Value: -0005 mL · L⁻¹
Std Value: -5107 mL · L⁻¹
*Date Run: 3 JUL 2016
Analyst: SZ

*Oxygen blanks and standards should be run daily, if possible



Water Properties Group

Rosette Log

Institute of Ocean Sciences, Ocean Sciences Division, Sidney, BC

Cruise ID: 2016-17

Station: NP-2

Event #: 114

Ship: SWL

UTC Date (dd/mm/yyyy): 07/Jul/2016

Niskin #	Sample #	Oxygen Titrations		Rosette Operation		Samples Taken					Dry Temp		Comments
		Flask Serial #	Value mL · L ⁻¹	Target Pressure	Confirmed Pressure	Oxy	Nut	Sal	Chl a	NH ₄	Oxy1 temp	Oxy2 temp	
1	25	1085	0.271	1000	✓ 1000	X	X	X			4.7		
2	26	3196/3204	0.328/0.333	750	✓ 779	X	X	X			5.2	5.6	
3	27	3182	0.649	500	✓ 500	X	X	X			5.9		
4	28	3178	1.442	350	✓ 344	X	X	X			6.4		
5	29	3151	2.190	250	✓ 250	X	X	X			7.0		
6	30	3171	X	225	✓ 225	X	X	X			7.1		Ox: Forget to put in third dispenser in 5 sample
7	31	3177	2.693	200	✓ 200	X	X	X			7.6		
8	32	3188/3181	3.042/3.046	175	✓ 175	X	X	X			7.9	8.1	
9	33	3166	3.218	150	✓ 149	X	X	X			8.4		
10	34	3207	3.806	125	✓ 125	X	X	X			8.3		
11	35	3184	4.496	100	✓ 99	X	X	X			8.8		
12	36	3189	5.317	75	✓ 75	X	X	X			9.6		
13	37	3187	5.896	50	✓ 49	X	X	X			10.9		
14	38	3160	6.324	35	✓ 35	X	X	X			12.5		
15	39	3157	6.238	25	✓ 24	X	X	X			14.2		
16	40	3174	6.236	15	✓ 14	X	X	X			14.2		
17	41	1443	6.239	5	✓ 5	X	X	X			14.3		
18													
19													
20													
21													
22													
23													
24													

Watchkeeper(s):
SV, SZ, OW

Bottom Depth: 1800 m
Transmisso Cleaned: (Y) 1 N

Time	UTC	Local
Start	01:09	
Bottom	01:28	
End	01:55	

Positional Information
Lat: 50 ° 2.20° N
Lon: 130 ° 2.072 W

Bottom
Lat: 50 ° 9.370 N
Lon: 130 ° 1.768 W

End
Lat: 50 ° 9.460 N
Lon: 130 ° 1.210 W

Oxygen Info For This Cast
Blank Value: 1.0006 mL·L⁻¹
Std Value: 1.5106 mL·L⁻¹
*Date Run: 4 JUL 2016
Analyst: SZ

