Dissolved Oxygen Analysis Log Sheet

Octopus

Institute of Ocean Sciences
Water Properties Group

Last Updated: July 2015

IOS

Cruise and Analysis Information	
Cruise Number:	2017-63
Event:	01
Station:	S1
Event Date (Local):	08 April 17
Analysis Date (Local):	
Analyst:	KS
Stdization Date (Local):	08 April 17
KIO_3 N:	0.0118866
Standard Titer:	0.49455
Blank Titer:	0.00045
THIO N:	0.24072
Sample Flask Water Seal?	(Yes) / No
Reagent Change? (Please circle reagent that was changed prior to sampling and standardization) NOTE NEW BATCH IN LOG BOOK	$MnCl_2$ / NaI/NaOH / H_2SO_4 / KIO_3 / THIO
Notes:	

Nisk ID	Nisk Int V	Nisk Int S	Sample ID	Flask 1	Draw T 1 (°C)	OXY-1 (mL/L)	OXY-1 Comments
1			1	3056	8.1	0.703	
2			2	1059	8.1	4.878	
3			3	3021	8.0	5.261	
4			4	2086	8.0	5.443	⇒
5			5	2084	8.0	5.658	
6			6	3108	8.1	5.755	
7			7	3088	8.3	6.117	
8			8	3019	8.6	7.792	- EP is late. Requires adjustment
9			9	2075	8.9	8.930	
10							
11							
12							
13							
14							
15							
16							
17							
18							
19							
20							
21							
22							
23							
24							

Nisk ID	Sample ID	Flask 2	Draw T 2 (°C)	OXY-2 (mL/L)	OXY-2 Comments
1					
2					
3					
4	4	3104	8.0	5.444	B sampled before A
5					
6					
7					
8					
9					
10					
11					
12					
13					
14					
15					
16					
17					
18					
19					
20					
21					
22					
23					
24					

Bottle integrity: First test the top vent (V) by opening the lower spigot (S) then test the spigot by opening the vent. Mark 'x' in the appropriate column if either fails the integrity check and explain this in the comments column.

Dissolved Oxygen Analysis Log Sheet

Institute of Ocean Sciences
Water Properties Group

Shark

Last Updated: July 2015

IOS

Cruise and Analysis Information	
Cruise Number:	2017-63
Event:	05
Station:	102
Event Date (Local):	April 9/17
Analysis Date (Local):	9 Apr. / 17
Analyst:	KS
Stdization Date (Local):	08 Apr. / 17
KIO_3 N:	0.0118860
Standard Titer:	0.4945
Blank Titer:	0.00045
THIO N:	0.24072
Sample Flask Water Seal?	(Yes) / No
Reagent Change? (Please circle reagent that was changed prior to sampling and standardization) NOTE NEW BATCH IN LOG BOOK	$MnCl_2$ / NaI/NaOH / H_2SO_4 / KIO_3 / THIO
Notes:	

Nisk ID	Nisk Int V	Nisk Int S	Sample ID	Flask 1	Draw T 1 (°C)	OXY-1 (mL/L)	OXY-1 Comments
1			11	1429	8.2	2.834	
2			12	94	8.2	2.955	
3			13	1408	8.4	3.177	
4			14	2007	8.7	4.018	
5			15	3158	9.0	~~5.138~~	5.138
6			16	209	9.4	6.388	
7			17	2017	9.3	6.164	
8			18	2016	9.5	~~6.429~~	6.180
9			19	1465	9.6	~~6.465~~	6.429
10			20	~~2057~~	9.7	6.465	~~Flask 2015 6.465~~
11			21	2015	9.7	6.529	
12			22	2027	9.7	6.609	
13			23	2032	9.9	6.653	small bubble from reagents
14			24	2040	10.0	6.664	
15							
16							
17							
18							
19							
20							
21							
22							
23							
24							

~~Nisk~~ ID	Sample ID	Flask 2	Draw T 2 (°C)	OXY-2 (mL/L)	OXY-2 Comments
1					
2					
3					
4					
5	15	2025	9.0	5.140	drawn first
6					
7					
8					
9					
10					
11					
12					
13	23	2043	9.9	6.653	
14					
15					
16					
17					
18					
19					
20					
21					
22					
23					
24					

Bottle integrity: First test the top vent (V) by opening the lower spigot (S) then test the spigot by opening the vent. Mark 'x' in the appropriate column if either fails the integrity check and explain this in the comments column.

Dissolved Oxygen Analysis Log Sheet

Birdie in the Sky.

Institute of Ocean Sciences
Water Properties Group

Last Updated: July 2015

IOS

Cruise and Analysis Information	
Cruise Number:	2017-63
Event:	08
Station:	75
Event Date (Local):	April 9/2017
Analysis Date (Local):	09 April 17
Analyst:	KS
Stdization Date (Local):	08 April 17
KIO_3 N:	0.0118660
Standard Titer:	0.4945
Blank Titer:	0.00045
THIO N:	0.24072
Sample Flask Water Seal?	(Yes) / No
Reagent Change? (Please circle reagent that was changed prior to sampling and standardization) NOTE NEW BATCH IN LOG BOOK	$MnCl_2$ / NaI/NaOH / H_2SO_4 / KIO_3 / THIO
Notes:	Very windy while sampling.

