Dissolved Oxygen Analysis Log Sheet

Institute of Ocean Sciences
Water Properties Group

Last Updated: January 2017

IOS

Cruise and Analysis Information	
Cruise Number:	2018-01
Event:	13
Station:	P1
Event Date (Local):	Feb 20
Analysis Date (Local):	22FEB2018
Analyst:	MB
Stdization Date (Local):	22FEB2018
KIO_3 N:	0.011833
Standard Titer:	0.4918
Blank Titer:	0.0005
THIO N:	0.24089
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	1059	8.8	2.527	
2	✓	✓	2	3056	9.8	6.335	
3	✓	✓	3A	3021	9.7	6.346	
4							
5							
6							
7							
8							
9							
10							
11							
12							
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22							
23							
24							

Nisk ID	Sample ID	Flask 2	Draw T 2 (°C)	OXY-2 (mL/L)	OXY-2 Comments
1					
2					
3	3B	3150	9.8	6.348	
4					
5					
6					
7					
8					
9					
10					
11					
12					
13					
14					
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22					
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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

Some strange curves and poor dups - problem with analysis suspected.

Last Updated: January 2017

IOS

Cruise and Analysis Information	
Cruise Number:	2018-01
Event:	14
Station:	Q2
Event Date (Local):	Feb 20, 2018
Analysis Date (Local):	22FEB 2018
Analyst:	MB
Stdization Date (Local):	22FEB 2018
KIO_3 N:	0.011833
Standard Titer:	0.4918
Blank Titer:	0.0005
THIO N:	0.24089
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	✓	✓	5	1053	8.1	2.192	
2	✓	✓	6a	3134	8.1	2.241	
3	✓	✓	7	2073	9.2	3.417	
4	✓	✓	8	620	9.3	3.352	Weird curve, over-titrated.
5	✓	✓	9	3034	10.1	5.933	top didn't close
6	✓	✓	10	2081	9.5	5.630	over-titrate, weird curve.
7	✓	✓	11	715	8.9	6.532	
8	✓	✓	12a	1002	8.9	5.906	weird curve, OT
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	6b	639	8.1	2.325	POOR DUPLICATE
3					
4					
5					
6					
7					
8	12b	3035	8.9	6.146	POOR DUPLICATE
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: January 2012

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	Nisk ID	Sample ID	Flask 2	Draw T 2 (°C)	OXY-2 (mL/L)	OXY-2 Comments
Cruise Number:	2018-01	1			58	528	5.0	0.488		1					
Event:	20	2			59	3128	5.1	0.416		2					
Station:	P4	3			60A	3114	5.2	0.413	=) slight drip due to top cap	3	60B	3013	5.4	0.422	
Event Date (Local):	20 Feb 18	4			61	3093	5.6	0.250		4					
Analysis Date (Local):	22 FEB 2018	5			62	2098	5.9	0.230		5					
Analyst:	MB	6			63	708	6.3	0.464		6					
Stdization Date (Local):	22FEB2018	7			64	3146	6.8	1.007		7					
KIO_3 N:	0.011833	8			65	611	7.4	1.665		8					
Standard Titer:	0.4918	9			66	510	7.7	1.947		9					
Blank Titer:	0.0005	10			67	3053	8.0	2.474		10					
THIO N:	0.24089	11			68A	745	8.3	2.667	=)	11	68B	3138	8.3	2.626	
Sample Flask Water Seal?	Yes / (No)	12			69	612	8.6	2.930		12					
		13			70	3036	8.8	3.092		13					
Reagent Change?	$MnCl_2$	14			71	3209	8.9	3.374		14					
(Please circle reagent that was changed prior to sampling and standardization) NOTE NEW BATCH IN LOG BOOK	NaI/NaOH	15			72	3129	9.0	4.001		15					
	H_2SO_4	16			73	3043	9.0	6.620	drip	16					
	KIO_3	17			74	570	9.2	6.546		17					
	THIO	18			75	3175	9.3	6.603	drip	18					
Notes: Sparrow		19			76A	3023	9.3	6.603	=)	19	76B	3161	9.3	6.610	
		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