* Oxygen blanks and standards should be run daily, if possible



Water Properties Group

Rosette Log

Institute of Ocean Sciences, Ocean Sciences Division, Sidney, BC

Cruise ID: 2016-17

Station: NP-3

Event #: 6

Ship: SWC

UTC Date (ddmmmyyyy): 4 | 7 | 2016

Niskin #	Sample #	Oxygen Titrations		Rosette Operation		Samples Taken					Oxy 1 temp	Oxy2 temp	Comments	
		Flask Serial #	Value mL·L ⁻¹	Target Pressure	Confirmed Pressure	Oxy	Nut	Sal	Chl a	NH ₄				Dyg /Area
1	42	1174	0.224	1000	✓/1001	X	XX	X			X	4.6		
2	43	1134	0.426	750	✓/751	X	XX	X				4.9		
3	44	1142	0.896	500	✓/502	XX	XX	X			XX	5.5	5.7	
4	45	1127	1.972	350	✓/350	X	XX	XX				9.8		
5	46	1094	3.008	250	✓/255	X	XX	X			X	6.4		
6	47	1150	3.197	225	✓/221	XX	XX	X				6.7		Oxy2 not paired off 21n sample
7	48	1188	3.356	200	✓/200	X	XX	X			X	7.2		
8	49	1180	3.694	175	✓/175	XX	XX	XX				9.6		
9	50	1192	3.946	150	✓/150	X	XX	X			X	7.8		OK: 60 min break
10	51	1106	4.132	125	✓/126	XX	XX	X				8.4	8.6	data before this sample
11	52	1141	5.895	100	✓/100	X	XX	X			X	8.7		data 4315
12	53	1158	6.869	75	✓/75	X	XX	X	XX			9.2		
13	54	1146	6.381	50	✓/51	X	XX	X	XX		X	9.9		
14	55	1123	6.459	35	✓/35	X	XX	X	XX			10.5		
15	56	1153	6.348	25	✓/26	X	XX	X	XX		X	13.0		
16	57	1138	6.345	15	✓/15	XX	XX	X	XX			13.0		
17	58	1105	6.351	5	✓/5	X	XX	X	XX		X	13.2		
18														
19														
20														
21														
22														
23														
24														

4.322
4.336

Watchkeeper(s):
SV, SR, DW

Bottom Depth: 1800 m
Transmisso Cleaned: (Y) N

Time	UTC	Local
Start	1513	
Bottom	1532	
End	1559	

Positional Information
Lat: 50 ° 56.040 N
Lon: 132 ° 54.900 W

Bottom
Lat: 50 ° 56.050 N
Lon: 132 ° 54.567 W

End
Lat: 50 ° 56.070 N
Lon: 132 ° 54.160 W

Oxygen Info For This Cast
Blank Value: 10006 mL · L⁻¹
Std Value: 5106 mL · L⁻¹
*Date Run: 4 JUL 2016
Analyst: SE

* Oxygen blanks and standards should be run daily, if possible

Water Properties Group

Rosette Log

Institute of Ocean Sciences, Ocean Sciences Division, Sidney, BC

Cruise ID: 2016-17 Station: NP-4 Event #: 11 Ship: SUC UTC Date (dd/mm/yyyy): 5 | Jul | 2016

Niskin #	Sample #	Oxygen Titrations		Rosette Operation		Samples Taken					Day 1 Day 2		Comments
		Flask Serial #	Value mL · L ⁻¹	Target Pressure	Confirmed Pressure	Oxy	Nut	Sal	Chl a	NH ₄	temp	temp	
1	59	1085349	6.313 0.308	1000	✓ 1000	X	X	X	X		4.7	4.9	
2	60	3204	X	750	✓ 750	X	X	X			5.1		0 ¹ Forgot to add acid?
3	61	3182	1.133	500	✓ 500	X	X	X			5.6		OK!
4	62	31783151	2.198 X	350	✓ 350	X	X	X			5.9	6.0	Forgot to put in 4th and dispenser.
5	63	3171	3.140	250	✓ 250	X	X	X			6.7		
6	64	3177	3.391	225	✓ 225	X	X	X			7.0		
7	65	3188	3.492	200	✓ 200	X	X	X			7.4		
8	66	3181	3.163 3.163	175	✓ 175	X	X	X			7.8	7.8	OK! CAP STOCK. TRIED hot wts. then it broke
9	67	3207	4.356	150	✓ 149	X	X	X			8.1		
10	68	3184	5.154	125	✓ 125	X	X	X			8.5		
11	69	3189	5.962	100	✓ 100	X	X	X			8.7		
12	70	3187	6.312	75	✓ 76	X	X	X			9.2		
13	71	3160	6.378	50	✓ 50	X	X	X			9.9		
14	72	3157	6.340	35	✓ 35	X	X	X			10.6		
15	73	3174	6.486	25	✓ 25	X	X	X			12.1		
16	74	1443	6.508	15	✓ 15	X	X	X			12.4		
17	75	1474	6.492	5	✓ 5	X	X	X			12.6		
18													
19													
20													
21													
22													
23													
24													