Nisk ID	Nisk int V	Nisk int S	Sample ID	Flask 1	Draw T 1 (°C)	OXY-1 (mL/L)	OXY-1 Comments
1			26	557	8.5	3.018	
2			27	3025	8.4	3.030	
3			28	3192	8.4	3.034	
4			29	3013	8.5	3.417	
5			30	3093	8.7	4.430	
6			31	3038	8.5	4.823	
7			32	708	8.7	5.320	
8			33	575	9.1	5.812	
9			34	611	9.5	6.252	
10			35	3053	9.5	6.405	
11			36	745	9.7	6.514	
12			37	3034	9.9	6.755	
13			38	612	10.0	6.771	
14			39	2098	10.1	6.778	
15							
16							
17							
18							
19							
20							
21							
22							
23							
24							

~~Nisk~~ ID	Sample ID	Flask 2	Draw T 2 (°C)	OXY-2 (mL/L)	OXY-2 Comments
1					
2					
3	28	3040	8.4	3.038	
4					
5					
6					
7					
8					
9	34	510	9.4	6.251	
10					
11					
12					
13					
14					
15					
16					
17					
18					
19					
20					
21					
22					
23					
24					

Bottle integrity: First test the top vent (V) by opening the lower spigot (S) then test the spigot by opening the vent. Mark 'x' in the appropriate column if either fails the integrity check and explain this in the comments column.

Dissolved Oxygen Analysis Log Sheet

Sea Turtle

Institute of Ocean Sciences
Water Properties Group

Last Updated: July 2015

IOS

Cruise and Analysis Information	
Cruise Number:	2017-63
Event:	12
Station:	72
Event Date (Local):	09 April 2017
Analysis Date (Local):	09 April 2017
Analyst:	KS
Stdization Date (Local):	08 April 2017
KIO_3 N:	0.0118860
Standard Titer:	0.49455
Blank Titer:	0.00045
THIO N:	0.24072
Sample Flask Water Seal?	(Yes) / No
Reagent Change? (Please circle reagent that was changed prior to sampling and standardization) NOTE NEW BATCH IN LOG BOOK	$MnCl_2$ / NaI/NaOH / H_2SO_4 / KIO_3 / THIO
Notes:	

Nisk ID	Nisk Int V	Nisk Int S	Sample ID	Flask 1	Draw T 1 (°C)	OXY-1 (mL/L)	OXY-1 Comments
1			41	1023	8.5	3.095	
2			42	1472	8.5	3.120	
3			43	3110	8.6	3.576	
4			44A	1402	8.9	4.492	⇒
5			45	3047	8.7	4.957	
6			46	1422	8.6	5.290	
7			47	1459	8.7	5.572	
8			48	1457	8.7	5.688	
9			49	1401	8.7	5.737	
10	X		50A	1418	8.8	6.029	⇒
11			51	2035	8.8	6.317	
12			52	1019	9.7	6.672	
13			53	1490	9.9	6.751	
14							
15							
16							
17							
18							
19							
20							
21							
22							
23							
24							

Nisk ID	Sample ID	Flask 2	Draw T 2 (°C)	OXY-2 (mL/L)	OXY-2 Comments
1					
2					
3					
4	44B	1035	8.9	4.493	
5					
6					
7					
8					
9					
10	50B	650	8.8	6.010	
11					
12					
13					
14					
15					
16					
17					
18					
19					
20					
21					
22					
23					
24					

Bottle integrity: First test the top vent (V) by opening the lower spigot (S) then test the spigot by opening the vent. Mark 'x' in the appropriate column if either fails the integrity check and explain this in the comments column.

Dissolved Oxygen Analysis Log Sheet

Institute of Ocean Sciences
Water Properties Group

Swallow

Last Updated: July 2015

105

Cruise and Analysis Information	
Cruise Number:	2017-63
Event:	15
Station:	69
Event Date (Local):	09 April 2017
Analysis Date (Local):	09 April 2017
Analyst:	KS
Stdization Date (Local):	08 April 2017
KIO_3 N:	0.0118860
Standard Titer:	0.49455
Blank Titer:	0.00045
THIO N:	0.24072
Sample Flask Water Seal?	(Yes) / No
Reagent Change? (Please circle reagent that was changed prior to sampling and standardization) NOTE NEW BATCH IN LOG BOOK	$MnCl_2$ / NaI/NaOH / H_2SO_4 / KIO_3 / THIO
Notes:	

Nisk ID	Nisk Int V	Nisk Int S	Sample ID	Flask 1	Draw T 1 (°C)	OXY-1 (mL/L)	OXY-1 Comments
1			55	557	8.5	3.241	
2			56	3025	8.5	3.354	Bubble in thio line. Flushed after
3			57	3192	8.7	4.126	this sample.
4			58	3040	8.7	4.595	=>
5			59	3093	8.7	5.087	
6			60	3038	8.7	5.302	
7			61	708	8.7	5.598	
8			62	575	8.7	5.640	
9			63	611	8.7	5.695	
10			64	510	8.9	6.200	=>
11			65	745	9.0	6.451	
12			66	3034	9.2	6.577	
13			67				
14							
15							
16							
17							
18							
19							
20							
21							
22							
23							
24							

Nisk ID	Sample ID	Flask 2	Draw T 2 (°C)	OXY-2 (mL/L)	OXY-2 Comments
1					
2					
3					
4	58	3013	8.7	4.597	
5					
6					
7					
8					
9					
10	64	3053	8.9	6.200	
11					
12					
13					
14					
15					
16					
17					
18					
19					
20					
21					
22					
23					
24					

Bottle integrity: First test the top vent (V) by opening the lower spigot (S) then test the spigot by opening the vent. Mark 'x' in the appropriate column if either fails the integrity check and explain this in the comments column.

