

Dissolved Oxygen Analysis Log Sheet

Institute of Ocean Sciences
Water Properties Group

SWORDFISH Row 1

station 3
cast 1 datafile 10115

Last Updated: July 2015



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:	2015-21	1	✓✓	1	1417	12.3	5.614	bubbles in flask → overtitrated	1					
Event:	3	2	✓✓	2	1418	12.3	5.999		2					Glenn says that MnCl ₂ dispenser is "really sticky" - not dispensing smoothly - will change out dispenser after C602
Station:	L801	3	✓✓	3	1422	12.1	6.070		3					
Event Date (Local):	Sept 4/15	4	✓✓	4	1426	12.1	6.603		4					
Analysis Date (Local):	4 Sept 15	5	✓✓	5	1427	12.2	6.628		5					
Analyst:	Tamara	6							6					
Stdization Date (Local):	4 Sept 15	7							7					
KIO ₃ N:	0.0100261	8							8					
Standard Titer:	0.4218789	9							9					
Blank Titer:	0.0000859	10							10					
THIO N:	0.237441	11							11					
Sample Flask Water Seal?	(Yes) No	12							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:	MnCl ₂ dispenser #12 for this profile and all rest of profiles	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
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SWORDFISH

Row 2

Station 4
cast 1

date file 10115

Last Updated: July 2015



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: 2015-21	1			6	1442	11.7	5.033	no water seal on this flask	1					1					
Event: 4	2			7	1446	11.8	5.168		2					2					
Station: L302	3			8 ^A	1457	12.5	5.515		3	8 ^B	1459	12.5	5.570	3	8 ^B	1459	12.5	5.570	
Event Date (Local): 4 Sept 2015	4			9	1460	12.3	5.417		4					4					
Analysis Date (Local): 4 Sept 15	5			10	1465	11.5	4.647		5					5					
Analyst: Tamar	6								6					6					
Stdization Date (Local): 4 Sept 15	7								7					7					
KIO ₃ N: 0.0100261	8								8					8					
Standard Titer: 0.4218789	9								9					9					
Blank Titer: 0.0000859	10								10					10					
THIO N: 0.237441	11								11					11					
Sample Flask (yes)	12								12					12					
Water Seal? No	13								13					13					
Reagent Change? MnCl ₂	14								14					14					
(Please circle reagent that was changed prior to sampling and standardization)	15								15					15					
NOTE NEW BATCH IN LOG BOOK	16								16					16					
	17								17					17					
	18								18					18					
	19								19					19					
	20								20					20					
	21								21					21					
	22								22					22					
	23								23					23					
	24								24					24					

Notes:
MnCl₂
dispenser #12

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.

Swordfish

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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:	2015-21	1		12	1470	9.3	3.397		1					
Event:	6	2		13 ^A	1472	9.4	3.599	⇒	2	13 ^B	2000	9.5	3.599	☺
Station:	LB04	3		14	2007	10.7	4.098		3					
Event Date (Local):	4 Sept 2015	4		15	2014	11.5	5.251	redo - bubbles in sample	4					
Analysis Date (Local):	4 Sept 15	5		16	2015	12.6	6.044	doliolid in sample	5					
Analyst:	Tamara	6		17	2016	14.4	6.049	redo - bubbles in sample	6					
Stdization Date (Local):	4 Sept 15	7		18	2017	14.7	6.056	doliolid in sample	7					
KIO ₃ N:	0.0100261	8							8					
Standard Titer:	0.4218789	9							9					
Blank Titer:	0.0000859	10							10					
THIO N:	0.237441	11							11					
Sample Flask Water Seal?	(Yes) No	12							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					

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 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: 2015-21	1		20	2019	8.5	2.476		1					
Event: 10	2		21A	2020	8.5	2.564		2	21B	2025	8.5	2.560	
Station: LBO6	3		22	2027	8.6	3.022	leaky SpicKett	3					
Event Date (Local): 4 Sept 2015	4		23	2032	8.8	3.681	leaky SpicKett	4					
Analysis Date (Local): 4 Sept 15	5		24	2040	10.0	3.919		5					
Analyst: Tamar	6		25	2043	12.9	5.341		6					
Stdization Date (Local): 4 Sept 15	7		26	2047	14.3	6.324	2051	7					Should be 2051
KIO ₃ N: 0.0100261	8		27	2051	14.6	6.336	2047	8					" " 2047
Standard Titer: 0.4218789	9							9					
Blank Titer: 0.0000859	10							10					
THIO N: 0.237441	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)	15							15					
NOTE NEW BATCH IN LOG BOOK	16							16					
	17							17					
	18							18					
	19							19					
	20							20					
	21							21					
	22							22					
	23							23					
	24							24					

Notes: MnCl₂ dispenser #10 from now on

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.