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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	Nisk ID	Sample ID	Flask 2	Draw T 2 (°C)	OXY-2 (mL/L)	OXY-2 Comments
Cruise Number:	2018-01	1			112	2075	4.6	1.316		1					
Event:	32	2			113	3061	4.7	0.687		2					
Station:	P8	3			114	647	5.0	0.403		3					
Event Date (Local):	21FEB2018	4			115	3108	5.4	0.257		4					
Analysis Date (Local):	22FEB2018	5			116	1054	5.8	0.220		5					
Analyst:	MB	6			117	631	6.7	0.416	⇒	6	117	3125	6.7	0.404	
Stdization Date (Local):	22FEB2018	7			118	638	7.0	0.987		7					
KIO_3 N:	0.011833	8			119	657	7.1	1.921		8					
Standard Titer:	0.24089	9			120	3007	7.5	2.632		9					
Blank Titer:	0.0005	10			121	690	8.1	2.459		10					
THIO N:	0.24089	11			122	2097	8.3	2.700		11					
Sample Flask Water Seal?	Yes	12			123	2085	8.6	2.883		12					
	(No)	13			124	622	9.3	3.451	⇒	13	124	3072	9.3	3.448	
Reagent Change?	$MnCl_2$	14			125	3076	9.1	6.560		14					
(Please circle reagent that was changed prior to sampling and standardization) NOTE NEW BATCH IN LOG BOOK	NaI/NaOH	15			126	3106	9.1	6.581		15					
	H_2SO_4	16			127	2092	9.1	6.578		16					
	KIO3	17			128	1442	9.3	6.538		17					
	THIO	18			129	3145	9.3	6.521		18					
Notes:		19			130	2020	9.3	6.554		19					
		20			131	3135	9.3	6.588	⇒	20	131	3089	9.3	6.588	
		21			132	3074	9.3	6.567		21					
		22			133	3055	9.3	6.565		22					
		23			134	3094	9.3	6.565		23					
		24			135					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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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	Nisk ID	Sample ID	Flask 2	Draw T 2 (°C)	OXY-2 (mL/L)	OXY-2 Comments
Cruise Number:	2018-01	1			136	3036	3.8	2.312		1					
Event:	~~33~~ 37	2			137	3106	3.7	2.303		2					
Station:	P12	3			138	2092	3.8	2.301		3					
Event Date (Local):	Feb 22, 2018	4			139a	1442	3.8	1.919		4	139b	3145	4.0	1.913	
Analysis Date (Local):	23FEB2018	5			140	2020	4.3	1.306		5					
Analyst:	MB	6			141	3135	4.8	0.611		6					
Stdization Date (Local):	22FEB18	7			142	3089	5.3	0.330	OT'd	7					
KIO_3 N:	0.011833	8			143	3074	5.7	0.241		8					
Standard Titer:	0.4918	9			144a	3055	6.1	0.277		9	144b	3094	6.2	0.279	
Blank Titer:	0.005	10			145	3052	6.5	0.506		10					
THIO N:	0.24089	11			146	3065	7.3	1.079		11					
Sample Flask Water Seal?	(Yes) / No	12			147	3101	7.5	1.578		12					
Reagent Change?	$MnCl_2$	13			148a	3147	8.0	2.028		13	148b	458	8.1	2.026	
(Please circle reagent that was changed prior to sampling and standardization) NOTE NEW BATCH IN LOG BOOK	NaI/NaOH	14			149	3103	8.3	2.607		14					
	H_2SO_4	15			150	3098	8.9	2.900		15					
	KIO_3	16			151	1312	8.9	3.156		16					
	THIO	17			152	3133	9.2	3.635		17					
		18			153	371	9.1	4.286		18					
Notes:		19			154a	2090	9.4	6.477		19	154b	3054	9.5	6.483	
		20			155	2088	9.3	6.608		20					
		21			156	3096	9.3	6.578		21					
		22			157	3075	9.3	6.588		22					
		23			158	3127	9.4	6.601		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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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	Nisk ID	Sample ID	Flask 2	Draw T 2 (°C)	OXY-2 (mL/L)	OXY-2 Comments
Cruise Number:	2018-01	1			227	528	3.6	3.191		1					
Event:	53	2			228	3148	3.3	3.146		2					
Station:	P26	3			229A	3114	3.5	2.900		3	229B	3013	3.7	2.902	
Event Date (Local):	26FEB2018	4			230	3093	3.6	2.487		4					
Analysis Date (Local):	27FEB 2018	5			231	2098	3.7	1.865		5					
Analyst:	MB	6			232	708	3.9	1.185		6					
Stdization Date (Local):	27FEB2018	7			233	3146	4.2	0.578		7					
KIO_3 N:	0.011833	8			234	611	4.6	0.393		8					
Standard Titer:	0.4918	9			235	510	5.0	0.446		9					
Blank Titer:	0.0005	10			236A	3053	5.4	0.550		10	236B	745	5.4	0.880	Strange 1ST curve OT'd bad result
THIO N:	0.240587	11			237	3138	5.7	0.708	leaking bottom.	11					
Sample Flask Water Seal?	(Yes) / No	12			238	612	6.0	1.190		12					
		13			239	3038	6.0	1.674		13					
Reagent Change?	$MnCl_2$	14			240	3209	6.0	2.189		14					
(Please circle reagent that was changed prior to sampling and standardization) NOTE NEW BATCH IN LOG BOOK	NaI/NaOH	15			241	3129	6.1	3.046		15					
	H_2SO_4	16			242A	3043	6.1	3.529		16	242B	570	6.2	3.532	
	KIO_3	17			243	3175	6.3	3.895		17					
	THIO	18			244	3023	6.4	4.828		18					
Notes:		19			245	3161	7.3	7.005		19					
		20			246	3002	7.3	7.086		20					
		21			247A	3162	7.3	7.054		21	247B	3096	7.3	7.068	
		22			248	3132	7.3	7.044		22					
		23			249	3066	7.4	7.064	loose bottom cap.	23					
		24			250	3144	7.4	7.061		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