Dissolved Oxygen Analysis Log Sheet

Turtle

Institute of Ocean Sciences
Water Properties Group

Last Updated: July 2015

IOS

Cruise and Analysis Information	
Cruise Number:	2017-63
Event:	Ehl Dil See! Pee!
Station:	18
Event Date (Local):	09 April 2017
Analysis Date (Local):	10 April 2017
Analyst:	KS
Stdization Date (Local):	10 April 2017
KIO_3 N:	0.0118860
Standard Titer:	0.49445
Blank Titer:	0.00042
THIO N:	0.24065
Sample Flask Water Seal?	(Yes) / ~~No~~
Reagent Change? (Please circle reagent that was changed prior to sampling and standardization) NOTE NEW BATCH IN LOG BOOK	$MnCl_2$ / NaI/NaOH / H_2SO_4 / KIO_3 / THIO

Notes:

Forgot to double stake, samples moved inside due to rough weather, water sealed after. Sorry

Nisk ID	Nisk Int V	Nisk Int S	Sample ID	Flask 1	Draw T 1 (°C)	OXY-1 (mL/L)	OXY-1 Comments
1			68	1023	8.5	4.445	
2			69	1472	8.5	4.608	
3			70	3110	8.5	4.798	
4			71	1402	8.5	5.652	=>
5			72	3047	8.6	5.735	
6			73	1422	8.7	5.879	
7			74	1459	8.9	6.232	
8			75	1457	9.0	6.281	
9			76	1401	9.1	6.283	
10			77	1418	9.1	6.284	=>
11			78				
12							
13							
14							
15							
16							
17							
18							
19							
20							
21							
22							
23							
24							

Nisk ID	Sample ID	Flask 2	Draw T 2 (°C)	OXY-2 (mL/L)	OXY-2 Comments
1					
2					
3					
4	71	1035	8.5	5.651	
5					
6					
7					extremely windy when sampling these
8					
9					
10	77	650	9.2	6.276	
11					
12					
13					
14					
15					
16					
17					
18					
19					
20					
21					
22					
23					
24					

Bottle integrity: First test the top vent (V) by opening the lower spigot (S) then test the spigot by opening the vent. Mark 'x' in the appropriate column if either fails the integrity check and explain this in the comments column.

SHARK

Dissolved Oxygen Analysis Log Sheet

Institute of Ocean Sciences
Water Properties Group

Last Updated: July 2015

IOS

Cruise and Analysis Information	
Cruise Number:	2017-63
Event:	22
Station:	65
Event Date (Local):	10 April 2017
Analysis Date (Local):	10 April 2017
Analyst:	KS
Stdization Date (Local):	10 April 2017
KIO_3 N:	0.0118860
Standard Titer:	0.49445
Blank Titer:	0.00042
THIO N:	0.24065
Sample Flask Water Seal?	(Yes) / No
Reagent Change? (Please circle reagent that was changed prior to sampling and standardization) NOTE NEW BATCH IN LOG BOOK	$MnCl_2$ / NaI/NaOH / H_2SO_4 / KIO_3 / THIO
Notes:	

Nisk ID	Nisk Int V	Nisk Int S	Sample ID	Flask 1	Draw T 1 (°C)	OXY-1 (mL/L)	OXY-1 Comments
1			79	1429	8.5	4.475	
2			80	94	8.5	4.661	→
3			81	2007	8.5	5.105	
4			82	3158	8.5	5.394	
5			83	2025	8.6	5.599	
6			84	2019	8.6	5.624	
7			85	2017	8.7	5.804	
8			86	2016	9.0	6.243	→
9			87	2051	9.1	6.278	
10			88	2015	9.2	6.277	
11			8				
12							
13							
14							
15							
16							
17							
18							
19							
20							
21							
22							
23							
24							

Nisk ID	Sample ID	Flask 2	Draw T 2 (°C)	OXY-2 (mL/L)	OXY-2 Comments
1					
2		1408	8.5	4.661	
3					
4					
5					
6					
7					
8		1465	9.0	6.242	
9					
10					
11					
12					
13					
14					
15					
16					
17					
18					
19					
20					
21					
22					
23					
24					

Bottle integrity: First test the top vent (V) by opening the lower spigot (S) then test the spigot by opening the vent. Mark 'x' in the appropriate column if either fails the integrity check and explain this in the comments column.

Dissolved Oxygen Analysis Log Sheet

SHARK

Institute of Ocean Sciences
Water Properties Group

Last Updated: July 2015

IOS

Cruise and Analysis Information	
Cruise Number:	2017-65
Event:	26
Station:	62
Event Date (Local):	April 10, 2017
Analysis Date (Local):	10 April 2017
Analyst:	KS
Stdization Date (Local):	10 April 2017
KIO_3 N:	0.0118860
Standard Titer:	0.49445
Blank Titer:	0.00042
THIO N:	0.24065
Sample Flask Water Seal?	(Yes) / No
Reagent Change? (Please circle reagent that was changed prior to sampling and standardization) NOTE NEW BATCH IN LOG BOOK	$MnCl_2$ / NaI/NaOH / H_2SO_4 / KIO_3 / THIO
Notes:	

Nisk ID	Nisk Int V	Nisk Int S	Sample ID	Flask 1	Draw T 1 (°C)	OXY-1 (mL/L)	OXY-1 Comments
1			93	2027	8.6	4.435	
2			94	2032	8.5	4.760	
3			95	2043	8.5	5.177	
4			96	2047	8.5	5.556	
5			97	3033	8.5	5.924	
6			98	3009	8.5	5.950	
7			99	624	8.6	5.996	
8			100	3032	8.6	6.028	
9			101	2000	8.6	6.116	
10			102	3042	8.6	6.127	
11			103	3037	8.6	6.129	
12							
13							
14							
15							
16							
17							
18							
19							
20							
21							
22							
23							
24							

Nisk ID	Sample ID	Flask 2	Draw T 2 (°C)	OXY-2 (mL/L)	OXY-2 Comments
1					
2					
3	95	2040	8.5	5.177	
4					
5					
6					
7					
8	100	3200	8.6	6.025	
9					
10					
11					
12					
13					
14					
15					
16					
17					
18					
19					
20					
21					
22					
23					
24					

Bottle integrity: First test the top vent (V) by opening the lower spigot (S) then test the spigot by opening the vent. Mark 'x' in the appropriate column if either fails the integrity check and explain this in the comments column.