WHALE FIRST 2 ROWS

Last Updated: July 2015

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:	2015-21	1			29	3088	8.1	2.104		1	30				
Event:	22	2			30	3121	8.1	2.145		2	30	3085	8.1	2.141	
Station:	LR08	3			31	3086	8.1	2.142		3					
Event Date (Local):	04.09.15	4			32	3088	8.3	2.217		4					
Analysis Date (Local):	05 Sept 15	5			33	3089	8.4	2.560		5					
Analyst:	Tamara	6			34	3090	9.4	2.994		6					
Stdization Date (Local):	04 Sept 15	7			35	3093	10.7	3.987		7					
KIO ₃ N:	0.0100261	8			36	3094	13.2	6.070	2 doliolids	8					
Standard Titer:	0.4218789	9			37	3095	13.6	6.217		9					
Blank Titer:	0.0000859	10			38	3096	13.7	6.217		10					
THIO N:	0.237441	11								11					
Sample Flask Water Seal?	(Yes) No	12								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					

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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WHALE 3+4th ROW

Last Updated: July 2015



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:	2015-21	1			39	3099	8.2	1.666		1					
Event:	24	2			40	3100	8.1	1.668		2					
Station:	LB09	3			41	3101	8.1	1.709		3					
Event Date (Local):	04-09-15	4			42	3103	8.2	2.015	Redraw	4					
Analysis Date (Local):	05 Sept 15	5			43	3104	8.5	2.524		5					
Analyst:	Tamara	6			44	3106	10.0	3.507		6					
Stdization Date (Local):	04 Sept 15	7			45	3107	11.4	4.457	→	7	45	3108	11.4	4.463	
KIO ₃ N:	0.0100261	8			46	3109	13.4	6.093		8					
Standard Titer:	0.4218789	9			47	3110	14.0	6.335		9					
Blank Titer:	0.0000859	10								10					
THIO N:	0.237441	11								11					
Sample Flask Water Seal?	☒ Yes No	12								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					

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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Swordfish

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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:	2015-21						1			49	1417	8.5	2.124		1					
Event:	27						2			50	1418	8.4	2.195		2					
Station:	LB 11						3			51	1422	8.6	2.398		3					
Event Date (Local):	5 Sept 2015						4			52	1426	8.6	X	stopper stuck in flask - discard	4					Flask - cracked @ neck (from trying to get it open)
Analysis Date (Local):	05 Sept 15						5			53	1427	9.0	4.386		5					
Analyst:	Tamara						6			54	1429	9.5	4.780		6					
Stdization Date (Local):	04 Sept 15						7			55	1442	11.0	5.782		7	55	1446	11.0	5.782	😊
KIO ₃ N:	0.0100261						8			56	1457	12.7	6.574		8					
Standard Titer:	0.4218789						9			57	1459	17.4	5.826		9					
Blank Titer:	0.0000859						10			58	1460	17.7	5.696		10					
THIO N:	0.237441						11			59	1465	17.7	5.699		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.

Swordfish

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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:	1521	1			60	1470	7.3	0.970		1					
Event:	28	2			61	1472	7.5	1.721		2					
Station:	LB12	3			62A	2002	7.9	2.614	⇒	3	62B	2007	8.1	2.603	
Event Date (Local):	5 Sept 2015	4			63	2014	8.3	2.499	α is this 8.5? Entered as 8.3	4					
Analysis Date (Local):	5 Sept 15	5			64	2015	8.6	2.871		5					
Analyst:	Tamara	6			65	2016	8.7	2.600		6					
Stdization Date (Local):	4 Sept 15	7			66	2017	8.7	2.750		7					
KIO ₃ N:	0.0100261	8			67	2019	8.8	2.891		8					
Standard Titer:	0.4218789	9			68	2020	8.9	4.197		9					
Blank Titer:	0.0000859	10			69	2025	9.7	4.860		10					
THIO N:	0.237441	11			70	2027	11.3	6.066		11					
Sample Flask Water Seal?	(Yes) No	12			71	2032	15.2	6.162		12					
Reagent Change?	MnCl ₂	13			72	2040	17.4	5.699		13					
(Please circle reagent that was changed prior to sampling and standardization)	NaI/NaOH	14			73A	2043	17.8	5.657	⇒	14	73B	2047	17.7	5.659	
NOTE NEW BATCH IN LOG BOOK	H ₂ SO ₄	15			74	2051	17.8	5.659		15					
	KIO ₃	16								16					
	THIO	17								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.

