

Institute of Ocean Sciences

Swordfish

Last Updated: July 2015

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

Bender / Furman

Last Updated: July 2015



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:	2017-64	1				10	3148	9.8	3.324		1					
Event:	3	2				11	3145	9.8	3.377	1st Bottle - Bottle B. Difference % = 3000	2					
Station:	59	3				12A	3150	9.9	3.445		3	12B	3128	9.9	3.444	
Event Date (local):	21 June 2017	4				13	3129	9.9	3.546		4					
Analysis Date (local):	21 June 2017	5				14	3135	10.0	3.619		5					
Analyst:	SR	6				15	3193	10.1	3.782		6					
Standardization Date (local):	21 June 2017	7				16	3125	10.5	4.110		7					
KIO ₃ N:	0.0118	8				17	3142	10.9	4.489		8					
Standard Titer:	0.492244	9				18	3138	11.0	4.546		9					
Blank Titer:	0.0005593	10				19	3012	11.1	4.631		10					
THIO N:	0.241055	11				20A	3132	11.1	4.635		11	20B	3028	11.1	4.632	
Sample Flask	Yes	12				21	3144	11.1	4.648		12					
Water Seal?	No	13				22	3016	11.2	4.751	1st Bottle - 2nd 5/11 = 3000 T° = 11.2	13					3016 broken!
Reagent Change?	MnCl ₂	14				23	3133	11.5	4.835		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

Institute of Ocean Sciences

Water Properties Group

SHARK

Last Updated: July 2015



Cruise and Analysis Information				Nisk ID	Nisk Int V	Sample ID	Flask 1	Draw T1 (°C)	OXY-1 (mL/L)	OXY-1 Comments	Nisk ID	Sample ID	Flask 2	Draw T2 (°C)	OXY-2 (mL/L)	OXY-2 Comments
Cruise Number:	2017-64	1		26	1429	8.7	1.023				1					
Event:	7	2		27	94	8.7	1.026				2					
Station:	102	3		28	1408	8.9	1.748				3					
Event Date (Local):	June 22 2017	4		29	2007	8.9	1.731				4					
Analysis Date (Local):	June 22 2017	5		30	3158	9.1	1.948				5					
Analyst:	SK	6		31A	7025	9.2	2.273				6	31B	2019	9.3	2.268	
Standardization Date (Local):	21 June 2017	7		32	2017	9.5	2.614				7					
KIO ₃ N:	0.0118636	8		33	2016	10.1	3.443				8					
Standard Titer:	0.492244	9		34	1465	10.7	4.102				9					
Blank Titer:	0.0005553	10		35	3062	11.8	4.945				10					
THIO N:	0.241055	11		36	2015	11.5	5.036				11					
Sample Flask	Yes	12		37	7027	12.7	6.039				12					
Water Seal?	No	13		38	2015	12.9	6.123			2032	13					
Reagent Change?	MnCl ₂	14		39A	2013	13.2	6.124				14	39B	2010	13.2	6.120	B was Sampled first
(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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Dissolved Oxygen Analysis Log Sheet

Institute of Ocean Sciences

Water Properties Group

Seabirds

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:	8017-64	1		41		1083	8.7	1.816			1					
Event:	10	2		42		1472	8.5	1.825			2					
Station:	75	3		43A		3110	8.6	1.831			3	43B	1402	8.7	1.837	
Event Date (Local):	22 June 2017	4		44		1038	8.6	1.895			4					
Analysis Date (Local):	22 June 2017	5		45		3047	8.7	1.862			5					
Analyst:	SP	6		46		1482	8.9	2.112			6					
Standardization Date (Local):	21 June 2017	7		47		1459	9.5	2.796			7					
KIO ₃ N:	0.0118636	8		48		1457	10.1	3.559			8					
Standard Titer:	0.492244	9		49		1407	10.5	4.092			9					
Blank Titer:	0.0005593	10		50		1418	11.0	4.714			10					
THIO N:	0.241055	11		51A		650	11.3	4.777			11	51B	2035	11.3	4.775	
Sample Flask	Yes	12		52		1019	11.9	5.367			12					
Water Seal?	No	13		53		1470	12.7	5.996			13					
Reagent Change?	MnCl ₂	14		54		3121	13.5	6.324			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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Dissolved Oxygen Analysis Log Sheet