Dissolved Oxygen Analysis Log Sheet

SWALLOW.

Institute of Ocean Sciences
Water Properties Group

Last Updated: July 2015

IOS

Cruise and Analysis Information	
Cruise Number:	2017-63
Event:	~~37~~ 34
Station:	56
Event Date (Local):	10 April 2017
Analysis Date (Local):	10 April 2017
Analyst:	KS
Stdization Date (Local):	10 April 2017
KIO_3 N:	0.0118660
Standard Titer:	0.49445
Blank Titer:	0.00042
THIO N:	0.24065
Sample Flask Water Seal?	(Yes) / No
Reagent Change? (Please circle reagent that was changed prior to sampling and standardization) NOTE NEW BATCH IN LOG BOOK	$MnCl_2$ / NaI/NaOH / H_2SO_4 / KIO_3 / THIO
Notes:	

Nisk ID	Nisk Int V	Nisk Int S	Sample ID	Flask 1	Draw T 1 (°C)	OXY-1 (mL/L)	OXY-1 Comments
1			105	557	8.4	5.338	
2			106	3025	8.4	5.348	
3			107	3192	8.4	5.377	
4			108A	3040	8.4	5.439	⇒
5			109	3093	8.4	5.504	
6			110	3058	8.4	5.663	
7			111	708	8.4	5.742	
8			112	575	8.4	5.735	EP is late. Needs adjustment.
9			113	611	8.4	5.749	
10			114	510	8.4	5.744	
11			115	3053	8.5	5.758	
12			116	745	8.5	5.730	
13			117	3084	8.5	5.771	
14			118A	612	8.5	5.774	⇒
15							
16							
17							
18							
19							
20							
21							
22							
23							
24							

Nisk ID	Sample ID	Flask 2	Draw T 2 (°C)	OXY-2 (mL/L)	OXY-2 Comments
1					
2					
3					
4	108B	8013	8.4	5.442	
5					
6					
7					
8					
9					
10					
11					
12					
13					
14	118B	2098	8.5	5.773	
15					
16					
17					
18					
19					
20					
21					
22					
23					
24					

Bottle integrity: First test the top vent (V) by opening the lower spigot (S) then test the spigot by opening the vent. Mark 'x' in the appropriate column if either fails the integrity check and explain this in the comments column.

Dissolved Oxygen Analysis Log Sheet

Institute of Ocean Sciences
Water Properties Group

Last Updated: July 2015

IOS

Cruise and Analysis Information	
Cruise Number:	2017-63
Event:	46
Station:	46
Event Date (Local):	APR 11/17
Analysis Date (Local):	11 Apr. 2017
Analyst:	KS
Stdization Date (Local):	10 Apr. 2017
KIO_3 N:	0.0118860
Standard Titer:	0.49445
Blank Titer:	0.00042
THIO N:	0.24065
Sample Flask Water Seal?	(Yes) / No
Reagent Change? (Please circle reagent that was changed prior to sampling and standardization) NOTE NEW BATCH IN LOG BOOK	$MnCl_2$ / NaI/NaOH / H_2SO_4 / KIO_3 / THIO
Notes:	

Nisk ID	Nisk Int V	Nisk Int S	Sample ID	Flask 1	Draw T 1 (°C)	OXY-1 (mL/L)	OXY-1 Comments
1			121	1429	8.3	4.462	
2			122	94	8.2	5.094	
3			123	1408	8.2	5.464	⇒
4			124	3158	8.2	5.629	
5			125	2025	8.2	5.763	
6			126	2049	8.3	5.837	
7			127	2017	8.3	5.862	⇒
8			128	1465	8.4	5.898	
9			129	2051	8.4	5.941	
10			130	2015	8.4	6.035	
11			131	2027	8.5	6.238	
12			132	2032	8.5	6.248	
13							
14							
15							
16							
17							
18							
19							
20							
21							
22							
23							
24							

Nisk ID	Sample ID	Flask 2	Draw T 2 (°C)	OXY-2 (mL/L)	OXY-2 Comments
1					
2					
3	123	2007	8.2	5.463	
4					
5					
6					
7	127	2016	8.3	5.860	
8					
9					
10					
11					
12					
13					
14					
15					
16					
17					
18					
19					
20					
21					
22					
23					
24					

Bottle integrity: First test the top vent (V) by opening the lower spigot (S) then test the spigot by opening the vent. Mark 'x' in the appropriate column if either fails the integrity check and explain this in the comments column.

Dissolved Oxygen Analysis Log Sheet

Turtle.

