Dissolved Oxygen Analysis Log Sheet

Institute of Ocean Sciences
Water Properties Group

Last Updated: July 2015

IOS

Cruise and Analysis Information	
Cruise Number:	2016 · 62
Event:	60
Station:	LD04
Event Date (Local):	03 · 09 · 16
Analysis Date (Local):	03 Sept. 2016
Analyst:	KS
Stdization Date (Local):	03 Sept 2016
KIO_3 N:	0.012298
Standard Titer:	0.52589
Blank Titer:	0.00016
THIO N:	0.23350
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:	BIG WHITE

Nisk ID	Nisk Int V	Nisk Int S	Sample ID	Flask 1	Draw T 1 (°C)	OXY-1 (mL/L)	OXY-1 Comments
1			187	1425	9.7	2.495	
2			188	1408	10.2	3.718	
3			189	1465	10.4	3.751	
4			190	3158	11.7	5.297	
5			191	2025	12.8	6.147	
6							
7							
8							
9							
10							
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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	187B	94	9.5	2.498	
2					
3					
4					
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

Last Updated: July 2015

IOS

Cruise and Analysis Information	
Cruise Number:	2016-62
Event:	62
Station:	LD08
Event Date (Local):	03 Sept. 2016
Analysis Date (Local):	03 Sept. 2016
Analyst:	KS
Stdization Date (Local):	03 Sept. 2016
KIO_3 N:	0.012~~2~~698
Standard Titer:	0.52589
Blank Titer:	0.00016
THIO N:	0.23350
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:	dinosaur

Nisk ID	Nisk Int V	Nisk Int S	Sample ID	Flask 1	Draw T 1 (°C)	OXY-1 (mL/L)	OXY-1 Comments
1			192	3079	6.9	0.331	
2			193	456	6.8	0.355	
3			194A	1406	7.3	1.005	⇒
4			195	3078	7.5	1.234	
5			196	3050	7.7	1.682	
6			197	196	7.8	1.743	
7			198	3005	8.0	2.015	
8			199	712	8.1	2.419	
9			200	3073	8.3	2.368	
10			201	1055	8.6	2.907	
11			202	396	8.9	3.083	
12			203	2089	9.1	3.426	EP. is late. Needs adjustment.
13			204	439	9.3	4.174	
14			205A	2060	9.7	4.264	⇒
15			206	3081	11.2	4.625	
16			207	505	13.3	6.049	
17			208	2068	14.2	6.089	Lots of stringy biological matter inside sample.. Curve was ok but slightly noisy.
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	194B	471	7.5	0.999	
4					
5					
6					
7					
8					
9					
10					
11					
12					
13					
14	205B	2065	9.6	4.265	
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

IOS

Cruise and Analysis Information	
Cruise Number:	2016-62
Event:	65
Station:	LDO9
Event Date (Local):	03 Sept. 2016
Analysis Date (Local):	03 Sept. 2016
Analyst:	KS
Stdization Date (Local):	03 Sept. 2016
KIO_3 N:	0.01227 698
Standard Titer:	0.52589
Blank Titer:	0.00016
THIO N:	0.23350
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	Nisk ID	Sample ID	Flask 2	Draw T 2 (°C)	OXY-2 (mL/L)	OXY-2 Comments
1			211 A	557	6.4	0.227	Note Nisk II's	1	211 B	3025	6.4	-99.000	messed up analysis by
2			216 A	3192	9.2	3.183		2	216 B	3040	9.2	3.183	inadvertently over-titrating. Sample lost.
3			217 A	3013	6.0	0.226		3	217 B	3093	6.0	0.221	
4			218 A	3038	8.9	3.190		4	218 B	708	9.0	3.192	
5			219 A	575	6.1	0.249		5	219 A	611	6.1	0.246	
6			220 A	510	5.9	0.245		6	220 B	3053	6.1	0.239	
7			221 A	745	8.9	3.187		7	221 B	3034	9.1	3.188	
8			222 A	612	9.1	3.193		8	222 B	2098	9.2	3.188	
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