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Institute of Ocean Sciences
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Dino box

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:	2015-21						1			76	650	6.3	0.268		1						
Event:	30						2			77A	657	6.0	0.381		2	77B	658	6.1	0.385		
Station:	LB14						3			78	650	6.5	0.268		3						
Event Date (Local):	5 Sept 2015						4			79	705	6.9	0.814		4						
Analysis Date (Local):	5 Sept 15						5			80	708	7.3	1.358		5						
Analyst:	TAMARA						6			81	712	7.7	1.961		6						
Stdization Date (Local):	4 Sept 15						7			82	715	8.1	2.121		7						
KIO ₃ N:	0.0100261						8			83	745	8.2	2.344		8						
Standard Titer:	0.4218 789						9			84	1002	8.4	3.246		9					leaky spigot	
Blank Titer:	0.0000859						10			85	1015	8.6	3.411		10						
THIO N:	0.237441						11			86A	1019	8.7	3.899	86B analyzed first	11	86B	1023	8.8	3.892	analyzed before 86A	
Sample Flask Water Seal?	(Yes) No						12			87	1035	8.9	4.470		12						
Reagent Change?	MnCl ₂						13			88	1050	9.7	4.982		13						
(Please circle reagent that was changed prior to sampling and standardization)	NaI/NaOH						14			89	1053	11.4	6.614		14						
NOTE NEW BATCH IN LOG BOOK	H ₂ SO ₄						15			90	1054	14.8	6.240		15						
	KIO ₃						16			91	1055	17.5	5.669		16						
	THIO						17			92	1059	17.6	5.682		17						
Notes:							18			93	1195	17.6	5.704		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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Shark box

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:	2015-21	1			96	3044	6.0	0.691		1					
Event:	37	2			97A	3046	6.0	0.408		2	97B	3047	6.3	0.410	
Station:	LC11	3			98	3048	6.1	0.240		3					
Event Date (Local):	05.09.15	4			99	3049	6.4	0.248		4					
Analysis Date (Local):	06 Sept 15	5			100	3050	6.9	0.803		5					
Analyst:	Tamara	6			101	3051	7.1	1.303	overtitrated - end of 1 st curve looked wonky	6					
Stdization Date (Local):	5 Sept 15	7			102	3052	7.5	1.990		7					
KIO ₃ N:	0.0100261	8			103	3053	7.8	2.327		8					
Standard Titer:	0.4220537	9			104	3054	8.1	2.658		9					
Blank Titer:	0.0001482	10			105	3055	8.2	2.863		10					
THIO N:	0.237444	11			106	3056	8.3	3.133		11					
Sample Flask Water Seal?	Yes	12			107A	3057	8.4	3.541		12	107B	3059	8.5	3.544	
	No	13			108	3061	8.5	2.886		13					
Reagent Change?	MnCl ₂	14			109	3062	8.9	3.409		14					
(Please circle reagent that was changed prior to sampling and standardization)	NaI/NaOH	15			110	3065	9.6	3.466		15					
NOTE NEW BATCH IN LOG BOOK	H ₂ SO ₄	16			111	3066	13.1	5.161		16					
	KIO ₃	17			112	3067	15.4	5.945		17					
	THIO	18			113	3068	16.0	5.988		18					
Notes:		19			114	3070	16.1	5.985	doliodid(s)	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.

LC08

Dissolved Oxygen Analysis Log Sheet

Institute of Ocean Sciences
Water Properties Group

Last Updated: July 2015



Shark Box First 2 Rows

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: 2015-21	1		132	3044	8.3	1.845		1					
Event: 43	2		133	3046	8.2	1.573		2					
Station: LC08	3		134	3047	8.2	1.967		3					
Event Date (Local): 06-09-15	4		135	3048	8.5	3.739		4					
Analysis Date (Local): 07 Sept 15	5		136	3049	8.7	4.235		5					
Analyst: Tamara	6		137	3050	9.5	4.824		6					
Stdization Date (Local): 05 Sept 15	7		138	3051	10.5	6.004	A	7	138	3052	10.5	6.003	B
KIO ₃ N: 0.0100261	8		139	3053	10.8			8					- DO BOTTLE BROKE
Standard Titer: 0.4220537	9		140	3054	10.8	5.877		9					
Blank Titer: 0.0001482	10		141	3055	12.7	6.405		10					
THIO N: 0.237444	11		142	3056	15.2	6.245		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)	15							15					
	16							16					
NOTE NEW BATCH IN LOG BOOK	17							17					
	18							18					
Notes: analysed before event 39	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



