

Dissolved Oxygen Analysis Log Sheet

Institute of Ocean Sciences
Water Properties Group

Last Updated: January 2017



Cruise and Analysis Information							Nisk ID	Nisk Int V	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:	207-65	1			1	348	10.0	1.351							1					
Event:	/	2			2	326	9.9	0.432							2					
Station:	SI	3			3	345	9.9	2.871							3					
Event Date (Local):	30 Oct 2017	4			4	329	11.3	3.067							4					
Analysis Date (Local):	30 Oct 2017	5			5A	350	11.7	3.161							5	SB	335	11.7	3.159	
Analyst:	AB	6			6	390	12.2	3.745							6					
Stdization Date (Local):	30 Oct 2017	7			7	325	12.4	4.448							7					
KIO ₃ N:	0.023057	8			8	3072	12.6	6.717							8					
Standard Titer:	0.5116	9			9	332	12.9	7.512							9					
Blank Titer:	0.0007	10													10					
THIO N:	0.240729	11													11					
Sample Flask Water Seal?	Yes	12													12					
	No	13													13					
Reagent Change?	MnCl ₂	14													14					
(Please circle reagent that was changed prior to sampling and standardization)	NaI/NaOH	15													15					
	H ₂ SO ₄	16													16					
NOTE NEW BATCH IN LOG BOOK	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.

Bender

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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:	2017-65						1			10	3148	7.7	1.497	top o-ring did not seat	1					
Event:	009						2			11	3126	7.7	1.462		2					
Station:	102						3			12	3115	7.8	1.298		3					
Event Date (Local):	5 OCT 2017						4			13A	3129	7.9	1.601		4	13B	3150	7.9	1.591	
Analysis Date (Local):	5 OCT 2017						5			14	3135	7.9	1.705	leaking	5					
Analyst:	MB						6			15	3190	8.0	2.060		6					
Stdization Date (Local):	5 OCT 2017						7			16	3125	8.3	2.047		7					
KIO ₃ N:	0.0123057						8			17	3072	8.6	2.582		8					
Standard Titer:	0.5117						9			18	3132	9.0	2.459		9					
Blank Titer:	0.0057						10			19	3138	9.6	2.942		10					
THIO N:	0.24102						11			20A	3028	10.1	3.879	small piece of paper in flask	11	20B	3144	10.1	3.858	
Sample Flask Water Seal?	Yes						12			21	3000	10.1	3.471		12					
	No						13			22	3133	10.5	4.531		13					
Reagent Change?	MnCl ₂						14			23	3147	10.6	4.772		14					
(Please circle reagent that was changed prior to sampling and standardization)	NaI/NaOH						15								15					
NOTE NEW BATCH IN LOG BOOK	H ₂ SO ₄						16								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.