Institute of Ocean Sciences
Water Properties Group

Last Updated: July 2015

IOS

Cruise and Analysis Information	
Cruise Number:	2016-62
Event:	72
Station:	LG06
Event Date (Local):	04/09/2016
Analysis Date (Local):	04 Sept. 2016
Analyst:	KS
Stdization Date (Local):	03 Sept. 2016
KIO_3 N:	0.012276~~3~~698
Standard Titer:	0.52589
Blank Titer:	0.00016
THIO N:	0.23350
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:	SWALLOW LABELLED RIGHT TO LEFT 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			229	3093	6.3	0.227	
2			230	3013	6.5	0.300	
3			231A	3040	7.0	0.880	
4			232	3025	7.2	1.088	
5			233	557	7.6	1.788	
6			234	3053	7.9	2.036	- Inadvertently OT sample when it didn't need it.
7			235	510	8.1	2.273	
8			236	611	8.4	2.577	
9			237	575	8.6	2.959	
10			238	708	8.9	3.502	
11			239	3038	9.2	3.754	
12			240	2099	9.7	3.990	
13			241	586	10.4	5.432	
14			242A	2098	11.7	5.861	
15			243	3034	12.4	5.975	
16			244	745	13.7	6.140	
17			245	3175	14.5	6.185	
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	231B	3192	7.1	0.879	
4					
5					
6					
7					
8					
9					
10					
11					
12					
13					
14	242B	612	11.7	5.863	
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:	2016 - 62
Event:	74
Station:	LG04
Event Date (Local):	4 Sept 2016
Analysis Date (Local):	4 Sept. 2016
Analyst:	KS
Stdization Date (Local):	3 Sept 2016
KIO_3 N:	0.012268 698
Standard Titer:	0.52589
Blank Titer:	0.00016
THIO N:	0.23350
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			246	3043	8.3	1.376	
2			247	3162	8.2	1.404	
3			248	3096	8.6	2.489	
4			249	2097	8.8	3.109	
5			250	570	8.9	2.167	
6			251A	3023	10.0	3.361	
7			252	3083	10.7	3.864	
8			253	528	13.1	5.603	
9			254	3002	14.9	6.490	
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					
5					
6	251 B	3161	9.9	3.360	
7					
8					
9					
10					
11					
12					
13					
14					
15					
16					
17					
18					
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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:	2016-62
Event:	77
Station:	LG02
Event Date (Local):	4 Sept 2016
Analysis Date (Local):	04 Sept. 2016
Analyst:	KS
Stdization Date (Local):	03 Sept. 2016
KIO_3 N:	0.012298 698
Standard Titer:	0.52589
Blank Titer:	0.00016
THIO N:	0.23350
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			255	569	8.5	1.958	
2			256A	3132	8.9	2.266	
3			257	2014	10.2	2.958	
4			258	3028	11.1	4.243	
5			259	3022	11.5	4.629	
6			260	3134	13.0	6.901	
7			261	3133	13.5	6.790	
8							
9							
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	256B	3129	8.9	2.279	::
3					
4					
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

Last Updated: July 2015

IOS

Cruise and Analysis Information	
Cruise Number:	2016 - 62
Event:	LG01
Station:	79
Event Date (Local):	4 Sept 2016
Analysis Date (Local):	04 Sept 2016
Analyst:	KS
Stdization Date (Local):	03 Sept 2016
KIO_3 N:	0.012298 698
Standard Titer:	0.52589
Blank Titer:	0.00016
THIO N:	0.23350
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			262	3193	10.6	3.713	
2			263A	3126	10.7	3.814	???
3			264	3147	11.8	5.060	
4			265	3144	12.5	6.592	
5			266	3150	13.3	7.853	
6							
7							
8							
9							
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	263B	3125	10.7	3.638	???
3					
4					
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

Last Updated: July 2015

IOS

Cruise and Analysis Information	
Cruise Number:	2016-62
Event:	95
Station:	LBP7
Event Date (Local):	05 Sept. 2016
Analysis Date (Local):	05 Sept. 2016
Analyst:	KS
Stdization Date (Local):	05 Sept. 2016
KIO_3 N:	0.01227 ~~698~~
Standard Titer:	0.52597
Blank Titer:	0.00029
THIO N:	0.23353
Sample Flask Water Seal?	(Yes) / No (restandardized)
Reagent Change? (Please circle reagent that was changed prior to sampling and standardization) NOTE NEW BATCH IN LOG BOOK	$MnCl_2$ / (NaI/NaOH) 1601 / H_2SO_4 / KIO_3 see notebook / THIO
Notes:	Bird

