Dissolved Oxygen Analysis Log Sheet

Institute of Ocean Sciences
Water Properties Group

Last Updated: July 2015

IOS

Cruise and Analysis Information	
Cruise Number:	2017-01
Event:	119
Station:	39
Event Date (Local):	19 FEB 2017
Analysis Date (Local):	19/20 FEB 2017
Analyst:	MB
Stdization Date (Local):	19 FEB 2017
KIO_3 N:	0.011978
Standard Titer:	0.4981
Blank Titer:	0.004
THIO N:	0.240634
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:

whale + turtle.

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			684	2091	9.5	2.293		1					
2			685A	3089	9.5	2.367		2	685B	2088	9.5	2.351	
3			686	3054	9.5	2.449		3					
4			687	2090	9.4	2.630		4	689				
5			688	371	9.1	3.290		5	69				
6			689	3100	8.9	3.940		6					
7			690	3124	8.5	4.738		7					
8			691	3075	8.1	5.479		8					
9			692	3076	8.2	5.284		9					
10			693	3010	8.3	5.231		10					
11			694A	3041	8.6	4.953		11	694B	3116	8.7	4.962	
12			695	1402	8.7	4.936		12					
13			696	1472	8.3	5.583		13					
14			697	1023	8.0	6.167		14					
15			698	3047	7.8	6.364		15					
16			699	1035	7.5	6.755	low end point.	16					
17			700	1459	7.4	6.966		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:	2017-01
Event:	124
Station:	27
Event Date (Local):	20FEB2017
Analysis Date (Local):	20FEB2017
Analyst:	MB
Stdization Date (Local):	19FEB2017
KIO_3 N:	0.011978
Standard Titer:	0.4981
Blank Titer:	0.0004
THIO N:	0.240654
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:	TUFFLE

Nisk ID	Nisk Int V	Nisk Int S	Sample ID	Flask 1	Draw T 1 (°C)	OXY-1 (mL/L)	OXY-1 Comments
1			712	1422	9.6	2.396	
2			713	650	9.6	2.453	
3			714	1418	9.5	2.620	
4			715	1401	9.1	3.555	
5			716	1457	9.0	3.911	
6			717	3121	8.7	4.549	
7			718	1470	8.7	4.652	
8			719	1019	8.7	4.804	
9			720A	2035	8.8	4.741	
10			721	3085	9.2	4.419	
11			722	3084	9.2	4.419	
12			723	3080	9.1	4.446	
13			724	3070	8.6	5.334	
14			725	3068	8.0	6.380	
15			726A	2069	7.8	6.569	
16			727	3048	7.8	6.575	
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	720B	3091	08.8	4.725	
10					
11					
12					
13					
14					
15	726B	3464	7.8	6.573	
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:	2017-01
Event:	125
Station:	2
Event Date (Local):	20FEB2017
Analysis Date (Local):	20FEB2017
Analyst:	MS
Stdization Date (Local):	19FEB2017
KIO_3 N:	0.011978
Standard Titer:	0.4981
Blank Titer:	0.0004
THIO N:	0.240634
Sample Flask Water Seal?	Yes (circled) / 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:	turtle 728–730 & Bender 731–742

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			728	3111	9.5	2.403		1					
2			729A	3099	9.4	2.548	=7	2	729B	3134	9.4	2.542	
3			730	1015	9.2	3.152		3					
4			731	3148	9.0	3.647		4					
5			732A	3145	8.7	4.259	=7	5	732B	3190	8.7	4.258	
6			733	3126	8.6	4.548		6					
7			734	3129	8.6	4.643		7					
8			735	3135	8.9	4.323		8					
9			736	3125	8.6	4.697		9					
10			737	3132	8.3	5.355		10					
11			738	3072	7.9	6.046		11					
12			739	3138	7.7	6.239		12					
13			740	3142	7.7	6.468		13					
14			741	3028	7.6	6.518		14					
15			742	3144	7.6	6.523		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.

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Water Properties Group

Last Updated: July 2015

IOS

Cruise and Analysis Information	
Cruise Number:	2017-01
Event:	127
Station:	CPF2
Event Date (Local):	20FEB2017
Analysis Date (Local):	21FEB2017
Analyst:	MB
Stdization Date (Local):	19FEB2017
KIO_3 N:	0.011978
Standard Titer:	0.4981
Blank Titer:	0.0004
THIO N:	0.240634
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:	swordfish

Nisk ID	Nisk Int V	Nisk Int S	Sample ID	Flask 1	Draw T 1 (°C)	OXY-1 (mL/L)	OXY-1 Comments
1			743	547	9.5	2.309	leaky bottom
2		✓	744	437	9.3	3.273	
3		✓	745	438	9.2	3.856	
4			746	3199	9.2	3.940	bit leaky
5			747	3131	9.2	3.845	⇒
6			748	3031	9.0	4.155	
7			749	3176	8.9	4.584	⇒
8			750	339	8.7	4.908	
9			751	3155	8.4	5.480	
10			752	3120	8.3	5.742	
11			753	3044	8.0	6.017	
12			754	435	7.9	6.219	
13			755	3170	7.8	6.324	
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	747	3109	9.2	3.846	
6					
7	749	3091	8.9	4.581	
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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IOS