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Shark Box

Cruise and Analysis Information						Nisk ID	Nisk Int V 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: 2017-65	1			24	1429	8.0	1.429						1					
Event: 012	2			25	94	8.0	1.440					→	2		1408	8.0	1.434	
Station: 75	3			26	2007	8.0	1.441						3					
Event Date (Local): 05/10/17	4			27	2025	8.0	1.443						4					
Analysis Date (Local): 5 OCT 2017	5			28	3158	8.2	1.591					Upper O-ring Failure	5					
Analyst: MB	6			29	2019	8.2	1.859						6					
Stdization Date (Local): 5 Oct 2017	7			30	2016	8.9	2.704						7					
KIO ₃ N: 0.0123057	8			31	2017	9.5	2.022						8					
Standard Titer: 0.5117	9			32	1465	9.6	2.078						9					
Blank Titer: 0.0007	10			33	3062	10.0	3.070						10					
THIO N: 0.241022	11			34	2015	10.3	3.519						11					
Sample Flask Water Seal? ☒ Yes	12			35	2027	10.5	3.806					→ over-titrated.	12		2032	10.5	3.798	
☐ No	13			36	2043	10.8	4.806						13					
Reagent Change? MnCl ₂	14			37	2040	10.9	4.925						14					
(Please circle reagent that was changed prior to sampling and standardization)	15												15					
NOTE NEW BATCH IN LOG BOOK	16												16					
	17												17					
	18												18					
	19												19					
Notes:	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:	2017-65	1			38	3148	8.1	1.761	vent ajar low red voltage, OT'd 2x	1					
Event:	17	2			39	3126	8.0	1.277		2					
Station:	72	3			40	3145	8.1	1.279		3					
Event Date (Local):	5 Oct 2017	4			41	3150	7.98	1.337	⇒ redraw A after B - bubble from reagents	4	41	3129	8.0	1.272	
Analysis Date (Local):	5 Oct 2017	5			42	3135	7.9	1.337		5					
Analyst:	MB	6			43	3190	8.6	2.134		6					
Stdization Date (Local):	5 Oct 2017	7			44	3125	9.1	2.290	⇒	7	44	3072	9.0	2.286	
KIO ₃ N:	0.0123057	8			45	3132	9.5	2.096		8					
Standard Titer:	0.5117	9			46	3138	10.2	3.799		9					
Blank Titer:	0.0007	10			47	3028	10.3	3.065		10					
THIO N:	0.241022	11			48	3144	10.5	4.008		11					
Sample Flask Water Seal?	Yes	12			49	3000	10.6	4.276		12					
	No	13			50	3133	10.9	4.448		13					
Reagent Change?	MnCl ₂	14								14					
(Please circle reagent that was changed prior to sampling and standardization)	NaI/NaOH	15								15					
	H ₂ SO ₄	16								16					
NOTE NEW BATCH IN LOG BOOK	KIO ₃	17								17					
	THIO	18								18					
Notes:		19								19					
		20								20					
		21								21					
		22								22					
		23								23					
		24								24					

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Cruise and Analysis Information		Nisk ID	Nisk Int V 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: 2017-65		1		51	3148	8.0	1.375	top end cap not seated - leaks	1					
Event: 20		2		52	3126	8.0	1.387	end cap leaky	2					
Station: 69		3		53	3145	8.0	1.409		3					
Event Date (Local): 5 Oct 2017		4		54	3150	8.0	1.486		4					
Analysis Date (Local): 5 Oct 2017		5		55	3129	8.7	2.051		5					
Analyst: MB		6		56A	3135	9.4	2.703	Dropped two milligrams in.	6	56B	3190	9.4	2.687	
Stdization Date (Local): 5 Oct 2017		7		57	3125	9.6	2.966		7					
KIO ₃ N: 0.0123057		8		58A	3072	9.7	3.105		8	58B	3132	9.7	3.113	
Standard Titer: 0.5117		9		59	3138	9.8	3.271	redraw bubble	9					
Blank Titer: 0.0007		10		60	3028	10.4	4.204		10					
THIO N: 0.241022		11		61	3144	10.7	4.502		11					
Sample Flask Water Seal? Yes		12		62	3000	10.9	4.724	redraw pinching problem	12					
	No	13							13					
Reagent Change? MnCl ₂		14							14					
(Please circle reagent that was changed prior to sampling and standardization)	NaI/NaOH	15							15					
	H ₂ SO ₄	16							16					
NOTE NEW BATCH IN LOG BOOK	KIO ₃	17							17					
	THIO	18							18					
Notes:		19							19					
		20							20					
		21							21					
		22							22					
		23							23					
		24							24					