SHARK 3 row

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: 2015-21	1		143	3055	8.6	2.439	* had not changed event number	1					run 2 event number 43*
Event: 47	2		144	3061	8.6	2.470		2					
Station: LC06	3		145	3062	8.7	3.544		3					
Event Date (Local): 06.09.15	4		146	3063	9.7	3.994		4					
Analysis Date (Local): 07 Sept 15	5		147	3066	12.5	4.328	temp entered as 12.5 (TF)	5					
Analyst: Tamarac	6		148	3067	13.3	6.679		6					
Stdization Date (Local): 05 Sept 15	7		149	3068	13.9	6.749	dotiolid	7	149	3070	13.9	6.757	
KIO ₃ N: 0.0100261	8							8					
Standard Titer: 0.4220537	9							9					
Blank Titer: 0.0001482	10							10					
THIO N: 0.237444	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)	15							15					
NaI/NaOH	16							16					
H ₂ SO ₄	17							17					
NOTE NEW BATCH IN LOG BOOK	18							18					
KIO ₃	19							19					
THIO	20							20					
Notes: analysed before event 39, after event 43	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

Swordfish box

Last Updated: July 2015



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: 2015-21	1		115	1417	6.8	0.346		1					
Event: 39	2		116	1418	7.3	0.903		2					
Station: LCO9	3		117	1422	7.4	1.412		3					
Event Date (Local): 6 SEPT 2015	4		118	1427	7.8	1.954		4					
Analysis Date (Local): 07 Sept 15	5		119	1429	8.2	2.552		5	119B	1442	8.3	2.554	
Analyst: Tamar	6		120	1446	8.5	2.843		6					
Stdization Date (Local): 06 Sept 15	7		121	1457	8.6	2.356		7					
KIO ₃ N: 0.0100261	8		122	1459	8.6	2.806		8					
Standard Titer: 0.4220537	9		123	1460	8.7	3.380		9					
Blank Titer: 0.0001482	10		124	1465	8.7	3.997	dropped in 2 stirbers - retrieved one & let it ^{small amt} erasing	10	EDMR				
THIO N: 0.237444	11		125	1470	9.5	4.806		11					
Sample Flask (yes)	12		126	1472	11.2	6.090		12					
Water Seal? No	13		127A	2000	12.8	6.574	12.9	13	127B	2007	12.8	6.573	
Reagent Change? MnCl ₂	14		128	2014	16.8	5.879		14					
(Please circle reagent that was changed prior to sampling and standardization)	15		129	2015	17.3	5.810		15					
H ₂ SO ₄	16		130	2016	12.6	5.827		16					
NOTE NEW BATCH IN LOG BOOK	17							17					
KIO ₃	18							18					
THIO	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

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Whale Box

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:	2015-21	1			150	3083	8.7	2.534		1					
Event:	50	2			151	3121	8.7	2.645		2					
Station:	LC04	3			152	3085	8.7	2.922		3					
Event Date (Local):	7 Sept 2015	4			153	3086	9.0	3.268		4					
Analysis Date (Local):	7 Sept 15	5			154	3088	9.7	3.615		5					
Analyst:	Tamara	6			155	3089	10.1	3.625		6					
Stdization Date (Local):	5 Sept 15	7			156A	3090	12.5	5.176		7	156B	3093	12.4	5.178	B analyzed before A
KIO ₃ N:	0.0100261	8			157	3094	13.7	5.833		8					
Standard Titer:	0.4220537	9			158	3095	15.2	6.069		9					
Blank Titer:	0.0001482	10			159	3096	15.5	6.082		10					
THIO N:	0.237444	11			160					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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Water Properties Group