Institute of Ocean Sciences
Water Properties Group

See Title 11

Cruise and Analysis Information				Nisk ID		Sample ID		Draw T1 (°C)		OXY-1 (mL/L)	OXY-1 Comments	Nisk ID		Sample ID		Draw T2 (°C)		OXY-2 (mL/L)	OXY-2 Comments
Cruise Number:	2017-64			1		56	1023	8.6	2.037			1							
Event:	13			2		57	1472	8.4	1.991			2							
Station:	72			3		58	3110	8.5	1.999			3							
Event Date (Local):	June 22 2017			4		59	1402	8.4	1.994			4							
Analysis Date (Local):	June 22 2017			5		60	1035	8.4	2.003			5							
Analyst:	SP			6		61	3047	9.2	2.595			6	61	1422	9.0	2.590			
Standardization Date (Local):	21 June 2017			7		62	1459	9.8	3.513			7							
KIO ₃ N:	0.0118836			8		63	1457	10.2	3.910			8							
Standard Titer:	0.492244			9		64	1401	11.3	5.086			9							
Blank Titer:	0.0005593			10		65	1418	11.3	5.115			10							
THIO N:	0.241055			11		66	650	11.7	5.406			11	66	2036	11.6	5.399			
Sample Flask	Yes			12		67	1019	12.0	5.460			12							
Water Seal?	No			13		68	1470	12.4	5.526			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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BENDER

22:22

Dissolved Oxygen Analysis Log Sheet

Institute of Ocean Sciences

Water Properties Group

Last Updated: July 2015



Cruise and Analysis Information				Nisk				Nisk					
ID	V	S	Sample ID	Flask 1	Draw T 1 (°C)	OXY-1 (mL/L)	OXY-1 Comments	ID	Sample ID	Flask 2	Draw T 2 (°C)	OXY-2 (mL/L)	OXY-2 Comments
1			70	3148	8.5	12.050		1					defile 01701
2			71	3145	8.5	12.065		2					
3			72	3150	8.5	12.072		3					
4			73	3126	8.9	12.544		4					defile 01702
5			74	3129	9.6	3.295		5					
6			75A	3135	10.1	3.811	→	6	75B	3193	10.1	3.813	↓
7			76	3125	10.3	3.940		7					
8			77	3142	10.6	4.245		8					
9			78A	3138	11.3	4.913	→	9	78B	3022	11.2	4.912	
10			79	3132	11.6	5.276		10					
11			80	3028	11.7	5.337		11					
12			81	3144	11.8	5.303		12					merged info 01701
13								13					
14								14					
15								15					kept 01702 in folder just in case
16								16					
17								17					
18								18					
19								19					
20								20					
21								21					
22								22					
23								23					
24								24					

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Dissolved Oxygen Analysis Log Sheet

Institute of Ocean Sciences

Water Properties Group

SPERM WHALE (A-SAURUS)



Cruise and Analysis Information				Nisk ID	Nisk in 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:	2017-64			1		83	2001	9.0	2.499		1					
Event:	20			2		84A	2092	9.2	2.746		2	84B	2087	9.3	2.744	
Station:	ADCP			3		85	3106	9.7	3.270		3					
Event Date (local):	23 June 2017			4		86	1442	9.7	3.380		4					
Analysis Date (local):	23 June 2017			5		87A	2020	10.1	3.599		5	87B	2089	10.1	3.600	
Analyst:	JW & KS			6		88	462	10.6	4.270		6					
Stratization Date (local):	21 June 2017			7		89	3074	11.3	4.984		7					
KIO ₃ N:	0.0118636			8		90	3094	11.5	5.094		8					
Standard Titer:	0.492244			9		91	3055	11.7	5.211		9					
Blank Titer:	0.0005593			10		92	3052	11.8	5.260		10					
THIO N:	0.241055			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					

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Dissolved Oxygen Analysis Log Sheet