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Cruise Number:	2017-65						1			63	1429	8.3	1.659		1					
Event:	24						2			64	1408	8.3	1.669		2					
Station:	20cp						3			65	94	8.7	2.053		3					
Event Date (Local):	5 OCT 2017						4			66A	2007	8.9	2.205		4	66B	2025	8.9	2.205	
Analysis Date (Local):	5 OCT 2017						5			67	3158	9.3	2.551		5					
Analyst:	MB						6			68	2019	9.5	2.800		6					
Stdization Date (Local):	5 OCT 2017						7			69	2016	9.8	3.052		7					
KIO ₃ N:	0.023057						8			70	2017	10.1	3.315		8					
Standard Titer:	0.5117						9			71	1465	10.5	3.687		9					
Blank Titer:	0.0007						10			72	3062	10.7	4.179		10					
THIO N:	0.241022						11								11					
Sample Flask	Yes						12								12					
Water Seal?	No						13								13					
Reagent Change?	MnCl ₂						14								14					
(Please circle reagent that was changed prior to sampling and standardization)	NaI/NaOH						15								15					
NOTE NEW BATCH IN LOG BOOK	H ₂ SO ₄						16								16					
	KIO ₃						17								17					
	THIO						18								18					
Notes:							19								19					
							20								20					
							21								21					
							22								22					
							23								23					
							24								24					

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Cruise Number:	2017-65						1			86	1429	8.7	1.956		1					
Event:	33						2			87	1408	9.3	2.423		2					
Station:	62						3			88	94	9.5	2.749		3					
Event Date (Local):	6 Oct 2017						4			89	2007	9.6	2.840		4					
Analysis Date (Local):	6 Oct 2017						5			90	2025	9.7	2.884		5		3158	9.7	2.883	
Analyst:	MB						6			91	2019	9.7	2.933		6					
Stdization Date (Local):	6 Oct 2017						7			92	2016	9.9	3.114		7					
KIO ₃ N:	0.0123057						8			93	2017	10.4	4.089		8		1465	10.4	4.026	
Standard Titer:	0.5118						9			94	3062	10.4	4.155		9					
Blank Titer:	0.0007						10			95	2015	10.4	4.149		10					
THIO N:	0.2486						11			96	2027			Sample not Taken	11					
Sample Flask	Yes						12								12					
Water Seal?	No						13								13					
Reagent Change?	MnCl ₂						14								14					
(Please circle reagent that was changed prior to sampling and standardization)	NaI/NaOH						15								15					
NOTE NEW BATCH IN LOG BOOK	H ₂ SO ₄						16								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.

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Cruise and Analysis Information		Nisk ID	Nisk Int V	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:	12017-65	1		978	3149	9.2	2.205	Cindy did DIC before DO	1					
Event:	37	2		98	3126	9.1	2.246		2					
Station:	59	3		99	3145	9.3	2.308		3					
Event Date (Local):	6 Oct 2017	4		100	3150	9.3	2.373		4					
Analysis Date (Local):	6 Oct 2017	5		101	3129	9.4	2.496		5					
Analyst:	MLB	6		102	3135	9.5	2.633		6					
Stdization Date (Local):	6 Oct 2017	7		103	3190	9.7	2.894		7		3125	9.7	2.896	
KIO ₃ N:	0.0123057	8		104	3072	10.2	3.410		8					
Standard Titer:	0.5118	9		105	3132	10.3	3.576		9					
Blank Titer:	0.0007	10		106	3138	10.4	3.630		10					
THIO N:	0.2486	11		107	3144	10.5	3.734		11		3028	10.5	3.726	
Sample Flask Water Seal?	Yes	12		108	3000	10.5	3.756		12					
	No	13		109	3133	10.5	3.794		13					
Reagent Change?	MnCl ₂	14		110	3147	10.5	3.832		14					
(Please circle reagent that was changed prior to sampling and standardization)	NaI/NaOH	15							15					
	H ₂ SO ₄	16							16					
NOTE NEW BATCH IN LOG BOOK	KIO ₃	17							17					
	THIO	18							18					
Notes:		19							19					
		20							20					
		21							21					
		22							22					
		23							23					
		24							24					