Institute of Ocean Sciences

~~Water Properties Group~~

Last Updated: July 2015

Cruise and Analysis Information	
Cruise Number:	2017-63
Event:	57
Station:	42
Event Date (Local):	APR 11, 2017
Analysis Date (Local):	11 Apr. 2017
Analyst:	KS
Stdization Date (Local):	10 Apr. 2017
KIO_3 N:	0.0113360
Standard Titer:	0.49445
Blank Titer:	0.00042
THIO N:	0.24065
Sample Flask Water Seal?	(Yes) / No
Reagent Change? (Please circle reagent that was changed prior to sampling and standardization) NOTE NEW BATCH IN LOG BOOK	$MnCl_2$ / NaI/NaOH / H_2SO_4 / KIO_3 / THIO
Notes:	

Nisk ID	Nisk Int V	Nisk Int S	Sample ID	Flask 1	Draw T 1 (°C)	OXY-1 (mL/L)	OXY-1 Comments
1			134	1023	8.9	2.439	- EP is late. Requires adjustment.
2			135	1472	8.9	2.629	
3			136	3110	8.8	3.028	→
4			137	1035	8.5	3.851	
5			138	3047	8.3	4.135	
6			139	1422	8.3	4.536	
7			140	1459	8.0	5.303	
8			141	1457	8.1	~~5.101~~	5.431
9			142	1401	8.1	5.321	
10			143	1418	8.5	4.526	
11			144	650	8.5	4.503	
12			145	2035	8.5	4.926	
13			146	1019	8.4	5.539	
14			147	1470	8.4	6.820	
15			148	3121	8.4	7.087	→ leaky spigot
16			149	3085	8.4	7.116	
17							
18							
19							
20							
21							
22							
23							
24							

Nisk ID	Sample ID	Flask 2	Draw T 2 (°C)	OXY-2 (mL/L)	OXY-2 Comments
1					
2					
3		1402	8.8	3.017	
4					
5					
6					
7					
8					
9					
10					
11					
12					
13					
14					
15		3090	8.4	7.086	
16					
17					
18					
19					
20					
21					
22					
23					
24					

Bottle integrity: First test the top vent (V) by opening the lower spigot (S) then test the spigot by opening the vent. Mark 'x' in the appropriate column if either fails the integrity check and explain this in the comments column.

OCTOPUSSY

Dissolved Oxygen Analysis Log Sheet

Institute of Ocean Sciences
Water Properties Group

Last Updated: July 2015

IOS

Cruise and Analysis Information	
Cruise Number:	2017-63
Event:	62
Station:	39
Event Date (Local):	APR 11, 2017
Analysis Date (Local):	11 April 2017
Analyst:	KS
Stdization Date (Local):	10 April 2017
KIO_3 N:	0.0118360
Standard Titer:	0.49445
Blank Titer:	0.00042
THIO N:	0.24065
Sample Flask Water Seal?	(Yes) / No
Reagent Change? (Please circle reagent that was changed prior to sampling and standardization) NOTE NEW BATCH IN LOG BOOK	$MnCl_2$ / NaI/NaOH / H_2SO_4 / KIO_3 / THIO
Notes:	

Nisk ID	Nisk Int V	Nisk Int S	Sample ID	Flask 1	Draw T 1 (°C)	OXY-1 (mL/L)	OXY-1 Comments
1			151	3056	9.3	2.201	
2			152	1059	9.4	2.297	
3			153	3021	9.2	2.437	
4			154	2086	9.3	2.659	
5			155	3104	8.9	3.374	
6			156	2084	8.7	4.228	
7			157	3108	8.3	4.898	
8			158	3088	8.3	5.205	
9			159	3019	8.3	5.215	
10			160	2075	8.8	4.555	
11			161	639	8.5	4.764	⇒
12			162	715	8.5	4.886	
13			163	1002	8.4	5.304	
14			164	3035	8.4	5.871	
15			165	3061	8.5	6.320	
16			166	2073	8.5	6.509	
17			167	647	8.5	7.403	⇒ B drawn first - Sample has lots of particles. Slightly murky. O2V to 2.22V.
18							
19							
20							
21							
22							
23							
24							

Nisk ID	Sample ID	Flask 2	Draw T 2 (°C)	OXY-2 (mL/L)	OXY-2 Comments
1					
2					
3					
4					
5					
6					
7					
8					
9					
10					
11	161	1053	8.5	4.769	
12					
13					
14					
15					
16					
17	167	1054	8.5	7.384	- same as A w. low O2V.
18					
19					
20					
21					
22					
23					
24					

Bottle integrity: First test the top vent (V) by opening the lower spigot (S) then test the spigot by opening the vent. Mark 'x' in the appropriate column if either fails the integrity check and explain this in the comments column.

Dissolved Oxygen Analysis Log Sheet OCOPUS

Institute of Ocean Sciences
Water Properties Group

Last Updated: July 2015

Cruise and Analysis Information	
Cruise Number:	2017-63
Event:	76
Station:	27
Event Date (Local):	11 April 2017
Analysis Date (Local):	11 April 2017
Analyst:	KS
Stdization Date (Local):	10 April 2017
KIO_3 N:	0.0118860
Standard Titer:	0.49445
Blank Titer:	0.00042
THIO N:	0.24065
Sample Flask Water Seal?	(Yes) / No
Reagent Change? (Please circle reagent that was changed prior to sampling and standardization) NOTE NEW BATCH IN LOG BOOK	$MnCl_2$ / NaI/NaOH / H_2SO_4 / KIO_3 / THIO
Notes:	

Nisk ID	Nisk Int V	Nisk Int S	Sample ID	Flask 1	Draw T 1 (°C)	OXY-1 (mL/L)	OXY-1 Comments
1			176	3056	9.9	2.350	May have left a drop of Thio on t.p after flushing.
2			177	1059	9.4	2.473	
3			178	3021	9.5	2.730	
4			179	2086	9.1	3.278	
5			180	3104	9.0	3.784	
6			181	2084	8.7	4.295	
7			182	3108	8.5	4.747	
8			183	3088	8.8	4.542	
9			184A	3079	8.8	4.363	⇒
10			185	639	8.7	4.535	
11			186	1053	8.7	4.543	
12			187	715	8.6	4.698	
13			188	1002	8.7	4.908	
14			189	3035	8.6	5.882	
15			190A	3061	8.9	7.555	⇒
16			191	647	9.4	9.598	
17							
18							
19							
20							
21							
22							
23							
24							