Watchkeeper(s):

Bottom Depth: 3450 m

Transmisso Cleaned: (Y) 1 N

Time		UTC	Local
Start		01:03	
Bottom		01:25	
End		01:49	

Positional Information

Lat: 51 ° 28 600 N
Lon: 135 ° 6.818 W

Bottom
Lat: 51 ° 28.810 N
Lon: 135 ° 6.670 W

End
Lat: 51 ° 28.999 N
Lon: 135 ° 6.520 W

Oxygen Info For This Cast

Blank Value: 10005 mL · L⁻¹
Std Value: 0.5107 mL · L⁻¹
Date Run: 5 Jul 2016
Analyst: SZ

* Oxygen blanks and standards should be run daily, if possible



Water Properties Group

Rosette Log

Institute of Ocean Sciences, Ocean Sciences Division, Sidney, BC

Cruise ID: 2016-17

Station: NP-5

Event #: 15

Ship: Steve

UTC Date (dd/mm/yyyy): 5 | 30 | 2016

Niskin #	Sample #	Oxygen Titrations		Rosette Operation		Samples Taken					Comments	
		Flask Serial #	Value mL · L ⁻¹	Target Pressure	Confirmed Pressure	Oxy	Nut	Sal	Chl a	NH ₄		
1	76	1174	1140.308	1000	✓ 1001	X	X	X			4.7	5.2
2	77	1142	0.414	750	✓ 753	X	X	X			5.4	
3	78	1177	0.166	500	✓ 500	X	X	X			5.8	
4	79	1127	1.550	350	✓ 353	X	X	X			5.9	
5	80	1094	1150.2.53	250	✓ 253	X	X	X			6.5	6.7
6	81	1180	2.834	225	✓ 225	X	X	X			6.7	6.7
7	82	1180	3.139	200	✓ 202	X	X	X			6.8	6.8
8	83	1192	3.1389	175	✓ 176	X	X	X			7.1	7.1
9	84	1106	3.162	150	✓ 151	X	X	X			7.5	7.5
10	85	1119	1141.4.33	125	✓ 125	X	X	X			7.7	7.8
11	86	1158	5.627	100	✓ 100	X	X	X			8.3	8.3
12	87	1146	6.339	75	✓ 75	X	X	X			8.6	8.6
13	88			70	✓ 70							
14	89	1123	6.457	50	✓ 50	X	X	X			9.2	9.2
15	90	1153	6.652	35	✓ 35	X	X	X			10.2	10.2
16	91			35	✓ 35							
17	92	1138	6.718	25	✓ 25	X	X	X			10.7	10.7
18	93			24	✓ 24							
19	94	1105	6.435	15	✓ 15	X	X	X			12.3	12.3
20	95			15	✓ 15							
21	96			9	✓ 9							
22	97	1110	6.424	5	✓ 5	X	X	X			12.3	12.3
23	98			0	✓ 0							
24	99			0	✓ 0							

Watchkeeper(s):

SVS

Bottom Depth: 3580 m

Transmisso Cleaned: (Y) 1 N

Start in Rec from pt. 50 OT, 1 min. 1 min.

Time	UTC	Local
Start	15:02	
Bottom	15:23	
End	16:00	

Positional Information

Lat: 52	° 12.500	N
Lon: 138	° 44.303	W

Lat: 52	° 12.750	N
Lon: 138	° 44.170	W

Lat: 52	° 13.154	N
Lon: 138	° 43.909	W

Oxygen Info For This Cast

Blank Value:	10005	mL · L ⁻¹
Std Value:	5107	mL · L ⁻¹
*Date Run:	5 15 11 2016	
Analyst:	32	