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Cruise and Analysis Information		Nisk ID	Nisk Int V 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:	2017-105	1		112	1223	9.6	2.493	Top O-ring leaking Bottom O-ring leaking	1					
Event:	42	2		113	439	9.5	2.581		2					
Station:	570	3		114	3057	9.6	2.562		3					
Event Date (Local):	6 Oct 2017	4		115	3073	9.7	2.096		4					
Analysis Date (Local):	6 Oct 2017	5		116	3050	9.8	2.782		5					
Analyst:	MB	6		117	196	9.9	2.851		6	117	3067	9.9	2.853	
Stdization Date (Local):	6 Oct 2017	7		118	2056	9.9	2.876		7					
KIO ₃ N:	0.0123057	8		119	1416	10.1	3.057		8					
Standard Titer:	0.5118	9		120	1406	10.5	3.590		9					
Blank Titer:	0.0007	10		121	3078	10.5	3.587		10	121	3005	10.4	3.581	
THIO N:	0.24086	11		122	1407	10.8	3.841		11					
Sample Flask Water Seal?	Yes	12		123	1409	10.9	3.885		12					
	No	13		124	2060	11.1	4.115		13					
Reagent Change?	MnCl ₂	14		125	505	11.3	4.870		14					
(Please circle reagent that was changed prior to sampling and standardization)	NaI/NaOH	15							15					
	H ₂ SO ₄	16							16					
NOTE NEW BATCH IN LOG BOOK	KIO ₃	17							17					
	THIO	18							18					
Notes:		19							19					
		20							20					
		21							21					
		22							22					
		23							23					
		24							24					

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OCT 2017

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:	2017-165	1			126	1059	10.1	2.818		1					
Event:	50	2			127	3056	10.1	2.941		2					
Station:	46	3			128	3024	10.4	3.057		3					
Event Date (Local):	6 OCT 2017	4			129	2086	10.5	3.155		4	129	3104	10.5	3.150	
Analysis Date (Local):	6 OCT 2017	5			130	2084	10.5	3.347		5					
Analyst:	MB	6			131	3019	10.6	3.454		6					
Stdization Date (Local):	6 OCT 2017	7			132	639	10.1	3.503		7					
KIO ₃ N:	0.0123057	8			133	2073	10.6	3.705		8	133	6020	10.5	3.705	
Standard Titer:	0.5118	9			134	2053	10.4	3.573		9					
Blank Titer:	0.0007	10			135	3088	11.4	4.025		10					
THIO N:	0.24086	11			136	715	12.7	5.280		11					
Sample Flask Water Seal?	(Yes) No	12			137	1002	13.4	6.031		12					
Reagent Change?	MnCl ₂	13								13					
(Please circle reagent that was changed prior to sampling and standardization)	NaI/NaOH	14								14					
NOTE NEW BATCH IN LOG BOOK	H ₂ SO ₄	15								15					
	KIO ₃	16								16					
	THIO	17								17					
Notes:		18								18					
		19								19					
		20								20					
		21								21					
		22								22					
		23								23					
		24								24					

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Cruise Number:	2017-65	1			138	1429	10.1	2.67			1									
Event:	52	2			139	1468	10.0	2.71			2									
Station:	42	3			140	94	10.1	2.83			3									
Event Date (Local):	06 OCT 2017	4			141	2007	10.2	2.84			4									
Analysis Date (Local):	6 OCT 2017	5			142	2025	10.2	2.806	=)		5	142	3158	10.3	2.801	small bubble reagents				
Analyst:	MS	6			143	2019	10.2	2.853			6									
Stdization Date (Local):	6 OCT 2017	7			144	2016	10.2	2.963			7									
KIO ₃ N:	0.0023057	8			145	1465	10.3	2.983			8									
Standard Titer:	0.5118	9			146	2017	10.3	3.155			9									
Blank Titer:	0.0007	10			147	3062	9.9	3.381			10									
THIO N:	0.25086	11			148	2015	10.0	3.412			11									
Sample Flask Water Seal?	Yes	12			149	2027	10.2	3.471	=)		12	149	2032	10.2	3.466					
	No	13			150	2043	10.7	3.606			13									
Reagent Change?	MnCl ₂	14			151	0040	11.5	4.101			14									
(Please circle reagent that was changed prior to sampling and standardization)	NaI/NaOH	15			152	3009	12.4	4.764			15									
	H ₂ SO ₄	16			153	2047	13.5	6.081			16									
NOTE NEW BATCH IN LOG BOOK	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