Institute of Ocean Sciences

Water Properties Group

Bender

Last updated: July 2015



Cruise and Analysis Information				Nisk ID	Nisk V	Nisk 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:	2017-64			1			109	3148	9.7	3.108		1					
Event:	28			2			110	3145	9.8	3.246		2					
Station:	62			3			111	3150	9.9	3.422		3					
Event Date (local):	23 June 2017			4			112	3126	10.2	3.715		4					
Analysis Date (local):	23 June 2017			5			113A	3129	10.7	4.261	→	5	113B	3135	10.7	4.262	
Analyst:	JW			6			114	3193	10.9	4.393		6					
Stratization Date (local):	21 June 2017			7			115	3125	11.0	4.462		7					
KIO ₃ N:	0.0118636			8			116	3142	11.1	4.536		8					
Standard Titer:	0.492244			9			117	3072	11.3	4.772		9					
Blank Titer:	0.0005593			10			118A	3138	11.5	5.016	→	10	118B	3132	11.5	5.013	
THIO N:	0.241055			11			119	3028	11.6	5.043		11					
Sample Flask Water Seal?	☒ Yes ☐ No			12								12					
Reagent Change?	☒ Yes ☐ No			13								13					
(Please circle reagent that was changed prior to sampling and standardization)	MnCl ₂			14								14					
NOTE NEW BATCH IN LOG BOOK	NaI/NaOH			15								15					
	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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Dissolved Oxygen Analysis Log Sheet

Institute of Ocean Sciences

Water Properties Group

Whale

Last Updated: July 2015



Cruise and Analysis Information				Nisk ID	Nisk Int V	Sample ID	Flask 1	Draw T1 (°C)	OXY-1 (mL/L)	OXY-1 Comments	Nisk ID	Sample ID	Flask 2	Draw T2 (°C)	OXY-2 (mL/L)	OXY-2 Comments
Cruise Number: 2017-64				1		121	2091	12.9	4.029		1					
Event: 33 34				2		122	2092	12.8	4.007		2					
Station: 86				3		123	3106	10.9	4.047		3					
Event Date (Local): 23 July 2017				4		124	2087	10.9	4.055		4					
Analysis Date (Local): 23 July 2017				5		125	1442	10.9	4.095		5					
Analyst: SR				6		126A	2020	11.1	4.211	→	6	126B	3087	11.1	4.207	
Standardization Date (Local): 23 July 2017				7		127	462	11.6	4.555		7	126B				
KIO ₃ N: 0.0118636				8		128	3074	11.2	4.364		8					
Standard Titer: 0.4426873				9		129	3094	11.2	4.396		9					
Blank Titer: 0.0006173				10		130	3055	11.3	4.482		10					
THIO N: 0.241291				11		131	3051	11.5	4.549		11					
Sample Flask Water Seal? ☒ Yes				12		132A	3101	11.5	4.615	→	12	132B	3065	11.5	4.618	
Reagent Change? ☐ No				13		133	458	12.0	4.865		13					
Reagent Change? ☐ No				14		134	2063	13.5	5.536		14					
Reagent Change? ☐ No				15							15					
Reagent Change? ☐ No				16							16					
Reagent Change? ☐ No				17							17					
Reagent Change? ☐ No				18							18					
Reagent Change? ☐ No				19							19					
Reagent Change? ☐ No				20							20					
Reagent Change? ☐ No				21							21					
Reagent Change? ☐ No				22							22					
Reagent Change? ☐ No				23							23					
Reagent Change? ☐ No				24							24					

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Dissolved Oxygen Analysis Log Sheet

Institute of Ocean Sciences

Water Properties Group

Bender

Cruise and Analysis Information				Nisk ID				Nisk Sample ID				Nisk ID			
Cruise Number:	2017-64	1	136	3148	10.4	3.857		1							
Event:	42	2	137	3145	10.4	3.908		2							
Station:	462	3	138	3150	10.5	4.054		3							
Event Date (Local):	June 23 2017	4	139	3125	10.7	4.556		4							
Analysis Date (Local):	June 23 2017	5	140	3129	10.8	4.396		5							
Analyst:	SR	6	141	3135	10.9	4.521	-7	6	3173	10.9	4.514				
Standardization Date (Local):	23 June 2017	7	142	3125	10.9	4.748		7							
KIO ₃ N:	0.0118636	8	143	3142	11.6	5.107		8							
Standard Titer:	0.4926878	9	144	3082	12.7	5.542		9							
Blank Titer:	0.0006178	10	145	3138	13.9	5.989		10							
THIO N:	0.241071	11	146	3132	15.1	6.467	-7	11	3082	15.1	6.472				
Sample Flask	Yes	12						12							
Water Seal?	No	13	147	3144	16.8	6.880		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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Dissolved Oxygen Analysis Log Sheet