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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	Nisk ID	Sample ID	Flask 2	Draw T 2 (°C)	OXY-2 (mL/L)	OXY-2 Comments
Cruise Number:	2018-01	1			293A	3036	7.3	7.163	⇒	1	293B	3106	7.5	7.158	
Event:	5	2			294A	2092	7.4	7.165	⇒	2	294B	1442	7.6	7.162	
Station:	PA-61	3			295A	3145	7.6	7.158	⇒	3	295B	2020	7.7	7.157	
Event Date (Local):	26-Feb-18	4								4					
Analysis Date (Local):	28FEB2018	5								5					
Analyst:	MB	6								6					
Stdization Date (Local):	27FEB2018	7								7					
KIO_3 N:	0.011833	8								8					
Standard Titer:	0.4918	9								9					
Blank Titer:	0.0005	10								10					
THIO N:	0.2410897	11								11					
Sample Flask Water Seal?	(Yes) / No	12								12					
		13								13					
Reagent Change?	$MnCl_2$	14								14					
(Please circle reagent that was changed prior to sampling and standardization) NOTE NEW BATCH IN LOG BOOK	NaI/NaOH	15								15					
	H_2SO_4	16								16					
	KIO_3	17								17					
	THIO	18								18					
Notes: Sperm whale		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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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	Nisk ID	Sample ID	Flask 2	Draw T 2 (°C)	OXY-2 (mL/L)	OXY-2 Comments
Cruise Number:	2018-01	1			398	528	3.5	2.941		1					
Event:	72	2			399	3148	3.5	2.822		2					
Station:	P20	3			400A	3114	3.5	2.829	=>	3	400B	3013	3.6	2.830	
Event Date (Local):	2018/03/02	4			401	3093	3.6	2.824		4					
Analysis Date (Local):	3MAR2018	5			402	2098	3.8	1.881		5					
Analyst:	MB / DC	6			403	708	4.0	1.233		6					
Stdization Date (Local):	3MAR2018	7			404	3146	4.5	0.469		7					
KIO_3 N:	0.011833	8			405A	611	4.7	0.313	=>	8	405B	510	4.8	0.301	
Standard Titer:	0.4917	9			406	3053	5.1	0.388	slow drip on lower spigot	9					
Blank Titer:	0.0006	10			407	745	5.5	0.429		10					
THIO N:	0.240525	11			408	3138	5.8	0.661	drip on lower spigot	11					
Sample Flask Water Seal?	Yes (circled) / No	12			409	612	6.1	1.495		12					
		13			410A	3038	6.5	2.196	=>	13	410B	3209	6.6	2.186	
Reagent Change?	$MnCl_2$	14			411	3129	6.9	2.860		14					
(Please circle reagent that was changed prior to sampling and standardization) NOTE NEW BATCH IN LOG BOOK	NaI/NaOH	15			412	3043	7.4	3.706		15					
	H_2SO_4	16			413	570	7.5	4.161		16					
	KIO_3	17			414	3175	7.9	4.289		17					
	THIO	18			415A	3023	7.7	5.237	=>	18	415B	3161	7.7	5.243	
Notes:	swallow box	19			416	3002	7.9	6.862		19					
		20			417	3162	7.9	6.883		20					
		21			418	3096	8.0	6.867	drip on top cap	21					
		22			419	3132	7.9	6.871		22					
		23			420	3066	7.9	6.878		23					
		24			421	3144	7.9	6.875		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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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	Nisk ID	Sample ID	Flask 2	Draw T 2 (°C)	OXY-2 (mL/L)	OXY-2 Comments
Cruise Number:	2016-01	1			503	528	8.9	2.438		1					
Event:	84	2			504	3148	8.9	2.596		2					
Station:	JF2	3			505	3114	9.0	3.147		3					
Event Date (Local):	5 Mar 18	4			506A	3013	9.3	3.424	⇒	4	506B	3093	9.2	3.431	
Analysis Date (Local):	6MAR2018	5			507	2098	8.3	3.864		5					
Analyst:	MB	6			508	708	9.2	4.456		6					
Stdization Date (Local):	6MAR2018	7			509	3146	9.1	4.683		7					
KIO_3 N:	0.011833	8			510	3053	9.1	4.899		8					
Standard Titer:	0.4917	9			511	611	9.1	5.229		9					
Blank Titer:	0.006	10			512A	510	9.0	5.449	⇒	10	512B	3138	9.0	5.456	
THIO N:	0.240925	11			513	745	8.9	5.794		11					
Sample Flask Water Seal?	(Yes) / No	12			514	612	9.0	5.840		12					
		13								13					
Reagent Change?	$MnCl_2$	14								14					
(Please circle reagent that was changed prior to sampling and standardization) NOTE NEW BATCH IN LOG BOOK	NaI/NaOH	15								15					
	H_2SO_4	16								16					
	KIO_3	17								17					
	THIO	18								18					
Notes: Sparrow		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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Institute of Ocean Sciences
Water Properties Group