* Oxygen blanks and standards should be run daily, if possible

Water Properties Group

Rosette Log

Institute of Ocean Sciences, Ocean Sciences Division, Sidney, BC

Cruise ID: 2016-17

Station: NP-6

Event #: 18

Ship: Seac

UTC Date (dd/mm/yyyy): 6 Dec 2016

#	Sample #	Oxygen Titrations		Rosette Target Pressure	Operation		Samples Taken					Comments	
		Flask Serial #	Value mL · L ⁻¹		Confirmed	Pressure	Oxy	Nut	Sal	Chl a	NH ₄		

1	100	1085796	0.530/X	1000	✓	1001	X	X	X			X	xxx	4.7	4.7	Ox: forgot to add this module
2	101	9204	0.468	750	✓	750	X	X	X			X	xxx	5.0		
3	102	3182	0.694	500	✓	435	X	X	X			X	xxx	5.5		
4	103	3178	1.377	350	✓	351	X	X	X			X	xxx	5.7		
5	104	3151	2.093	250	✓	253	X	X	X					5.9	6.0	
6	105	3147	2.396	225	✓	225	X	X	X					6.1		
7	106	3180	2.795	200	✓	200	X	X	X					6.1		
8	107	3181	3.046	175	✓	176	X	X	X					6.4		
9	108	1352	3.577	150	✓	147	X	X	X					6.9		
10	109	3207	4.473	125	✓	125	X	X	X			X	xxx	7.0	7.1	
11	110	3189	6.279	100	✓	101	X	X	X					7.6		Ox: forgot to add acid
12	111	3187	X	75	✓	75	X	X	X					8.1		
13	112	3100	1.081	50	✓	50	X	X	X			X	xxx	8.6	8.7	
14	113	3157	1.187	35	✓	35	X	X	X					9.5		
15	114	3244	1.538	25	✓	25	X	X	X					11.6	11.7	
16	115	1443	6.521	15	✓	15	X	X	X					11.7		Ox: put into module, then numbered to acid, then this module back in + press go!!!
17	116	1494	6.509	5	✓	5	X	X	X			X	xxx	12.1	12.2	
18																
19																
20		1.601														
21																
22																
23																
24																

Add replicates on 112, 114, 116 after labels made so took flasks from end of box. This makes the ordering a little tricky.

Watchkeeper(s):

Bottom Depth: 2720 m
Transmisso Cleaned: (Y) 1 N

Time UTC Local
Start 0107
Bottom 0127
End 0159

Positional Information
Lat: 52 ° 39.244 N
Lon: 171 ° 10.697 W

Bottom
Lat: 52 ° 39.290 N
Lon: 171 ° 10.703 W

End
Lat: 52 ° 39.370 N
Lon: 171 ° 9.894 W

Oxygen Info For This Cast
Blank Value: 10005 mL · L⁻¹
Std Value: 15107 mL · L⁻¹
*Date Run: 6 Dec 2016
Analyst: SZ