Nisk ID	Nisk Int V	Nisk Int S	Sample ID	Flask 1	Draw T 1 (°C)	OXY-1 (mL/L)	OXY-1 Comments
1			273	557	5.6	1.355	
2			274	3025	5.5	1.355	
3			275	3192	5.7	0.685	
4			276	3040	6.0	0.349	
5			277	3013	6.3	0.241	
6			278A	3093	6.5	0.262	=)
7			279	708	7.0	0.747	
8			280	575	7.1	1.302	
9			281	611	7.5	1.781	
10			282	510	7.6	1.972	
11			283	3053	7.8	2.282	
12			284	745	7.9	2.755	
13			285	3034	8.0	2.957	
14			286	612	8.3	3.413	
15			287	2098	8.7	4.142	
16			288A	586	8.8	3.391	=)
17			289	3043	9.6	3.883	← Odd step in curve near end point.
18			290	3162	10.1	5.529	Sample over-titrated. OT was good.
19			291	3096	11.3	5.457	
20			292	2097	13.1	6.132	
21			293	570	14.6	6.312	
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	278B	3038	6.6	0.257	
7					
8					
9					
10					
11					
12					
13					
14					
15					
16	288B	2099	8.8	3.396	
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:	2016-62
Event:	98
Station:	LBPS
Event Date (Local):	5 SEPT 2016
Analysis Date (Local):	05 Sept 2016
Analyst:	KS
Stdization Date (Local):	05 Sept 2016
KIO_3 N:	0.0122~~698~~
Standard Titer:	0.52597
Blank Titer:	0.00029
THIO N:	0.23353
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			294	1429	5.9	0.481	
2			295	94	5.9	0.455	
3			296	1408	6.1	0.345	
4			297	1465	6.5	0.343	
5			298	3158	7.2	1.061	
6			299A	2025	7.3	1.250	
7			300	2017	7.5	1.587	
8			301	2016	7.8	1.864	
9			302	2015	8.0	2.113	
10			303	2007	8.1	2.216	
11			304	2027	8.3	2.431	
12			305	2032	8.5	2.737	
13			306	2043	8.7	3.336	
14			307	2040	8.9	3.568	
15			308	2047	9.3	4.000	
16			309A	2051	10.0	4.101	
17			310	3032	11.4	5.464	
18			311	3020	14.8	6.599	
19			312	3058	14.9	6.604	Spigot leaking
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	299B	2019	7.5	1.251	
7					
8					
9					
10					
11					
12					
13					
14					
15					
16	309B	3033	9.9	4.104	
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:	2016-62
Event:	101
Station:	LBP3
Event Date (Local):	05 Sept. 2016
Analysis Date (Local):	05 Sept. 2016
Analyst:	KS
Stdization Date (Local):	05 Sept. 2016
KIO_3 N:	0.012298 698
Standard Titer:	0.52597
Blank Titer:	0.00029
THIO N:	0.23353
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:	Bender.

Nisk ID	Nisk Int V	Nisk Int S	Sample ID	Flask 1	Draw T 1 (°C)	OXY-1 (mL/L)	OXY-1 Comments
1			313	569	8.7	2.610	
2			314	3132	8.5	2.710	
3			315	3129	8.8	3.004	
4			316	2014	8.8	3.196	
5			317	3028	9.0	3.523	
6			318A	3022	9.5	4.070	=7
7			319	3133	11.5	5.715	
8			320	3135	13.6	6.265	
9			321	3193	13.9	6.289	
10		X	322	3125	14	6.292	
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					
5					
6	318B	3134	9.5	4.069	
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

swallow

Last Updated: July 2015

IOS

Cruise and Analysis Information	
Cruise Number:	2016-62
Event:	CS00
Station:	113
Event Date (Local):	6 sept 2016
Analysis Date (Local):	6 Sept. 2016
Analyst:	KS
Stdization Date (Local):	5 Sept 2016
KIO_3 N:	0.0122698
Standard Titer:	0.52597
Blank Titer:	0.00029
THIO N:	0.23353
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	Nisk ID	Sample ID	Flask 2	Draw T 2 (°C)	OXY-2 (mL/L)	OXY-2 Comments
1			324	557	6.3	1.303		1					
2			325	3025	6.2	0.635		2					
3			326	3192	6.3	0.362		3					
4			327	3040	6.5	0.267		4					
5			328 A	3013	6.8	0.340		5	328 B	3093	7.0	0.332	
6			329	3038	7.1	0.912		6					
7			330	708	7.4	1.324		7					
8			331	575	7.7	1.996		8					
9			332	611	8.0	2.456		9					
10			333	510	8.3	2.861		10					
11			334	3053	8.5	3.078		11					
12			335A	745	8.7	3.417		12	335 B	3034	8.8	3.417	
13			336	C12	9.1	3.785		13					
14			337	2098	9.4	4.413		14					
15			338	586	9.9	4.791	nine-point fucking nine (Frank accent)	15					
16			339	2099	11.3	5.512		16					
17			340	3043	14.1	6.078		17					
18			341 A	3162	15.8	6.085		18	341 B	3096	15.7	5.905	Incorrect flask ID used. Must recalc. with 3096
19			342	2097	17.5	5.749		19					
20			343	570	17.7	5.747		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