Institute of Ocean Sciences

Water Properties Group

Leather Back Sea-turtle Annapolis

Last Updated: July 2015



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: 2017-64				1		149	1023	11.0	2.505		1					
Event: 50				2		150	1472	10.9	2.597		2					
Station: 42				3		151	3110	10.8	2.501		3					
Event Date (Local): 24 June 2017				4		152	1402	10.5	2.848		4					
Analysis Date (Local): 24 June 2017				5		153	1036	-710.43	3.566		5	153	3047	10.4	3.566	
Analyst: SN				6		154	1422	10.3	3.977		6					
Standardization Date (Local): 23 June 2017				7		155	1459	10.0	4.169	?? Not drawn	7					Bottle 7 didn't fire
KIO ₃ N: 0.0118636				8		156	1457	10.0	4.169		8					
Standard Titer: 0.4926878				9		157	1401	9.9	4.451		9					
Blank Titer: 0.0006178				10		158	1418	10.2	4.515		10					
THIO N: 0.241051				11		159	650	10.7	4.712		11					
Sample Flask				12		160	2035	11.5	5.044		12					
Water Seal?				13		161	1019	13.0	5.685		13					
Reagent Change?				14		162	1470	-716.7	6.757		14	162	3121	16.7	6.762	
(Please circle reagent that was changed prior to sampling and standardization)				15		163	3090	17.1	6.925		15					
NOTE NEW BATCH IN LOG BOOK				16		164	3085	16.9	6.917		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.

Dissolved Oxygen Analysis Log Sheet

Institute of Ocean Sciences

Water Properties Group

BANDER

Last updated: July 2015

Cruise and Analysis Information				Nisk ID	Nisk V	Nisk 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:	2017-04			1			166	3148	11.1	1.949		1					
Event:	53			2			167	3145	10.8	2.044		2					
Station:	39			3			168	3150	10.7	2.530		3					
Event Date (Local):	24 JUNE 2017			4			169	3196	10.1	3.463		4					
Analysis Date (Local):	24 JUNE 2017			5			170	3129	10.4	3.261		5					
Analyst:	SN			6			171	3135	10.3	3.380		6					
Standardization Date (Local):	23 JUNE 2017			7			172	3193	10.3	3.533		7					
KIO ₃ N:	0.0118636			8			173A	3125	10.1	4.228		8					
Standard Titer:	0.4926878			9			174	3072	10.0	4.560		9					
Blank Titer:	0.0006178			10			175	3138	9.9	4.515		10					
THIO N:	0.241091			11			176	3132	10.4	4.491		11					
Sample Flask Water Seal?	Yes			12			177	3028	10.8	4.648		12					
Reagent Change?	MnCl ₂			13			178	3144	11.4	4.979		13					
(Please circle reagent that was changed prior to sampling and standardization)	NaI/NaOH			14			179A	3000	12.5	5.454		14					
NOTE NEW BATCH IN LOG BOOK	H ₂ SO ₄			15			180	3134	15.1	6.602		15					
	KIO ₃			16			181	3147	16.8	6.853		16					
	THIO			17			182	569	17.1			17					
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

Institute of Ocean Sciences

Water Properties Group

Sperm Whale

Last Updated: July 2015



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:	2017-64			1		192	20911	10.9	1.980		1					
Event:	56			2		193	2092	10.7	2.368		2					
Station:	27			3		194	3106	10.5	2.953		3					
Event Date (Local):	24 June 2017			4		195	2087	10.3	3.710		4					
Analysis Date (Local):	24 June 2017			5		196	1442	10.4	3.811		5					
Analyst:	SA			6		197	2020	10.3	4.177		6					
Standardization Date (Local):	23 June 2017			7		198A	3089	10.0	4.369	→	7	198B	462	10.1	4.368	
KIO ₃ N:	0.0118636			8		199	3094	10.0	4.474		8					
Standard Titer:	0.4926873			9		200	3094	10.1	4.524		9					
Blank Titer:	0.0006173			10		201	3055	9.9	4.550		10					
THIO N:	0.241091			11		202	3052	9.9	4.555		11					
Sample Flask Water Seal?	Yes			12		203	3101	10.3	4.544		12					
	No			13		204	3065	10.7	4.742		13					
Reagent Change?	MnCl ₂			14		205	458	11.5	5.318		14					
(Please circle reagent that was changed prior to sampling and standardization)	NaI/NaOH			15		206A	2063	13.6	7.728	→	15	206B	3103	13.6	7.689	
NOTE NEW BATCH IN LOG BOOK	H ₂ SO ₄			16		207	3098	17.5	7.573		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.