Whale

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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: 2015-21	1			160	3098	9.4	2.666		1	161				
Event: S2	2			161	3099	11.0	4.335		2	200	3100	11.0	4.329	
Station: LCO2	3			162	3101	12.1	4.860		3					
Event Date (Local): 7 Sept 2015	4			163	3103	12.5	5.001		4					
Analysis Date (Local): 7 Sept 15	5			164	3104	13.6	5.730		5					
Analyst: Tamara	6			165	3106	14.0	5.853		6					
Stdization Date (Local): 5 Sept 15	7			166	3107	14.7	5.932		7					
KIO ₃ N: 0.0100261	8								8					
Standard Titer: 0.4220537	9								9					
Blank Titer: 0.0001482	10								10					
THIO N: 0.237444	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)	15								15					
NOTE NEW BATCH IN LOG BOOK	16								16					
	17								17					
	18								18					
	19								19					
	20								20					
	21								21					
	22								22					
	23								23					
	24								24					

Bottle integrity: First test the top vent (V) by opening the lower spigot (S) then test the spigot by opening the vent. Mark 'x' in the appropriate column if either fails the integrity check and explain this in the comments column.

Dissolved Oxygen Analysis Log Sheet

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whale

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: 2015-21	1			168	3109	10.4	3.970		1					
Event: 53	2			169	3110	10.9	4.262		2					
Station: LCO1	3			170	3111	12.1	4.983	→	3	3114	12.1		4.983	😊
Event Date (Local): 7 Sept 2015	4			171	3116	12.5	5.182		4					
Analysis Date (Local): 7 Sept 15	5			172	3117	13.4	5.714	doliolid	5					
Analyst: Tamara	6			173	3118	13.3	5.938	: doliolid	6					
Stdization Date (Local): 5 Sept 15	7			174	3119	13.5	6.278		7					
KIO ₃ N: 0.0100261	8								8					
Standard Titer: 0.4220537	9								9					
Blank Titer: 0.0001482	10								10					
THIO N: 0.237444	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)	15								15					
	16								16					
	17								17					
NOTE NEW BATCH IN LOG BOOK	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

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octopus

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: 2015-21	1			175	196	12.3	5.055	Top vent leaking							1							
Event: 55	2			176	371	12.4	5.103								2							
Station: LD02	3			177A	396	13.8	5.699								3	177B	425	13.3	5.701			
Event Date (Local): 7 Sept 2015	4			178	439	13.7	6.966								4							
Analysis Date (Local): 7 Sept 15	5			179	204	14.4	6.580								5							
Analyst: D. M. R. C.	6														6					bits of Doliolids in sample		
Stdization Date (Local): 5 Sept 15	7														7							
KIO ₃ N: 0.0100261	8														8							
Standard Titer: 0.4220537	9														9							
Blank Titer: 0.0001482	10														10							
THIO N: 0.237444	11														11							
Sample Flask Water Seal? ☒ Yes	12														12							
	13														13							
Reagent Change? MnCl ₂	14														14							
(Please circle reagent that was changed prior to sampling and standardization)	15														15							
	16														16							
NOTE NEW BATCH IN LOG BOOK	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

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Octopus

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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:	2015-21	1			180	456	10.5	4.051		1	180	458	10.5	4.053	
Event:	57	2			181	462	11.2	4.354		2					
Station:	LD04	3			182	468	12.1	5.153		3					
Event Date (Local):	7 Sept 2015	4			183	471	14.5	6.204		4					
Analysis Date (Local):	7 Sept 15	5			184	505	15.1	6.307		5					
Analyst:	Tamara	6								6					
Stdization Date (Local):	5 Sept 15	7								7					
KIO ₃ N:	0.0100261	8								8					
Standard Titer:	0.4220537	9								9					
Blank Titer:	0.0001482	10								10					
THIO N:	0.237444	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	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: 2015-21	1			185	510	11.6	4.093	Spigot was "in" but not leaking.	1					
Event: 58	2			186	528	12.8	5.373		2					
Station: LG01	3			187A	547	13.1	5.734		3	187B	552	13.1	5.742	
Event Date (Local): 7. Sept 2015	4			188	557	13.9	6.279		4					
Analysis Date (Local): 7 Sept 15	5		X	189	569	14.6	6.576	HEAVY SPIGOTS For some reason	5					I took this one off before it finished titration
Analyst: Tamar	6								6					sorry!
Standardization Date (Local): 7 Sept 15	7								7					
KIO ₃ N: 0.0100261	8								8					
Standard Titer: 0.4240757	9								9					
Blank Titer: 0.0000992	10								10					
THIO N: 0.236459	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)	15								15					
NOTE NEW BATCH IN LOG BOOK	16								16					
	17								17					
	18								18					
	19								19					
	20								20					
	21								21					
	22								22					
	23								23					
	24								24					

Bottle integrity: First test the top vent (V) by opening the lower spigot (S) then test the spigot by opening the vent. Mark 'x' in the appropriate column if either fails the integrity check and explain this in the comments column.