Institute of Ocean Sciences
Water Properties Group

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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:	2017-65	1			154	1429	9.8	2.589		1					
Event:	58	2			155	1408	9.8	2.630		2					
Station:	39	3			156	94	9.9	2.741		3					
Event Date (Local):	6 Oct 2017	4			157	2007	9.9	2.810		4					
Analysis Date (Local):	7 Oct 2017	5			158	2025	10.2	2.828		5					
Analyst:	MB	6			159	2051	10.1	2.854		6					
Stdization Date (Local):	6 Oct 2017	7			160	3158	10.1	2.915		7					
KIO ₃ N:	0.0123057	8			161	2016	10.1	2.929		8					
Standard Titer:	0.5 118	9			162	1465	10.2	3.008		9					
Blank Titer:	0.0007	10			163A	2017	10.0	3.094	⇒	10	163B	3062	10.0	3.090	
THIO N:	0.74086	11			164	2015	9.8	3.337		11					
Sample Flask Water Seal?	Yes No	12			165	2027	9.9	3.416		12					
Reagent Change?	MnCl ₂	13			166	2032	10.5	3.575		13					
(Please circle reagent that was changed prior to sampling and standardization)	NaI/NaOH	14			167	2043	11.2	3.971	o/t d	14					
NOTE NEW BATCH IN LOG BOOK	H ₂ SO ₄	15			168	2040	13.4	6.399		15					
	KIO ₃	16			169	3009	13.5	6.466		16					
	THIO	17			170A	2047	13.5	6.452	⇒	17	170B	3033	13.5	6.456	
Notes:		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