Software
Crash
DS602
merged
IX
Q5601

Dissolved Oxygen Analysis Log Sheet

Institute of Ocean Sciences

Water Properties Group

Abdel Nazeer Bader

Last Updated: July 2015



Cruise and Analysis Information				Nisk				Nisk				Nisk			
ID	V	S	Sample ID	Flask 1	Draw T1 (°C)	OXY-1 (mL/L)	OXY-1 Comments	ID	Sample ID	Flask 2	Draw T2 (°C)	OXY-2 (mL/L)	OXY-2 Comments		
1			209	3148	16.2	2.571		1							
2			210	3145	10.5	2.994		2							
3			211	3150	10.3	3.558		3	211	3126	10.5	3.556			
4			212	3129	10.2	3.677		4							
5			213	3135	10.2	4.095		5							
6			214	3193	10.4	4.245		6							
7			215	3125	10.1	4.504		7							
8			216	3142	9.8	4.600		8							
9			217	3072	9.9	4.430		9							
10			218	3338	10.1	4.415	100% TOP CAP	10							
11			219	3132	10.6	4.526		11							
12			220	3028	11.7	5.004		12							
13			221	3144	7.31	5.649		13	221	3000	13.1	5.656			
14			222	3133	13.7	5.868		14							
15			223	3134	16.1	7.259		15							
16								16							
17								17							
18								18							
19								19							
20								20							
21								21							
22								22							
23								23							
24								24							

Notes:

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

24017-64 sample named cor11

Mushakaha!

Cruise and Analysis Information				Nisk ID				Nisk ID																	
Cruise Number:	2017-64	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24
Event:	075	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	
Station:	BS17	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	
Event Date (Local):	25 June 2017	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	
Analysis Date (Local):	25 June 2017	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	
Analyst:	K5	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	
Standardization Date (Local):	23 June 2017	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	
KIO ₃ N:	0.0118636	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	
Standard Titer:	0.49269	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	
Blank Titer:	0.00062	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	
THIO N:	0.24109	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	
Sample Flask	Yes	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	
Water Seal?	No	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	
Reagent Change?	MnCl ₂	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	
(Please circle reagent that was changed prior to sampling and standardization)	NaI/NaOH	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	
NOTE NEW BATCH IN LOG BOOK	H ₂ SO ₄	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	
	KIO ₃	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	
	THIO	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	
Notes:		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

Whale

Cruise and Analysis Information				Nisk ID	Nisk V	Nisk 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:	2017-64			1			243	2091	10.1	3.464		1					
Event:	78			2			244	2092	10.0	3.794		2					
Station:	6			3			245	3106	9.9	4.098		3					
Event Date (Local):	25 June 2017			4			246	2087	9.8	4.196		4					
Analysis Date (Local):	25 June 2017			5			247	1442	9.6	4.439	→	5	2476	2020	9.7	4.439	
Analyst:	KS			6			248	3089	9.6	4.511		6					
Stdization Date (Local):	23 June 2017			7			249	462	10.2	4.366		7					
KIO ₃ N:	0.0118636			8			250	3094	11.3	4.453		8					
Standard Titer:	0.49269			9			251	3094	11.0	4.818		9					
Blank Titer:	0.60062			10			252A	3055	11.9	5.207	→	10	2528	3052	11.9	5.213	
THIO N:	0.24109			11			253	3101	12.5	5.653		11					
Sample Flask Water Seal?	☒ Yes			12			254	3065	14.5	6.439		12					
	No			13			255	456	16.3	6.815		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

Institute of Ocean Sciences

Water Properties Group

Bender

Last Updated: July 2015



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: 2017-64				1		270	3148	10.5	2.718		1					
Event: 85				2		271	3145	10.2	2.969		2					
Station: 12				3		272	3126	10.1	3.461		3					
Event Date (Local): 25 June 2017				4		273A	3156	10.0	3.660	⇒	4	273B	3129	10.0	3.655	
Analysis Date (Local): 25 June 2017				5		274	3135	9.9	3.849		5					
Analyst: KS SR				6		275	3193	9.7	4.053		6					
Standardization Date (Local): 25 June 2017				7		276	3125	9.7	4.230		7					
KIO ₃ N: 0.0118636				8		277A	3142	9.7	4.444	⇒	8	277B	3072	9.7	4.436	
Standard Titer: 0.44269				9		278	3138	9.8	4.243		9					
Blank Titer: 0.00062				10		279	3132	10.1	4.343		10					
THIO N: 0.24109				11		280	3028	10.5	4.457		11					
Sample Flask Water Seal? Yes				12		281	3144	11.1	4.749		12					
Reagent Changed? No				13		282	3000	11.4	4.839		13					
Reagent: MnCl ₂				14		283	3133	12.1	5.120		14					
(Please circle reagent that was changed prior to sampling and standardization)				15		284	3134	14.5	6.390		15					
NOTE NEW BATCH IN LOG BOOK				16		285	3147	17.5	6.952		16					
LOG BOOK				17							17					
				18							18					
				19							19					
Notes: 0.4523633				20							20					
0.0010415				21							21					
0.2413				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