Dissolved Oxygen Analysis Log Sheet

Institute of Ocean Sciences
Water Properties Group

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COCOPUS

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: 2015-21	1			190	575	9.9	3.130		1					
Event: 60	2			191A	586	10.1	3.056		2	191B	611	10.2	3.055	
Station: 1G02	3			192	612	10.9	3.664		3					
Event Date (Local): 7 Sept 15	4			193	620	12.3	4.832		4					
Analysis Date (Local): 7 Sept 15	5			194	621	13.8	6.094		5					
Analyst: Tamar	6			195	622	14.4	6.544	doliodids	6					
Stdization Date (Local): 7 Sept 15	7			196	631	14.7	6.651	leaky Spic knots	7					
KIO ₃ N: 0.0100261	8								8					
Standard Titer: 0.4240757	9								9					
Blank Titer: 0.0000992	10								10					
THIO N: 0.236459	11								11					
Sample Flask Water Seal? ☒ Yes	12								12					
	13								13					
Reagent Change? MnCl ₂	14								14					
(Please circle reagent that was changed prior to sampling and standardization)	15								15					
	16								16					
NOTE NEW BATCH IN LOG BOOK	17								17					
	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

CADBO ☺

Loch Ness

Last Updated: July 2015



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:	2015-21			197	650	8.7	2.959								1					
Event:	62			198	657	8.6	3.035								2					
Station:	LG04			199 ^a	658	8.6	3.596								3	199 ^b	690	8.7	3.589	cleaned detector windows after 199B
Event Date (Local):	7 Sept 2015			200	705	9.1	4.950								4					
Analysis Date (Local):	8 Sept 15			201	708	10.1	5.205								5					
Analyst:	Tamara			202	712	11.3	5.557								6					
Stdization Date (Local):	7 Sept 15			203	715	12.7	5.887								7					
KIO ₃ N:	0.0100261			204	745	16.0	5.941								8					
Standard Titer:	0.4240757			205	1002	16.3	5.926	leaky spigot.							9					
Blank Titer:	0.0000992														10					
THIO N:	0.236459														11					
Sample Flask Water Seal?	(Yes) No														12					
Reagent Change?	MnCl ₂														13					
(Please circle reagent that was changed prior to sampling and standardization)	NaI/NaOH														14					
NOTE NEW BATCH IN LOG BOOK	H ₂ SO ₄														15					
	KIO ₃														16					
	THIO														17					
Notes:															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

Nessie

Loch Ness

Last Updated: July 2015



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:	2015-21	1			206	1015	6.2	0.223		1					adjusted detector volts to ~2.5 after sample 206 & DRQ flask in.
Event:	65	2			207	1019	6.4	0.268		2					
Station:	LC06	3			208A	1022	6.9	0.770		3	208B	1035	7.1	0.764	
Event Date (Local):	7 Sept 15	4			209	1050	7.1	1.287		4					
Analysis Date (Local):	8 Sept 15	5			210	1053	7.5	1.990		5					
Analyst:	Tamara	6			211	1054	7.7	2.552		6					
Stdization Date (Local):	7 Sept 15	7			212	1055	8.1	3.013		7					
KIO ₃ N:	0.0100261	8			213	1059	8.4	2.719		8					
Standard Titer:	0.4040757	9			214	1175	8.5	3.641		9					
Blank Titer:	0.0000992	10			215	1223	8.7	3.885		10					
THIO N:	0.236459	11			216	1401	9.0	3.552		11					
Sample Flask Water Seal?	(Yes) No	12			217	1402	9.8	4.767		12					
		13			218	1406	11.2	6.031		13					
Reagent Change?	MnCl ₂	14			219A	1407	13.5	6.363		14	219B	1408	13.5	6.360	
(Please circle reagent that was changed prior to sampling and standardization)	NaI/NaOH	15			220	1409	15.8	6.065		15					
	H ₂ SO ₄	16			221	1414	16.8	5.856		16					
NOTE NEW BATCH IN LOG BOOK	KIO ₃	17			222	1416	16.9	5.845		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
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Whale