Nisk ID	Sample ID	Flask 2	Draw T 2 (°C)	OXY-2 (mL/L)	OXY-2 Comments
1					
2					
3					
4					
5					
6					
7					
8					
9	184B	2075	8.7	4.366	
10					
11					
12					
13					
14					
15	190B	2073	8.9	7.560	EP is late. Needs adjustment.
16					
17					
18					
19					
20					
21					
22					
23					
24					

Bottle integrity: First test the top vent (V) by opening the lower spigot (S) then test the spigot by opening the vent. Mark 'x' in the appropriate column if either fails the integrity check and explain this in the comments column.

Dissolved Oxygen Analysis Log Sheet

Institute of Ocean Sciences
Water Properties Group

Sea Turtle

Last Updated: July 2015

IOS

Cruise and Analysis Information	
Cruise Number:	2017-63
Event:	85
Station:	2
Event Date (Local):	11 April 2017
Analysis Date (Local):	11 April 2017
Analyst:	KS
Stdization Date (Local):	10 April 2017
KIO_3 N:	0.0118860
Standard Titer:	0.49445
Blank Titer:	0.00042
THIO N:	0.24065
Sample Flask Water Seal?	(Yes) / No
Reagent Change? (Please circle reagent that was changed prior to sampling and standardization) NOTE NEW BATCH IN LOG BOOK	$MnCl_2$ / NaI/NaOH / H_2SO_4 / KIO_3 / THIO
Notes:	

Nisk ID	Nisk Int V	Nisk Int S	Sample ID	Flask 1	Draw T 1 (°C)	OXY-1 (mL/L)	OXY-1 Comments
1			196	1023	9.1	2.339	
2			197A	1472	9.2	2.433	=>
3			198	1402	8.7	3.402	
4			199	1035	8.6	4.052	
5			200A	3047	8.4	4.602	=>
6			201	1459	8.3	4.762	
7			202	1457	8.3	4.741	
8			203	1401	8.5	4.420	
9			204	1418	8.5	5.278	
10			205	650	8.5	5.981	
11			206	2035	8.5	6.286	
12			207	1019	8.5	6.882	
13			208	1470	8.7	7.313	
14			209	3121	8.8	7.797	
15			210	3090	9.1	8.544	Top cap leaking
16							
17							
18							
19							
20							
21							
22							
23							
24							

Nisk ID	Sample ID	Flask 2	Draw T 2 (°C)	OXY-2 (mL/L)	OXY-2 Comments
1					
2	197B	3110	9.1	2.438	
3					
4					
5	200B	1422	8.5	4.605	
6					
7					
8					
9					
10					
11					
12					
13					
14					
15					
16					
17					
18					
19					
20					
21					
22					
23					
24					

Bottle integrity: First test the top vent (V) by opening the lower spigot (S) then test the spigot by opening the vent. Mark 'x' in the appropriate column if either fails the integrity check and explain this in the comments column.

Dissolved Oxygen Analysis Log Sheet

Institute of Ocean Sciences
Water Properties Group

Last Updated: July 2015

IOS

Cruise and Analysis Information	
Cruise Number:	2017-63
Event:	94
Station:	BS17
Event Date (Local):	12-APR-17
Analysis Date (Local):	12 April 2017
Analyst:	KS
Stdization Date (Local):	12 April 2017
KIO_3 N:	0.0118860
Standard Titer:	0.49451
Blank Titer:	0.00044
THIO N:	0.24675
Sample Flask Water Seal?	(Yes) / No
Reagent Change? (Please circle reagent that was changed prior to sampling and standardization) NOTE NEW BATCH IN LOG BOOK	($MnCl_2$) #1702 / NaI/NaOH / ~~H_2SO_4~~ / ~~KIO_3~~ / THIO

Notes:

Nisk ID	Nisk Int V	Nisk Int S	Sample ID	Flask 1	Draw T 1 (°C)	OXY-1 (mL/L)	OXY-1 Comments	Nisk ID	Sample ID	Flask 2	Draw T 2 (°C)	OXY-2 (mL/L)	OXY-2 Comments
1			232	3056	8.3	5.073		1					
2			233	1059	8.4	5.059	→ B drawn first	2		3021	8.4	5.056	
3			234	2086	8.4	5.445		3					
4			235	3104	8.4	5.792		4					
5			236	2084	8.5	5.904		5					
6			237	3108	8.5	6.320		6					
7			238	3088	8.7	6.766	→	7		3019	8.7	6.771	
8			239	2075	9.3	8.364		8					
9								9					
10								10					
11								11					
12								12					
13								13					
14								14					
15								15					
16								16					
17								17					
18								18					
19								19					
20								20					
21								21					
22								22					
23								23					
24								24					

Bottle integrity: First test the top vent (V) by opening the lower spigot (S) then test the spigot by opening the vent. Mark 'x' in the appropriate column if either fails the integrity check and explain this in the comments column.