Cruise and Analysis Information	
Cruise Number:	2017 -01
Event:	132
Station:	14
Event Date (Local):	?
Analysis Date (Local):	22 Feb 2017
Analyst:	MB KS
Stdization Date (Local):	22 Feb 2017
KIO_3 N:	0.0119758
Standard Titer:	0.49801
Blank Titer:	0.00050
THIO N:	0.24056
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:	turtle

Nisk ID	Nisk Int V	Nisk Int S	Sample ID	Flask 1	Draw T 1 (°C)	OXY-1 (mL/L)	OXY-1 Comments
1			772	3110	9.3	2.477	
2			773	1402	9.3	2.814	
3			774	1472	9.2	2.945	⇒
4			775	3047	9.1	3.083	
5			776	1035	9.1	3.203	
6			777	1459	9.1	3.392	
7			778	1422	9.1	3.606	
8			779	650	8.8	3.890	
9			780	1418	8.1	5.087	
10			781	1401	8.0	5.225	⇒
11			782	3121	8.0	5.405	→ add precipitate texture. Very fluffy and abnormal colour. Reagents added in reverse?
12			783	1470	7.9	5.567	
13			784	1019	7.7	6.050	
14			785	2035	7.3	6.549	
15			786	3090	7.2	6.636	
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	774	1023	9.3	2.935	
4					
5					
6					
7					
8					
9					
10	781	1457	8.1	5.225	
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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Last Updated: July 2015

IOS

Cruise and Analysis Information	
Cruise Number:	2017-01
Event:	129
Station:	12
Event Date (Local):	?
Analysis Date (Local):	22 Feb 2017
Analyst:	MB KS
Stdization Date (Local):	22 Feb 2017
KIO_3 N:	0.01196758
Standard Titer:	0.49801
Blank Titer:	0.00050
THIO N:	0.24056
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:	octopus

Nisk ID	Nisk Int V	Nisk Int S	Sample ID	Flask 1	Draw T 1 (°C)	OXY-1 (mL/L)	OXY-1 Comments
1			756	3056	9.1	~~2.599~~	2.365
2			757	1059	9.1	2.599	
3			758	3021	8.9	2.952	
4			759	2086	8.9	3.166	
5			760	3104	8.7	3.784	
6			761	2084	8.5	4.145	=>
7			762	3082	8.7	4.170	
8			763	3019	8.9	3.789	very slow drip
9			764	2075	8.6	4.101	
10			765	639	8.5	4.490	
11			766	1053	8.4	4.859	OT -> 1st titration ran on.
12			767	715	8.3	5.190	=>
13			768	3035	8.1	5.514	slow drip
14			769	3061	7.9	6.027	
15			770	2073	7.9	6.138	
16			771	647	7.9	6.146	
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	761	3108	8.6	4.148	
7					
8					
9					
10					
11					
12	767	1002	8.3	5.192	
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:	2017-01
Event:	133
Station:	BS-11
Event Date (Local):	
Analysis Date (Local):	22 Feb 2017
Analyst:	KS
Stdization Date (Local):	22 Feb 2017
KIO_3 N:	0.0119758
Standard Titer:	0.49801
Blank Titer:	0.00050
THIO N:	0.24056
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:	turtle

Nisk ID	Nisk Int V	Nisk Int S	Sample ID	Flask 1	Draw T 1 (°C)	OXY-1 (mL/L)	OXY-1 Comments
1			787	3084	8.8	4.709	~~i~~. Spilled 3-5 mL prior to analysis.
2			788	3080	8.7	4.975	
3			789	3070	8.6	5.123	
4			790	3068	8.3	5.329	
5			791	2069	8.2	5.590	
6			792	3164	8.2	5.709	
7			793	3048	8.2	5.875	
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					
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.

LOOP SAMPLES

Dissolved Oxygen Analysis Log Sheet

Institute of Ocean Sciences
Water Properties Group

Last Updated: July 2015

IOS

Cruise and Analysis Information																
Cruise Number: 2017-01	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
Event: 18/32/50	1			5018A	547	8.9	6.781	5018 A Redraw Analyzed 8 FEB 2017	1	5018B	437	8.9	6.918	
Station: P4/P20/P26/P16/P12/P8 P4 Return 02	2			5032A	547	7.3	7.361		2	5032B	437	7.3	7.416	
Event Date (Local): Feb 2017	3			5050A	547	6.5	7.360		3	5050B	437	6.5	7.323	Over-titrated
Analysis Date (Local): Feb 2017	4			5068A	543	8.0	7.078		4	5068B	437	8.0	7.049	
Analyst: MB	5			5076	547	8.1	6.958		5	5076B	437	8.1	6.998	
Stdization Date (Local): Feb 2017	6			5090A	547	8.5	6.867		6	5090B	437	8.5	6.874	
KIO_3 N: 0.0119758	7			5099A	547	9.0	6.896		7	5099B	437	9.0	6.712	
Standard Titer:	8			5105A	438	9.5?	6.641		8	5105B	3199	9.5?	6.689	
Blank Titer:	9								9					
THIO N:	10								10					
Sample Flask Water Seal? (Yes) No	11								11					
	12								12					
Reagent Change? $MnCl_2$	13								13					
(Please circle reagent that was changed prior to sampling and standardization) NOTE NEW BATCH IN LOG BOOK NaI/NaOH	14								14					
H_2SO_4	15								15					
KIO_3	16								16					
THIO	17								17					
	18								18					
Notes:	19								19					
Forgot to put draw temps in bay files for 5018	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.