WHALE 08801

guess 9.3

Last Updated: July 2015



Cruise and Analysis Information				Nisk ID				Sample ID				Draw T 1 (°C)				OXY-1 (mL/L)				OXY-1 Comments				Nisk ID				Sample ID				Draw T 2 (°C)				OXY-2 (mL/L)				OXY-2 Comments											
Cruise Number:	2017-611			ID	1			Sample ID	287			Flask 1	2041			Draw T 1 (°C)	9.8			OXY-1 (mL/L)	3.546							ID	1			Sample ID	288			Flask 2	3106			Draw T 2 (°C)	9.8			OXY-2 (mL/L)	4.007						
Event:	88			ID	2			Sample ID	288			Flask 1	2042			Draw T 1 (°C)	9.8			OXY-1 (mL/L)	3.987							ID	2			Sample ID	288			Flask 2	3106			Draw T 2 (°C)	9.8			OXY-2 (mL/L)							
Station:	16			ID	3			Sample ID	289			Flask 1	2083			Draw T 1 (°C)	9.8			OXY-1 (mL/L)	4.131							ID	3			Sample ID				Flask 2				Draw T 2 (°C)				OXY-2 (mL/L)							
Event Date (Local):	Sun 25 2017			ID	4			Sample ID	290			Flask 1	1442			Draw T 1 (°C)	9.8			OXY-1 (mL/L)	4.212							ID	4			Sample ID				Flask 2				Draw T 2 (°C)				OXY-2 (mL/L)							
Analysis Date (Local):	25 June 2017			ID	5			Sample ID	291			Flask 1	2080			Draw T 1 (°C)	10.3			OXY-1 (mL/L)	4.157							ID	5			Sample ID				Flask 2				Draw T 2 (°C)				OXY-2 (mL/L)							
Analyst:	an			ID	6			Sample ID	292			Flask 1	3089			Draw T 1 (°C)	10.6			OXY-1 (mL/L)	4.286							ID	6			Sample ID				Flask 2				Draw T 2 (°C)				OXY-2 (mL/L)							
Standardization Date (Local):	25 June 2017			ID	7			Sample ID	293			Flask 1	462			Draw T 1 (°C)	10.9			OXY-1 (mL/L)	4.484							ID	7			Sample ID				Flask 2				Draw T 2 (°C)				OXY-2 (mL/L)							
KIO ₃ N:	0.0118636			ID	8			Sample ID	294			Flask 1	3094			Draw T 1 (°C)	11.1			OXY-1 (mL/L)	4.556							ID	8			Sample ID	294			Flask 2	3094			Draw T 2 (°C)	11.1			OXY-2 (mL/L)	4.555						
Standard Titer:	0.4923633			ID	9			Sample ID	295			Flask 1	3055			Draw T 1 (°C)	11.5			OXY-1 (mL/L)	4.765							ID	9			Sample ID				Flask 2				Draw T 2 (°C)				OXY-2 (mL/L)							
Blank Titer:	0.0010415			ID	10			Sample ID	296			Flask 1	3052			Draw T 1 (°C)	12.2			OXY-1 (mL/L)	5.151							ID	10			Sample ID				Flask 2				Draw T 2 (°C)				OXY-2 (mL/L)							
THIO N:	0.2413			ID	11			Sample ID	297			Flask 1	3101			Draw T 1 (°C)	13.3			OXY-1 (mL/L)	5.760							ID	11			Sample ID				Flask 2				Draw T 2 (°C)				OXY-2 (mL/L)							
Sample Flask Water Seal?	☒ Yes			ID	12			Sample ID				Flask 1				Draw T 1 (°C)				OXY-1 (mL/L)								ID	12			Sample ID				Flask 2				Draw T 2 (°C)				OXY-2 (mL/L)							
	☐ No			ID	13			Sample ID				Flask 1				Draw T 1 (°C)				OXY-1 (mL/L)								ID	13			Sample ID				Flask 2				Draw T 2 (°C)				OXY-2 (mL/L)							
Reagent Change?	MnCl ₂			ID	14			Sample ID				Flask 1				Draw T 1 (°C)				OXY-1 (mL/L)								ID	14			Sample ID				Flask 2				Draw T 2 (°C)				OXY-2 (mL/L)							
(Please circle reagent that was changed prior to sampling and standardization)	NaI/NaOH			ID	15			Sample ID				Flask 1				Draw T 1 (°C)				OXY-1 (mL/L)								ID	15			Sample ID				Flask 2				Draw T 2 (°C)				OXY-2 (mL/L)							
NOTE NEW BATCH IN LOG BOOK	H ₂ SO ₄			ID	16			Sample ID				Flask 1				Draw T 1 (°C)				OXY-1 (mL/L)								ID	16			Sample ID				Flask 2				Draw T 2 (°C)				OXY-2 (mL/L)							
	KIO ₃			ID	17			Sample ID				Flask 1				Draw T 1 (°C)				OXY-1 (mL/L)								ID	17			Sample ID				Flask 2				Draw T 2 (°C)				OXY-2 (mL/L)							
	THIO			ID	18			Sample ID				Flask 1				Draw T 1 (°C)				OXY-1 (mL/L)								ID	18			Sample ID				Flask 2				Draw T 2 (°C)				OXY-2 (mL/L)							
Notes:				ID	19			Sample ID				Flask 1				Draw T 1 (°C)				OXY-1 (mL/L)								ID	19			Sample ID				Flask 2				Draw T 2 (°C)				OXY-2 (mL/L)							
				ID	20			Sample ID				Flask 1				Draw T 1 (°C)				OXY-1 (mL/L)								ID	20			Sample ID				Flask 2				Draw T 2 (°C)				OXY-2 (mL/L)							
				ID	21			Sample ID				Flask 1				Draw T 1 (°C)				OXY-1 (mL/L)								ID	21			Sample ID				Flask 2				Draw T 2 (°C)				OXY-2 (mL/L)							
				ID	22			Sample ID				Flask 1				Draw T 1 (°C)				OXY-1 (mL/L)								ID	22			Sample ID				Flask 2				Draw T 2 (°C)				OXY-2 (mL/L)							
				ID	23			Sample ID				Flask 1				Draw T 1 (°C)				OXY-1 (mL/L)								ID	23			Sample ID				Flask 2				Draw T 2 (°C)				OXY-2 (mL/L)							
				ID	24			Sample ID				Flask 1				Draw T 1 (°C)				OXY-1 (mL/L)								ID	24			Sample ID				Flask 2				Draw T 2 (°C)				OXY-2 (mL/L)							