Dissolved Oxygen Analysis Log Sheet

Last Updated: July 2015

Institute of Ocean Sciences

Water Properties Group

Octopussy

Cruise and Analysis Information	
Cruise Number:	2017-63
Event:	97
Station:	6
Event Date (Local):	April 12/17
Analysis Date (Local):	12 April 2017
Analyst:	KS
Stdization Date (Local):	12 April 2017
KIO_3 N:	0.0118860
Standard Titer:	0.49451
Blank Titer:	0.00044
THIO N:	0.24075
Sample Flask Water Seal?	(Yes) / No
Reagent Change? (Please circle reagent that was changed prior to sampling and standardization) NOTE NEW BATCH IN LOG BOOK	($MnCl_2$) #1702; NaI/NaOH; ~~H_2SO_4~~; ~~KIO_3~~; THIO
Notes:	

Nisk ID	Nisk Int V	Nisk Int S	Sample ID	Flask 1	Draw T 1 (°C)	OXY-1 (mL/L)	OXY-1 Comments
1			2053	241	8.7	3.625	
2			715	242	8.6	4.115	
3			1002	243	8.5	4.255	
4			3035	244	8.3	4.743	
5			3016	245	8.7	4.068	⇒
6			647	246	8.6	4.621	
7			1054	247	8.5	6.064	
8			620	248	8.5	6.350	
9			631	249	8.5	6.499	
10			2095	250	8.5	6.591	
11			638	251	8.6	7.023	
12			657	252	8.6	7.239	
13			3007	253	8.8	8.044	B drawn first couple bubbles during reagent dispensing & left to see effect on reps
14							
15							
16							
17							
18							
19							
20							
21							
22							
23							
24							

Nisk ID	Sample ID	Flask 2	Draw T 2 (°C)	OXY-2 (mL/L)	OXY-2 Comments
1					
2					
3					
4					
5	~~245~~	2073	8.7	4.069	
6					
7					
8					
9					
10					
11					
12					
13	253	690	8.9	8.034	
14					
15					
16					
17					
18					
19					
20					
21					
22					
23					
24					

Bottle integrity: First test the top vent (V) by opening the lower spigot (S) then test the spigot by opening the vent. Mark 'x' in the appropriate column if either fails the integrity check and explain this in the comments column.

Dissolved Oxygen Analysis Log Sheet

Institute of Ocean Sciences
Water Properties Group

Last Updated: July 2015

IOS

Cruise and Analysis Information	
Cruise Number:	2017-63
Event:	107
Station:	12
Event Date (Local):	12-APR-2017
Analysis Date (Local):	12 April 17
Analyst:	KS
Stdization Date (Local):	12 April 17
KIO_3 N:	0.0118860
Standard Titer:	0.47451
Blank Titer:	0.00044
THIO N:	0.29075
Sample Flask Water Seal?	(Yes) / No
Reagent Change? (Please circle reagent that was changed prior to sampling and standardization) NOTE NEW BATCH IN LOG BOOK	$MnCl_2$ / NaI/NaOH / H_2SO_4 / KIO_3 / THIO
Notes:	

Nisk ID	Nisk Int V	Nisk Int S	Sample ID	Flask 1	Draw T 1 (°C)	OXY-1 (mL/L)	OXY-1 Comments
1			268	1429	9.3	2.529	
2			269	94	9.1	2.833	
3			270	1408	9.1	3.405	
4			271	2007	8.8	3.804	
5			272	3158	8.8	3.939	
6			273	2025	8.7	4.174	⇒
7		V	274	2017	/	/	EMPTY BOTTLE (NISKIN)
8			275	2016	8.7	4.138	
9			276	1465	8.7	4.196	
10			277	~~2051~~	8.5	5.266	
11			278	2015	8.5	6.107	
12			279	2027	8.6	6.662	⇒
13			280	2043	8.6	6.805	
14			281	2040	8.7	7.073	
15			282	2047	8.7	7.219	TOP CAP LEAKING. Rim is badly
16			283	3033	8.8	7.285	chipped.
17							
18							
19							
20							
21							
22							
23							
24							

Nisk ID	Sample ID	Flask 2	Draw T 2 (°C)	OXY-2 (mL/L)	OXY-2 Comments
1					
2					
3					
4					
5					
6	273	2019	8.7	4.177	
7					
8					
9					
10					
11					
12	279	2032	8.6	6.661	
13					
14					
15					
16					
17					
18					
19					
20					
21					
22					
23					
24					

Bottle integrity: First test the top vent (V) by opening the lower spigot (S) then test the spigot by opening the vent. Mark 'x' in the appropriate column if either fails the integrity check and explain this in the comments column.

Dissolved Oxygen Analysis Log Sheet SEA TURTLE

Institute of Ocean Sciences
Water Properties Group

Last Updated: July 2015

IOS

Cruise and Analysis Information	
Cruise Number:	2017-63
Event:	110
Station:	14
Event Date (Local):	12 April 2017
Analysis Date (Local):	12 April 2017
Analyst:	KS
Stdization Date (Local):	12 April 2017
KIO_3 N:	0.0118660
Standard Titer:	0.49451
Blank Titer:	0.00044
THIO N:	0.24075
Sample Flask Water Seal?	(Yes) / No
Reagent Change? (Please circle reagent that was changed prior to sampling and standardization) NOTE NEW BATCH IN LOG BOOK	$MnCl_2$ / NaI/NaOH / H_2SO_4 / KIO_3 / THIO
Notes:	