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IOS

Cruise and Analysis Information	
Cruise Number:	2018-01
Event:	86
Station:	HAR059
Event Date (Local):	6MAR2018
Analysis Date (Local):	6MAR2018
Analyst:	MB
Stdization Date (Local):	6MAR2018
KIO_3 N:	0.011833
Standard Titer:	0.4916
Blank Titer:	0.0006
THIO N:	0.240944
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			522	3036	9.0	4.666	
2			523	3106	9.0	4.680	
3			524A	2092	9.0	4.747	
4			525	3145	9.0	4.884	
5			526	2020	9.0	4.911	
6			527	3135	8.9	5.159	
7			528	3089	9.0	5.182	
8			529	3074	9.0	5.261	
9			530A	3055	9.0	5.275	
10			531	3052	8.9	5.286	
11			532	3065	8.9	5.297	top cap is ajar
12			533	3101	8.9	5.315	
13			534	3147	8.9	5.307	
14			535	458	8.9	5.314	leaky vent
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	521B	1442	9.0	4.744	
4					
5					
6					
7					
8					
9	530B	3094	9.0	5.277	
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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IOS

Cruise and Analysis Information	
Cruise Number:	2018-01
Event:	79
Station:	P16
Event Date (Local):	4 Mar 2018
Analysis Date (Local):	Mar 4, 2018
Analyst:	DC
Stdization Date (Local):	Mar 3, 2018
KIO_3 N:	0.011833
Standard Titer:	0.49 17435
Blank Titer:	0.005558
THIO N:	0.240925
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:	Sparrow

Nisk ID	Nisk Int V	Nisk Int S	Sample ID	Flask 1	Draw T 1 (°C)	OXY-1 (mL/L)	OXY-1 Comments
1	✓	✓	473	528	3.5	~~0.2627~~	2.744
2	✓	✓	474	3148	3.5	~~0.2781~~	2.686
3	✓	✓	475A	3114	3.5	2.688	⇒
4	✓	✓	476	3093	3.4	2.462	
5	✓	✓	477	3098	3.6	1.900	
6	✓	✓	478	708	3.8	1.232	
7	✓		479	3146	4.2	0.556	
8	✓	✓	480	611	4.6	0.306	
9	✓	✓	481	3053	4.9	0.304	
10	✓	✓	482A	510	5.5	0.343	⇒
11	✓	✓	483	745	5.9	0.566	
12	✓	✓	484	612	6.2	1.380	
13	✓	✓	485	3038	6.7	2.128	
14	✓	✓	486	3209	7.1	2.742	
15	✓	✓	487	3129	7.6	3.364	
16	✓	✓	488A	3043	7.8	3.643	⇒
17	✓	✓	489	3175	8.1	3.965	
18	✓	✓	490	3023	8.2	4.451	
19	✓	✓	491	3161	8.2	5.551	
20	✓	✓	492	3002	8.3	6.807	
21	✓	✓	493A	3162	8.3	6.792	⇒ over titration
22	✓	✓	494	3132	8.3		No result, bad titration
23	✓	✓	495	3066	8.3	6.801	
24		✓	496	3144	8.2	6.813	leaky valve

Nisk ID	Sample ID	Flask 2	Draw T 2 (°C)	OXY-2 (mL/L)	OXY-2 Comments
1					
2					
3	475B	3013	3.5	2.694	
4					
5					
6					
7					
8					
9					
10	482B	3138	5.6	0.348	