* Oxygen blanks and standards should be run daily, if possible

B673



Water Properties Group

Rosette Log

Institute of Ocean Sciences, Ocean Sciences Division, Sidney, BC

Cruise ID: 2016-17

Station: NP-7

Event #: 21

Ship: SWC

UTC Date (dd|mm|yyyy): 6 | Dec | 2016

Niskin #	Sample #	Oxygen Titrations		Rosette Target Pressure	Operation		Samples Taken					Comments
		Flask Serial #	Value mL · L ⁻¹		Confirmed	Pressure	Oxy	Nut	Sal	Chl a	NH ₄	
1	117	1174	1114	1900	✓	1911	X	X	X		X	
2	118	1142	0.931	1750	✓	1750	X	X	X			
3	119	1177	0.612	1500	✓	1499	X	X	X		XX	
4	120	1127	0.434	1250	✓	1250	X	X	X			
5	121	1094	0.418	1000	✓	1000	X	X	X		X	
6	122	1150	0.433	750	✓	750	X	X	X			
7	123	1181	0.57	500	✓	500	X	X	X		X	
8	124	1192	0.73	350	✓	350	X	X	X			
9	125	1506	1.369	250	✓	255	X	X	X		X	
10	126	1119	1.665	225	✓	225	X	X	X			
11	127	1141	1.914	200	✓	200	X	X	X		X	
12	128	1178	2.57	175	✓	175	X	X	X			
13	129	1123	2.614	150	✓	150	X	X	X		X	
14	130	1153	3.087	125	✓	125	X	X	X			
15	131	1138	3.1950	100	✓	100	X	X	X		X	
16	132	1105	6.571	75	✓	75	X	X	X			
17	133	1110	7.185	50	✓	50	X	X	X		X	
18	134	1128	11.827	35	✓	35	X	X	X			
19	135	1144	6.647	25	✓	25	X	X	X		X	
20	136	1114	6.551	15	✓	15	X	X	X		X	
21	137	1136	6.527	5	✓	5	X	X	X		X	
22												
23												
24												

Watchkeeper(s):

Bottom Depth: 4085 m

Transmisso Cleaned: (Y) / N

Time		UTC	Local
Start		1505	
Bottom		1538	
End		1623	

Positional Information

Start
Lat: 53 ° 10.202 N
Lon: 144 ° 54.558 W

Bottom
Lat: 53 ° 10.109 N
Lon: 144 ° 54.769 W

End
Lat: 53 ° 10.078 N
Lon: 144 ° 54.779 W

Oxygen Info For This Cast

Blank Value: 10005 mL · L⁻¹
Std Value: 15107 mL · L⁻¹
*Date Run: 6 Dec 2016
Analyst: SZ

*Oxygen blanks and standards should be run daily, if possible

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Water Properties Group

Rosette Log

Institute of Ocean Sciences, Ocean Sciences Division, Sidney, BC

Cruise ID: 2016-17

Station: NP-8

Event #: 24

Ship: Seve

UTC Date (dd|mm|yyyy): 7 | Jul | 2016

Niskin #	Sample #	Oxygen Titrations		Rosette Operation		Samples Taken					Comments	
		Flask Serial #	Value mL · L ⁻¹	Target Pressure	Confirmed Pressure	Oxy	Nut	Sal	Chl a	NH ₄		
1	138	1083 3196	0.388 0.368	1000	✓ 1000	X	X	X			Oxy1 Normal	
2	139	3024	0.432	750	✓ 750	X	X	X			Oxy2 - on LOWO2	
3	140	3182	0.442	500	✓ 500	X	X	X				
4	141	3178	0.502	350	✓ 350	X	X	X				
5	142	3151 3171	0.403 0.617	250	✓ 251	X	X	X			Oxy1 - Low Press	
6	143	3177	0.853	225	✓ 225	X	X	X			Oxy2 - Normal	
7	144	3188	1.043	200	✓ 200	X	X	X				
8	145	3181	1.306	175	✓ 176	X	X	X				
9	146	3154 3120	1.829 1.846	150	✓ 150	X	X	X				
10	147	3184	3.102	125	✓ 125	X	X	X				
11	148	3189	5.054	100	✓ 100	X	X	X				
12	149	3148	6.945	75	✓ 75	X	X	X				
13	150	3160	7.195	50	✓ 50	X	X	X				
14	151	3157	7.078	35	✓ 36	X	X	X				
15	152	3174	6.600	25	✓ 25	X	X	X				
16	153	1443	6.543	15	✓ 15	X	X	X				
17	154	1434		5	✓ 6	X	X	X				
18												
19												
20												
21												
22												
23												
24												

Watchkeeper(s):