Nisk ID	Nisk Int V	Nisk Int S	Sample ID	Flask 1	Draw T 1 (°C)	OXY-1 (mL/L)	OXY-1 Comments
1			285	1023	9.3	2.912	
2			286	1472	9.2	3.237	
3			287A	3110	9.1	3.477	⇒
4			288	1035	8.9	3.766	
5			289	3047	8.9	3.970	
6			290	1422	8.7	4.194	
7			291	1459	8.9	4.072	
8			292	1457	8.9	4.256	
9			293	1401	8.6	5.360	
10			294A	1418	8.6	6.515	⇒
11			295	2035	8.6	6526	
12			296	1019	8.6	6.607	
13			297	1470	8.7	6.729	
14			298	3121	8.7	6.848	
15			~~298~~	~~3090~~	~~8.9~~	~~7.230~~	- Skipped 15. It is broken.
~~16~~			299	3090	8.9	7.230	SAMPLED FROM 3 OF 18 (SFC)
17			↗				
18							
19							
20							
21							
22							
23							
24							

Nisk ID	Sample ID	Flask 2	Draw T 2 (°C)	OXY-2 (mL/L)	OXY-2 Comments
1					
2					
3	287B	1402	9.1	3.480	
4					
5					
6					
7					
8					
9					
10	294B	650	8.1	6.514	
11					
12					
13					
14					
15					
16					
17					
18					
19					
20					
21					
22					
23					
24					

Bottle integrity: First test the top vent (V) by opening the lower spigot (S) then test the spigot by opening the vent. Mark 'x' in the appropriate column if either fails the integrity check and explain this in the comments column.

Dissolved Oxygen Analysis Log Sheet

Last Updated: July 2015

Institute of Ocean Sciences

~~Water Properties Group~~ Shark

IOS

Cruise and Analysis Information	
Cruise Number:	2017-63
Event:	116
Station:	16
Event Date (Local):	12 April 2017
Analysis Date (Local):	12 April 2017
Analyst:	KS
Stdization Date (Local):	12 April 2017
KIO_3 N:	0.0118860
Standard Titer:	0.49451
Blank Titer:	0.00044
THIO N:	0.24075
Sample Flask Water Seal?	(Yes) / No
Reagent Change? (Please circle reagent that was changed prior to sampling and standardization) NOTE NEW BATCH IN LOG BOOK	$MnCl_2$ / NaI/NaOH / H_2SO_4 / KIO_3 / THIO
Notes:	

Nisk ID	Nisk Int V	Nisk Int S	Sample ID	Flask 1	Draw T 1 (°C)	OXY-1 (mL/L)	OXY-1 Comments
1			302	1429	8.7	5.433	
2			303	94	8.8	5.258	
3			304A	1408	8.9	5.293	⇒ went back after sampling
4			305	3158	8.8	5.350	Niskin 2 accidentally.
5			306	2025	8.8	5.388	
6			307	2019	8.8	5.365	
7			308	2017	8.9	5.423	Curve noisy due to two large
8			309	2016	8.8	5.467	particles swirling around.
9			310	1465	8.8	5.504	
10			311A	2051	8.8	5.526	⇒
11			312	2027	8.8	5.521	
12							
13							
14							
15							
16							
17							
18							
19							
20							
21							
22							
23							
24							

Nisk ID	Sample ID	Flask 2	Draw T 2 (°C)	OXY-2 (mL/L)	OXY-2 Comments
1					
2					
3	304B	2007	8.8	5.288	B before A
4					
5					
6					
7					
8					
9					
10	311B	2015	8.8	5.529	
11					
12					
13					
14					
15					
16					
17					
18					
19					
20					
21					
22					
23					
24					

Bottle integrity: First test the top vent (V) by opening the lower spigot (S) then test the spigot by opening the vent. Mark 'x' in the appropriate column if either fails the integrity check and explain this in the comments column.

Sequiel

Dissolved Oxygen Analysis Log Sheet

Institute of Ocean Sciences

~~Water Properties Group~~

Last Updated: July 2015

IOS

Cruise and Analysis Information		Nisk ID	Nisk Int V	Nisk Int S	Sample ID	Flask 1	Draw T 1 (°C)	OXY-1 (mL/L)	OXY-1 Comments
Cruise Number:	2017-63	1			320	3056	8.7	5.352	
Event:	132	2			321	1059	8.7	5.374	
Station:	59	3			322	3021	8.7	5.372	
Event Date (Local):	13 April 2017	4			323	2086	8.7	5.374	→
Analysis Date (Local):	13 April 2017	5			324	2084	8.7	5.371	
Analyst:	KS	6			325	3108	8.7	5.604	
Stdization Date (Local):	12 April 2017	7			326	3088	8.7	5.639	
KIO_3 N:	0.0118860	8			327	3019	8.7	5.837	
Standard Titer:	0.49451	9			328	2075	8.7	5.702	
Blank Titer:	0.00044	10			329	639	8.7	5.745	
THIO N:	0.24075	11			330	1053	8.7	5.777	
Sample Flask Water Seal?	(Yes) / No	12			331	715	8.7	5938	
		13			332	1002	8.8	6.010	→
Reagent Change? (Please circle reagent that was changed prior to sampling and standardization) NOTE NEW BATCH IN LOG BOOK	$MnCl_2$ / NaI/NaOH / H_2SO_4 / KIO_3 / THIO	14			333	3061	8.9	6.011	
		15							
		16							
		17							
		18							
Notes:		19							
		20							
		21							
		22							
		23							
		24							

Nisk ID	Sample ID	Flask 2	Draw T 2 (°C)	OXY-2 (mL/L)	OXY-2 Comments
1					
2					
3					
4		3104	~~8.7~~	-99	Spilled ~40% of sample. Sample lost.
5					
6					
7					
8					
9					
10					
11					
12					
13		3035	8.7	6.011	
14					
15					
16					
17					
18					
19					
20					
21					
22					
23					
24					

Bottle integrity: First test the top vent (V) by opening the lower spigot (S) then test the spigot by opening the vent. Mark 'x' in the appropriate column if either fails the integrity check and explain this in the comments column.