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: 2015-21	1			229	3083	8.6	2.715							1					
Event: 90	2			230	3121	8.6	2.730							2					
Station: LBP3	3			231	3085	8.7	3.059							3	231	3086	8.7	3.054	
Event Date (Local): 9 Sept 2015	4			232	3088	9.5	3.483							4					
Analysis Date (Local): 9 Sept 15	5			233	3089	10.5	3.889							5					
Analyst: Tamara	6			234	3093	10.9	3.904							6					
Stdization Date (Local): 7 Sept 15	7			235	3090	12.7	4.811							7					
KIO ₃ N: 0.0100261	8			236	3094	13.8	5.459							8					
Standard Titer: 0.4240757	9			237	3095	14.0	5.911							9					
Blank Titer: 0.000092	10			238	3096	14.1	5.934							10					
THIO N: 0.236459	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)	15													15					
	16													16					
NOTE NEW BATCH IN LOG BOOK	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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Shark/Swordfish

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:	2015-21	1		239	1417	6.3	0.521		1					
Event:	93	2		240	1418	6.2	0.475		2					
Station:	LBPS	3		241	1422	6.3	0.337		3					
Event Date (Local):	9 Sept 2015	4		242	1427	6.7	0.347	⇒	4	242	1429	6.7	0.342	
Analysis Date (Local):	9 Sept	5		243	1442	7.2	1.225		5					
Analyst:	Tamara	6		244	1446	7.7	1.586		6					
Stdization Date (Local):	7 Sept 15	7		245	1457	8.0	2.925		7					
KIO ₃ N:	0.0100261	8		246	1459	8.4	2.227		8					
Standard Titer:	0.4240757	9		247	1460	8.6	2.106		9					
Blank Titer:	0.0000992	10		248	1465	8.6	1.947		10					
THIO N:	0.236459	11		249	1470	8.7	2.378		11					
Sample Flask Water Seal?	Yes	12		250	1472	8.6	2.925	⇒	12	250	2000	8.6	2.944	
	No	13		251	2007	8.6	3.066	aborted end pt @ 0.0005 ml, started again	13	aborted again @ 0.0002 ml, quit out of program, re-started, ran sample, worked.				
Reagent Change?	MnCl ₂	14		252	2014	8.9	3.241		14					
(Please circle reagent that was changed prior to sampling and standardization)	NaI/NaOH	15		253	2015	9.7	3.582		15					
NOTE NEW BATCH IN LOG BOOK	H ₂ SO ₄	16		254	2016	10.5	3.523		16					
	KIO ₃	17		255	2017	11.4	3.851		17					
	THIO	18		256	2019	14.7	6.164	solids	18					
Notes:		19		257	2020	15.0	6.217	⇒	19	257	2025	14.9	6.215	
		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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dino

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:	2015-21	1			258	650	5.3	1.430		1					
Event:	95	2			259	657	5.5	0.720	⇒	2	259	658	5.7	0.714	
Station:	LBP 7	3			260	690	5.7	0.411		3					
Event Date (Local):	9 Sept 2015	4			261	705	6.0	0.274		4					
Analysis Date (Local):	9 Sept 15	5			262	708	6.4	0.371		5					
Analyst:	Tamara	6			263	712	6.9	0.893		6					
Stdization Date (Local):	07 Sept 15	7			264	715	7.2	1.132		7					leaky spigot
KIO ₃ N:	0.0100261	8			265	745	7.3	2.527	⇒	8	265	1002	7.5	2.525	
Standard Titer:	0.4240757	9			266	1416	8.0	2.161		9					volts dropped to 2V - cleaned lenses
Blank Titer:	0.0000992	10			267	1019	8.2	2.962		10					
THIO N:	0.236459	11			268	1023	8.4	2.598		11					
Sample Flask Water Seal?	☒ Yes	12			269	1035	8.5	3.780		12					
	No	13			270	1050	8.7	4.123		13					
Reagent Change?	MnCl ₂	14			271	1053	9.1	4.857		14					
(Please circle reagent that was changed prior to sampling and standardization)	NaI/NaOH	15			272	1054	9.7	4.455		15					
	H ₂ SO ₄	16			273	1055	10.9	4.795		16					
NOTE NEW BATCH IN LOG BOOK	KIO ₃	17			274	1059	12.2	5.919	⇒	17	274	1175	12.2	5.719	😊
	THIO	18			275	1223	15.3	6.117		18					
Notes:		19			276	1401	17.5	5.788		19					
		20			277	1402	17.7	5.780		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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* Note: Bottle SB duplicate odd flask *