Bottom Depth: 4021 m
Transmisso Cleaned: 9/1 N

Time UTC Local
Start 0105
Bottom 0128
End 0152

Positional Information
Lat: 53 ° 27.440 N
Lon: 147 ° 26.544 W

Bottom
Lat: 53 ° 27.460 N
Lon: 147 ° 26.360 W

End
Lat: 53 ° 27.436 N
Lon: 147 ° 26.261 W

Oxygen Info For This Cast
Blank Value: 1004 mL · L⁻¹
Std Value: 15106 mL · L⁻¹
*Date Run: 7 Jul 2016
Analyst: SZ
*Oxygen blanks and standards should be run daily, if possible



Institute of Ocean Sciences, Ocean Sciences Division, Sidney, BC

UTC Date (dd|mm|yyyy): 7 | 3004 | 2016

[Faint handwritten notes at the bottom of the page, possibly "Vest 1" and "Lm?"]

Watchkeeper(s):	
Bottom Depth:	4573 m
Transmisso Cleaned: (Y) / N	

Time	UTC	Local
Start	1503	
Bottom	1522	
End	1549	

Positional Information

Lat:	53 ° 48.864	N
Lon:	151 ° 19.658	W

▼

Lat:	53 ° 49.014	N
Lon:	151 ° 19.390	W

▼

Lat:	53 ° 49.170	N
Lon:	151 ° 19.338	W

Oxygen Info For This Cast

Blank Value:	.0004	mL·L ⁻¹
Std Value:	15106	mL·L ⁻¹
*Date Run:	7 Jul 2016	
Analyst:	SZ	

*Oxygen blanks and standards should be run daily, if possible

Sarah

<http://www.pac.dfo-mpo.gc.ca/sci/osap/projects/waterproperties/>

Version: 28 Feb 2008

Transmissometer to be cleaned before each cast, do not use Ammonia products

All peaks (except #163) looked really good but final ex value jumping high + low.

system froze on sample 169 ~~not~~ during induction from fast dispensing to bringing bp graph. Ended task, powered off desktop, restarted

and started again. Came up, tested a few times. started up again w/ file 90001.

<http://www.pac.dfo-mpo.gc.ca/sci/osap/projects/waterproperties/>

Water Properties Group

Rosette Log

Institute of Ocean Sciences, Ocean Sciences Division, Sidney, BC

Cruise ID: 2016-17

Station: NP-10

Event #: 32

Ship: SWC

UTC Date (dd/mm/yyyy): 8 Jul 2016

Niskin #	Sample #	Oxygen Titrations		Rosette Operation Target Pressure	Confirmed Pressure	Samples Taken					Comments	
		Flask Serial #	Value mL · L ⁻¹			Oxy	Nut	Sal	chl a	NH ₄	Oxy1 temp	Oxy2 temp

1	179	10853196	0.414	1000	✓ 1000	X	X	X			3.9	3.9	Oxy: photo mode - low + not mixed well
2	180	3204	0.305	750	✓ 745	X	X	X			4.2		changed water in bottle
3	181	3182	0.314	500	✓ 499	X	X	X			4.6		
4	182	3183151	0.353	350	✓ 350	X	X	X			5.0	5.2	0.353/0.348
5	183	3171	0.384	250	✓ 251	X	X	X			5.2		
6	184	3177	0.455	225	✓ 226	X	X	X			5.2		
7	185	3188	0.536	200	✓ 202	X	X	X			5.4		
8	186	3181	0.648	175	✓ 175	X	X	X			5.4		
9	187	3183128	0.83	150	✓ 150	X	X	X			5.5	6.0	Oxy: this is 188 at 3184 run out of order. Need to
10	188	3184	0.841	125	✓ 125	X	X	X			5.8		Oxy: heavy suspended solids temp
11	189	3189	2.040	100	✓ 101	X	X	X			5.9		
12	190	3188	4.878	75	✓ 75	X	X	X			6.2		
13	191	3160	7.234	50	✓ 50	X	X	X			7.5		
14	192	31573208	9.123	35	✓ 35	X	X	X			8.6	8.7	
15	193	3174	6.687	25	✓ 26	X	X	X			11.5		
16	194	1443	6.542	15	✓ 15	X	X	X			12.4		
17	195	14341428	6.518	5	✓ 6	X	X	X			12.7	12.9	
18			6.510										
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Watchkeeper(s):