NEBSIC

Institute of Ocean Sciences
Water Properties Group

Last Updated: July 2015

IOS

Cruise and Analysis Information	
Cruise Number:	2016-62
Event:	118
Station:	CS02
Event Date (Local):	6 SEPT 2016
Analysis Date (Local):	06 Sept. 2016
Analyst:	KS
Stdization Date (Local):	05 Sept. 2016
KIO_3 N:	0.0122698
Standard Titer:	0.52597
Blank Titer:	0.00029
THIO N:	0.23353
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	Nisk ID	Sample ID	Flask 2	Draw T 2 (°C)	OXY-2 (mL/L)	OXY-2 Comments
1			344	3079	5.8	1.272		1					
2			345	456	5.9	0.638		2					
3			346	1406	6.1	0.354		3					
4			347	471	6.4	0.248		4					
5			348A	3078	6.7	[illegible]	0.308	5	348B	3050	6.8	0.305	
6			349	196	7.1	0.838		6					
7			350	3005	7.4	1.228		7					
8			351	712	7.7	1.539		8					
9			352	3073	7.9	1.978		9					
10			353	1055	8.2	2.520		10					
11			354	396	8.3	2.665		11					
12			355A	2089	8.6	3.043		12	355B	439	8.6	3.040	
13			356	2060	9.0	3.419		13					
14			357	2065	9.2	3.554		14					
15			358	3081	9.2	3.975		15					
16			359	505	9.6	4.476		16					
17			360	2068	10.4	4.986		17					
18			361A	2055	12.4	5.607		18	361B	3137	12.3	5.614	
19			362	3124	13.9	6.100		19					
20			363	1407	15.1	6.380		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

Bender

Institute of Ocean Sciences
Water Properties Group

Last Updated: July 2015

IOS

Cruise and Analysis Information	
Cruise Number:	2016-62
Event:	123
Station:	CS04
Event Date (Local):	06 Sept. 2016
Analysis Date (Local):	07 Sept. 2016
Analyst:	KS
Stdization Date (Local):	07 Sept. 2016
KIO_3 N:	0.0122698
Standard Titer:	0.52595
Blank Titer:	0.00024
THIO N:	0.23350
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 — Did not
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			364	569	10.1	4.121	
2			365	3132	10.6	4.425	
3			366	3129	10.8	4.621	
4			367A	2014	11.1	4.783	
5			368	3022	11.2	4.802	
6			369	3134	11.5	4.930	
7			370	3133	12.0	5.119	
8							
9							
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	367B	3028	11.1	4.783	
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

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Last Updated: July 2015

IOS

Cruise and Analysis Information	
Cruise Number:	2016-62
Event:	CS06
Station:	133
Event Date (Local):	7 Sept 2016
Analysis Date (Local):	07 Sept. 2016
Analyst:	KS
Stdization Date (Local):	07 Sept. 2016
KIO_3 N:	0.0122698
Standard Titer:	0.52595
Blank Titer:	0.00024
THIO N:	0.23350
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			371	3079	9.7	3.829	
2			372A	456	10.1	4.131	⇒
3			373	471	10.8	4.793	
4			374	196	11.7	5.767	
5			375	3078	12.3	5.913	
6			376	3050	12.5	5.925	
7							
8							
9							
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	372B	1406	10.1	4.128	
3					
4					
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

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Water Properties Group

Last Updated: July 2015

IOS

Cruise and Analysis Information	
Cruise Number:	2016-62
Event:	139
Station:	CS09
Event Date (Local):	07 Sept. 2016
Analysis Date (Local):	07 Sept. 2016
Analyst:	KS
Stdization Date (Local):	07 Sept. 2016
KIO_3 N:	0.0122698
Standard Titer:	0.5259
Blank Titer:	0.00024
THIO N:	0.23350
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			377	3056	8.0	2.181	- Slow drip. leaky vent.
2			378	1059	8.0	2.228	
3			379	3021	8.0	~~2.250~~	2.250
4			380	2086	8.1	~~3.049~~	2.423
5			381	3104	8.7	~~3~~	3.049
6			382	3108	9.2	3.541	
7			383	3088	10.2	3.945	⇒
8			384	2075	11.4	4.587	
9			385	639	12.3	4.972	
10			386	1053	14.1	6.183	
11			387	715	14.83	6.232	
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					
5					
6					
7	383	3019	10.2	3.949	
8					
9					
10					
11					
12					
13					
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16					
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19					
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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.