Octopus

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:	2015-21	1			278	196	5.2	1.315		1					leaky spigot on valve
Event:	103	2			279	371	5.4	0.652		2					
Station:	C502	3			280	396	5.6	0.392		3					
Event Date (Local):	10 Sept 15	4			281	425	5.9	0.273		4					
Analysis Date (Local):	10 Sept 15	5			282	439	6.3	0.322		5	282B	2099	6.4	0.318	
Analyst:	Tamara	6			283	456	6.7	1.181		6					
Stdization Date (Local):	9 Sept 15	7			284	458	6.9	1.542		7					
KIO ₃ N:	0.0100261	8			285	462	7.3	1.911		8					
Standard Titer:	0.4220138	9			286	468	7.7	2.397		9					
Blank Titer:	-0.0000784	10			287	471	8.1	3.098		10					
THIO N:	0.237369	11			288	505	8.2	3.497		11					
Sample Flask	(Yes)	12			289	510	8.5	4.059		12	289B	528	8.6	4.061	
Water Seal?	No	13			290	547	8.6	3.948		13					
Reagent Change?	MnCl ₂	14			291	552	8.7	4.146		14					
(Please circle reagent that was changed prior to sampling and standardization)	NaI/NaOH	15			292	557	8.9	4.325		15					small leak
NOTE NEW BATCH IN LOG BOOK	H ₂ SO ₄	16			293	569	9.5	4.372		16					
	KIO ₃	17			294	570	10.5	4.771		17					
	THIO	18			295	575	13.0	5.466		18	295B	586	13.0	5.465	
Notes:		19			296	611	15.6	6.149	crater in sample	19					
		20			297	612	15.7	6.169		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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Shark

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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:	2015-21	1			298	3044	10.4	4.005		1					
Event:	109	2			299	3046	10.5	4.035		2					
Station:	CS 04	3			300	3047	11.2	4.418		3					
Event Date (Local):	10 Sept 2015	4			301	3048	13.0	5.410	→	4	3016	3049	13.0	5.408	
Analysis Date (Local):	11 Sept 15	5			302	3050	13.3	5.540		5					302 analyzed before 301A, 301B.
Analyst:	Tamariz	6			303	3051	15.0	6.095		6					↑ 302 was in box before 301A - 301B
Stdization Date (Local):	9 Sept 15	7			304	3052	15.4	6.237		7					
KIO ₃ N:	0.0100261	8								8					
Standard Titer:	0.4220138	9								9					
Blank Titer:	-0.0000784	10								10					
THIO N:	0.237369	11								11					
Sample Flask Water Seal?	(Yes) No	12								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					

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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Shark

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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:	2015-21	1			305	3055	11.0	4.408		1					
Event:	118	2			306	3056	11.0	4.405		2	3068	3057	11.0	4.401	
Station:	CS06	3			307	3059	12.1	5.067		3					
Event Date (Local):	10 Sept 2015	4			308	3061	13.6	5.703	over-titrated - odd looking curve	4					
Analysis Date (Local):	11 Sept 15	5			309	3062	14.7	6.004		5					
Analyst:	Tamara	6			310	3065	15.6	6.057		6					
Stdization Date (Local):	9 Sept 15	7			311					7					
KIO ₃ N:	0.0100261	8			312					8					
Standard Titer:	0.4220138	9			313					9					
Blank Titer:	-0.0000784	10								10					
THIO N:	0.237369	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					
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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Water Properties Group

CADBO

dinosaur

Last Updated: July 2015



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:	2015-21	1			311	650	8.4	2.415							1					
Event:	124	2			312	657	8.3	2.431							2					
Station:	C509	3			313	658	8.5	3.361			8.5°C draw temp				3					Vent not closed
Event Date (Local):	11-09-15	4			314	690	8.7	3.590							4					
Analysis Date (Local):	11 Sept 15	5			315	705	9.1	4.043							5					
Analyst:	Tamara	6			316	708	9.6	4.257							6					
Stdization Date (Local):	9 Sept 15	7			317	712	10.7	4.448			→				7	317	715	10.7	4.527	∴ cannot see reason for poor rep.
KIO ₃ N:	0.0100261	8			318	745	13.5	5.766							8					
Standard Titer:	0.422 0138	9			319	1002	14.0	5.962							9					
Blank Titer:	-0.0000784	10			320	1416	14.3	5.878							10					
THIO N:	0.237369	11			321	1019	14.9	5.888							11					
Sample Flask Water Seal?	(Yes) No	12													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:	run 2 boxcar = shark for sample 311	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.