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

Bender

Cruise and Analysis Information				Nisk ID	Nisk V	Nisk 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:	2017-64			1			299	3148	10.5	2.964							
Event:	95			2			300	3145	10.2	3.277							Reboot laptop.
Station:	14			3			301	3126	10.2	3.589							
Event Date (Local):	25 June 2017			4			302	3150	10.1	~7	3.662		302	3129	10.1	3.671	
Analysis Date (Local):	25 June 2017			5			303	3135	10.0	3.879							
Analyst:	SR			6			304	3193	9.9	4.267							
Standardization Date (Local):	25 June 2017			7			305	3125	9.9	4.355							
KIO ₃ N:	0.0118636			8			306	3142	10.1	4.276							
Standard Titer:	0.4923633			9			307	3072	10.5	4.389							
Blank Titer:	0.0010415			10			308	3138	10.8	~7	4.506		308	3132	10.9	4.513	
THIO N:	0.2413			11			309	3088	11.1	4.598							
Sample Flask Water Seal?	☒ Yes			12			310	3144	11.7	4.948							
	☐ No			13			311	3000	12.2	5.195							
Reagent Change?	MnCl ₂			14			312	3133	12.3	5.327							
(Please circle reagent that was changed prior to sampling and standardization)	NaI/NaOH			15			313	3134	14.1	6.572							
NOTE NEW BATCH IN LOG BOOK	H ₂ SO ₄			16													
	KIO ₃			17													
	THIO			18													
Notes:				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.