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Cruise and Analysis Information		Nisk ID	Nisk Int V 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:	2017-65	1		174	1059	9.9	2.732		1					
Event:	69	2		175	3056	9.9	2.737		2					
Station:	27	3		176	3021	9.8	2.755		3					
Event Date (Local):	7 Oct 2017	4		177	2086	9.8	2.738		4					
Analysis Date (Local):	7 Oct 2017	5		178	3104	9.9	2.783		5					
Analyst:	MB	6		179	1053	9.9	2.821		6		3019	10.0	2.818	
Stdization Date (Local):	6 Oct 2017	7		180	639	10.0	2.921		7					
KIO ₃ N:	0.0123057	8		181	2073	10.1	3.008		8					
Standard Titer:	0.5118	9		182	620	10.0	3.182		9					
Blank Titer:	0.0007	10		183	2084	9.7	3.326		10					
THIO N:	0.24086	11		184	3088	9.7	3.361		11					
Sample Flask Water Seal?	Yes	12		185	715	9.8	3.340		12					
	No	13		186	1002	10.2	3.389		13		3035	10.1	3.379	
Reagent Change?	MnCl ₂	14		187	2074	11.3	4.181		14					
(Please circle reagent that was changed prior to sampling and standardization)	NaI/NaOH	15		188	3061	13.3	6.472		15					
NOTE NEW BATCH IN LOG BOOK	H ₂ SO ₄	16		189	642	13.5	6.465		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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Cruise and Analysis Information		Nisk ID	Nisk Int V 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:	2017-65	1		194	1223	9.7	2.704		1					
Event:	78	2		195	439	9.7	2.693		2					
Station:	2	3		196	3057	9.7	2.682		3					
Event Date (Local):	Oct 7	4		197	3073	9.7	2.688		4					
Analysis Date (Local):	7 Oct 2017	5		198	3050	9.8	2.711		5					
Analyst:	ms	6		199	196	10.1	2.869	→	6		3067	10.1	2.868	
Stdization Date (Local):	6 Oct 2017	7		200	2056	10.1	2.918		7					
KIO ₃ N:	0.0123057	8		201	1416	10.0	3.063		8					
Standard Titer:	0.518	9		202	1406	9.7	3.244		9					
Blank Titer:	0.0007	10		203	3070	9.5	3.352		10					
THIO N:	0.24086	11		204	3005	9.5	3.358		11					
Sample Flask Water Seal?	Yes	12		205	1467	9.7	3.276		12					
	No	13		206	1409	10.5	3.629	→	13		2060	10.5	3.636	
Reagent Change?	MnCl ₂	14		207	505	11.7	4.848		14					
(Please circle reagent that was changed prior to sampling and standardization)	Nal/NaOH	15		208	2089	12.5	5.754		15					
	H ₂ SO ₄	16							16					
NOTE NEW BATCH IN LOG BOOK	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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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:	2017-65	1			228	3148	10.8	3.706		1					
Event:	87	2			229	3126	10.8	3.735		2					
Station:	B517	3			230	3145	10.9	3.711		3					
Event Date (Local):	07 OCT 2017	4			231	3150	11.0	3.971	⇒	4	231	3129	11.0	3.976	
Analysis Date (Local):	7 Oct 2017	5			232	3135	11.5	4.614		5					
Analyst:	mb	6			233	3190	11.7	4.981		6					
Stdization Date (Local):	6 Oct 2017	7			234	3125	12.3	6.388		7					
KIO ₃ N:	0.0123057	8			235	3072	12.7	6.851		8					
Standard Titer:	0.5118	9								9					
Blank Titer:	0.0007	10								10					
THIO N:	0.24086	11								11					
Sample Flask	Yes	12								12					
Water Seal?	No	13								13					
Reagent Change?	MnCl ₂	14								14					
(Please circle reagent that was changed prior to sampling and standardization)	NaI/NaOH	15								15					
NOTE NEW BATCH IN LOG BOOK	H ₂ SO ₄	16								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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Cruise and Analysis Information		Nisk ID	Nisk Int V 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:	2017-65	1		236	3148	9.7	2.454	o/t'd	1					
Event:	90	2		237	3126	9.7	2.698		2					
Station:	6	3		238	3145	9.9	2.786		3					
Event Date (Local):	7 Oct 2017	4		239	3150	10.0	2.864		4					
Analysis Date (Local):	7 Oct 2017	5		240	3129	10.0	2.884	o/t'd	5					
Analyst:	MS	6		241A	3135	9.7	3.006		6	241B	3190	9.7	3.000	
Stdization Date (Local):	6 Oct 2017	7		242	3125	9.9	3.369		7					
KIO ₃ N:	0.0123057	8		243	3072	10.2	3.469		8					
Standard Titer:	0.5118	9		244	3132	10.2	3.506		9					
Blank Titer:	0.0007	10		245	3138	10.3	3.535		10					
THIO N:	0.2486	11		246	3144	10.4	3.541		11					
Sample Flask Water Seal?	Yes	12		247A	3028	11.0	4.061		12	247B	3000	11.0	4.077	o/t'd
	No	13		248	3133	12.5	5.688		13					
Reagent Change?	MnCl ₂	14							14					
(Please circle reagent that was changed prior to sampling and standardization)	NaI/NaOH	15							15					
	H ₂ SO ₄	16							16					
NOTE NEW BATCH IN LOG BOOK	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