Bottom Depth: 4626 m

Transmisso Cleaned: (Y) N

Time UTC Local

Start 0106

Bottom 0127

End 0152

Positional Information

Lat: 53 ° 58.000 N

Lon: 153 ° 55.740 W

Bottom

Lat: 53 ° 58.016 N

Lon: 153 ° 55.560 W

End

Lat: 53 ° 58.009 N

Lon: 153 ° 55.180 W

Oxygen Info For This Cast

Blank Value: 10005 mL · L⁻¹

Std Value: 15107 mL · L⁻¹

Date Run: 8 Jul 2016

Analyst: SE

Version: 28 Feb 2008

Transmissometer to be cleaned before each cast, do not use Ammonia products

OR: 0.4 mL/L = 0.04 mL/L + 5, blanks used 0.05, 56 yes mL/L sense to use LOWO2 option as blanks do

Water Properties Group

Rosette Log

Institute of Ocean Sciences, Ocean Sciences Division, Sidney, BC

Cruise ID: 2016-17

Station: NP-11

Event #: 36

Ship: Seac

UTC Date (dd|mm|yyyy): 8 | Jul | 2016

Niskin #	Sample #	Oxygen Titrations		Rosette Operation		Samples Taken					Comments	
		Flask Serial #	Value mL · L ⁻¹	Target Pressure	Confirmed Pressure	Oxy	Nut	Sal	Chl a	NH ₄		
1	196	11741134	0.34	1000	✓ 999	XX	X	X		X	OX: Low02, Flusin bure then sample	
2	197	1142	0.1315	750	✓ 751	X	X	X				
3	198	1122	0.378	500	✓ 500	X	X	X		X		
4	199	1121094	0.180181	350	✓ 352	XX	X	X				
5	200	1150	0.799	250	✓ 249	X	X	X		XX		
6	201	1124	0.833	225	✓ 227	X	X	X				
7	202	1180	1.124	200	✓ 200	X	X	X		X		
8	203	1192	1.468	175	✓ 176	X	X	X			OX: PL + 1141e odd but OK	
9	204	1106	1.993	150	✓ 150	X	X	X		X		
10	205	11191130	3.243	125	✓ 120	XX	XX	X				
11	206	1150	4.828	100	✓ 100	X	XX	X		X		
12	207			75	✓ 75							
13	208	1146	6.072	75	✓ 75	X	X	X				
14	209			50	✓ 50							
15	210	1123	6.821	50	✓ 50	X	XX	X		X		
16	211	11531138	7.053	35	✓ 36	XX	XX	X				
17	212	1105	6.971	25	✓ 25	X	XX	X		X		
18	213			18	✓ 18							
19	214			15	✓ 15							
20	215	11101128	6.561	15	✓ 15	XX	XX	X		X		
21	216			7	✓ 7							
22	217	1144	6.542	5	✓ 5	X	XX	X		X		
23	218			0	✓							
24	219			0	✓							

Version: 28 Feb 2008

Transmissometer to be cleaned before each cast, do not use Ammonia products

Watchkeeper(s):

Bottom Depth: 3329 m

Transmisso Cleaned: (Y) 1 N

Time		UTC	Local
Start		1502	
Bottom		1521	
End		1549	

Positional Information

Lat: 54 ° 7.194 N
Lon: 158 ° 51.763 W

Lat: 54 ° 7.426 N
Lon: 158 ° 52.240 W

Lat: 54 ° 7.806 N
Lon: 158 ° 52.607 W

Oxygen Info For This Cast

Blank Value: 0005 mL · L⁻¹
Std Value: 15107 mL · L⁻¹
*Date Run: 8 JUL 2016
Analyst: SZ

*Oxygen blanks and standards should be run daily, if possible

http://www.pac.dfo-mpo.gc.ca/sci/losap/projects/waterproperties/