11					
12					
13					
14					
15					
16	488B	570	7.9	3.641	
17					
18					
19					
20					
21	493B	3096	8.3	6.808	
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

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IOS

Cruise and Analysis Information	
Cruise Number:	2018-01
Event:	88
Station:	56
Event Date (Local):	Mar 6, 2018
Analysis Date (Local):	7 MAR 2018
Analyst:	DG
Stdization Date (Local):	6 MAR 2018
KIO_3 N:	0.011833
Standard Titer:	0.4916
Blank Titer:	0.0006
THIO N:	0.240944
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
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	✓	✓	542	3098	9.1	4.993	
2	✓	✓	543a	1312	9.1	4.994	
3	✓	✓	544	371	9.1	5.034	LEAKY VENT
4	✓	✓	545	2090	9.1	5.112	
5	✓	✓	546	3054	9.0	5.241	
6	✓	✓	547	2088	9.0	5.291	
7	✓	✓	548	3076	9.0	5.387	
8	✓	✓	549	3078	9.2	5.374	
9	✓	✓	550	3127	9.1	5.398	
10	✓	✓	551a	3100	9.2	5.377	
11	✓	✓	552	3010	9.2	5.377	Top cap not seated properly
12	✓	✓	553	528	9.3	5.408	
13	✓	✓	554	3148	9.3	5.431	
14	✓	✓	555	3144	9.3	5.446	
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	543b	3133	9.0	4.990	
3					
4					
5					
6					
7					
8					
9					
10	551b	3041	9.2	5.371	
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		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
Cruise Number:	2018-01	1			577	2020	10.4	2.466		1					
Event:	92	2			578	3145	10.4	2.476		2					
Station:	42	3			579	1442	10.5	2.741		3					
Event Date (Local):	06/03/18	4			580	2092	10.2	3.252		4					
Analysis Date (Local):	Mar 7, 2018	5			581	3106	10.0	3.905		5					
Analyst:	DC	6			582	3036	9.8	4.183		6					
Stdization Date (Local):	Mar 6, 2018	7			583A	3135	9.7	4.727	⇒	7	583B	3089	9.7	4.731	
KIO_3 N:	0.011833	8			584	3074	9.5	5.077		8					
Standard Titer:	0.491555	9			585	3055	9.7	4.854		9					
Blank Titer:	0.0006	10			586	3094	9.6	4.856		10					
THIO N:	0.240944	11			587	3052	9.6	4.840		11					
Sample Flask Water Seal?	(Yes) / No	12			588A	3065	9.6	5.000	⇒	12	588B	3101	9.6	5.002	
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	13			589	3147	9.4	5.425		13					
		14			590	458	8.9	6.405		14					
		15			591	3103	8.4	7.192		15					
		16			592	3013	8.2	7.571		16					
		17								17					
		18								18					
Notes: WHALE + LAST. FLASK IN SPARROW		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