Institute of Ocean Sciences
Water Properties Group

Last Updated: January 2017



Cruise and Analysis Information		Nisk ID	Nisk Int V 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:	2017-65	1		261	1059	9.6	2.572		1					
Event:	98	2		262	3056	9.7	2.670		2					
Station:	12	3		263	3021	9.7	2.712		3	263B	2086	9.7	2.713	
Event Date (Local):	7 Oct 2017	4		264	3104	9.7	2.774		4					
Analysis Date (Local):	8 Oct 2017	5		265	1053	9.8	2.791		5					
Analyst:	MB	6		266	3019	9.8	2.820		6					
Stdization Date (Local):	8 Oct 2017	7		267	639	9.9	2.908		7					
KIO ₃ N:	0.023057	8		268	2073	9.8	2.957		8					
Standard Titer:	0.5117	9		269	620	9.5	3.054		9					
Blank Titer:	0.0007	10		270	2084	9.5	3.161	small bubbles reagent	10					
THIO N:	0.240879	11		271	3088	10.2	3.510		11					
Sample Flask	Yes	12		272	715	10.4	3.676		12					
Water Seal?	No	13		273A	102	10.6	3.777		13	273B	3035	10.5	3.775	
Reagent Change?	MnCl ₂	14		274	2075	11.0	4.188		14					
(Please circle reagent that was changed prior to sampling and standardization)	NaI/NaOH	15		275	3001	12.3	6.162		15					
NOTE NEW BATCH IN LOG BOOK	H ₂ SO ₄	16		276	647	12.5	6.543		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.

Bender Box

Dissolved Oxygen Analysis Log Sheet

Institute of Ocean Sciences
Water Properties Group

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Cruise and Analysis Information		Nisk ID	Nisk Int V 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:	201765	1		277	3148	9.5	2.571		1					
Event:	101	2		278	3126	9.6	2.664		2		3145	9.6	2.671	
Station:	14	3		279	3150	9.5	2.682		3					
Event Date (Local):	Oct 8/17	4		280	3129	9.5	2.668		4					
Analysis Date (Local):	8 Oct 2017	5		281	3135	9.5	2.730		5					
Analyst:	MB	6		282	3190	9.5	2.771		6					
Stdization Date (Local):	8 Oct 2017	7		283	3125	9.5	2.860		7					
KIO ₃ N:	0.01230571	8		284	3077	9.5	2.925		8					
Standard Titer:	0.5118	9		285	3132	9.9	3.419		9					
Blank Titer:	0.0007	10		286	3138	10.1	3.572		10					
THIO N:	0.240879	11		287	3144	10.5	3.826		11					
Sample Flask Water Seal?	Yes	12		288	3028	10.5	3.838		12	289	3000	10.5	3.849	
	No	13		289	3133	10.7	3.934		13					
Reagent Change?	MnCl ₂	14		290	3147	11.5	5.081		14					
(Please circle reagent that was changed prior to sampling and standardization)	NaI/NaOH	15		291	3134	11.9	5.749		15					
NOTE NEW BATCH IN LOG BOOK	H ₂ SO ₄	16							16					
	KIO ₃	17							17					
	THIO	18							18					
Notes:		19							19					
		20							20					
		21							21					
		22							22					
		23							23					
		24							24					

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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:	2017-65	1			294	1223	9.9	3.466							1					
Event:	104	2			295	439	9.9	3.429							2					
Station:	1b	3			296	3057	9.9	3.579							3					
Event Date (Local):	8 OCT 2017	4			297	3073	10.0	3.613							4		3050	10.0	3.601	
Analysis Date (Local):	8 OCT 2017	5			298	196	10.0	3.609							5					
Analyst:	MB	6			299	3067	10.0	3.631							6					
Stdization Date (Local):	8 OCT 2017	7			300	2056	10.0	3.624							7					
KIO ₃ N:	0.0123057	8			301	1416	10.1	3.652							8		1406	10.1	3.651	
Standard Titer:	0.5117	9			302	3078	10.1	3.792							9					
Blank Titer:	0.0007	10			303	3005	10.1	3.695							10					
THIO N:	0.240879	11			304	1407	10.1	3.836							11					
Sample Flask Water Seal?	Yes	12													12					
	No	13													13					
Reagent Change?	MnCl ₂	14													14					
(Please circle reagent that was changed prior to sampling and standardization)	NaI/NaOH	15													15					
NOTE NEW BATCH IN LOG BOOK	H ₂ SO ₄	16													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.