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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	Nisk ID	Sample ID	Flask 2	Draw T 2 (°C)	OXY-2 (mL/L)	OXY-2 Comments
Cruise Number:	2018-01	1			593	3093	10.4	2.235		1					
Event:	98	2			594	2098	10.5	2.356		2					
Station:	GEO1	3			595A	708	10.4	2.555	⇒	3	595B	3146	10.5	2.551	
Event Date (Local):	06/03/18	4			596	3058	10.3	2.830		4					
Analysis Date (Local):	7MAR2018	5			597	611	10.1	3.479		5					
Analyst:	MB	6			598	510	9.8	4.261		6					
Stdization Date (Local):	6MAR2018	7			599	3138	9.7	4.713		7					
KIO_3 N:	0.011833	8			600A	745	9.7	4.915	⇒	8	600B	612	9.7	4.913	
Standard Titer:	0.4916	9			601	3038	9.9	4.447		9					
Blank Titer:	0.0006	10			602	3209	9.8	4.673		10					
THIO N:	0.240944	11			603	3043	9.6	4.972		11					
Sample Flask Water Seal?	(Yes) / No	12			604	3129	9.2	5.528		12					
		13			605	570	9.0	5.873		13					
Reagent Change?	$MnCl_2$	14			606	3175	8.7	6.423		14					
(Please circle reagent that was changed prior to sampling and standardization) NOTE NEW BATCH IN LOG BOOK	NaI/NaOH	15			607	3023	8.6	7.543		15					
	H_2SO_4	16			608	3161	8.7	7.716		16					
	KIO_3	17								17					
	THIO	18								18					
Notes:		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

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IOS

Cruise and Analysis Information	
Cruise Number:	2018-01
Event:	100
Station:	CPF1
Event Date (Local):	7MAR2018
Analysis Date (Local):	7MAR2018
Analyst:	MB
Stdization Date (Local):	6MAR2018
KIO_3 N:	0.011833
Standard Titer:	0.4916
Blank Titer:	0.0006
THIO N:	0.2405444
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:	Shark

Nisk ID	Nisk Int V	Nisk Int S	Sample ID	Flask 1	Draw T 1 (°C)	OXY-1 (mL/L)	OXY-1 Comments
1	✓	✓	612	1429	10.3	2.615	
2	✓	✓	613	1408	10.1	2.958	Black pearl chips?
3	✓	✓	614A	94	10.1	3.264	⇒
4	✓	✓	615	2025	10.0	3.628	
5	✓	✓	616	2019	9.8	4.093	
6	✓	✓	617	3158	9.7	4.156	
7	✓	✓	618	2016	9.7	4.689	
8	✓	✓	619	1465	9.7	4.810	
9			620A	207	9.3	5.178	⇒
10			621	2015	9.0	5.690	
11			622	2027	8.7	6.151	leaky top
12			623	2032	8.7	6.416	
13			624	2043	8.5	7.021	
14			625	2040	8.5	7.650	
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	614B	2007	10.2	3.264	
4					
5					
6					
7					
8					
9	620B	3062	9.3	5.177	
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.