

bad titration? realized bath was low and added mnd. H₂SO₄

SWORDFISH

Dissolved Oxygen Analysis Log Sheet

Institute of Ocean Sciences

Water Properties Group

Last Updated: July 2015



Cruise and Analysis Information							Nisk	Nisk Int	Sample	Flask 1	Draw	OXY-1	OXY-1 Comments	Nisk	Sample	Flask 2	Draw	OXY-2	OXY-2 Comments	
ID	V	S	ID	Flask 1	T 1 (°C)	(mL/L)	ID	ID	Flask 2	T 2 (°C)	(mL/L)									
Cruise Number: 2015-54	1			591	2025	7.6	2.776							1						
Event: 373	2													2						
Station: WC 43	3													3						
Event Date (Local): 6 Nov	4													4						
Analysis Date (Local): 7 Nov	5			595	2027	7.9	2.589							5	595	2027	7.9	2.574		
Analyst: SPN	6													6						
Stdization Date (Local): 7 Nov	7													7						
KIO ₃ N: .012201	8													8						
Standard Titer: .5200013	9													9						
Blank Titer: .0004955	10			600	2040	9.2	3.976							10						
THIO N: .234655	11			601	2043	9.6	3.982							11						
Sample Flask (Yes)	12													12						
Water Seal? No	13													13						
Reagent Change? MnCl ₂	14			604	2047	9.6	4.342							14						
(Please circle reagent that was changed prior to sampling and standardization)	15			605	2051	9.4	4.831							15						
NOTE NEW BATCH IN LOG BOOK	16													16						
	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.

SWORD

Dissolved Oxygen Analysis Log Sheet

Institute of Ocean Sciences
Water Properties Group

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:	2015-54	1			557	2007	7.6		→ curve but no end point 1.79 volts	1						
Event:	372	2			—					2						
Station:	Doug 40	3			579	2014	7.9	2.534		3						
Event Date (Local):	6 Nov	4								4						
Analysis Date (Local):	7 Nov	5								5						
Analyst:	SPR	6								6						
Stdization Date (Local):	7 Nov	7								7						
KIO ₃ N:	012201	8			584	2015	9.1	3.331		8						
Standard Titer:	.5200813	9			585	2016	9.3	3.542		9	585	2017	9.3	3.538		
Blank Titer:	0.0024959	10								10						
THIO N:	.234655	11								11						
Sample Flask	Yes	12			588	2019	9.9	4.334		12						
Water Seal?	No	13			589	2020	9.4		→ flat curve 1.79 volts later realized button was too low	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	Nisk Int	Sample	Flask 1	Draw	OXY-1	OXY-1 Comments	Nisk	Sample	Flask 2	Draw	OXY-2	OXY-2 Comments	
ID	V	S	ID	Flask 1	T 1 (°C)	(mL/L)	ID	ID	ID	T 2 (°C)	(mL/L)									
Cruise Number: 2015-54	1	X		564	1457	7.6	2.486							1						
Event: 369	2			565	1459	7.6	2.542							2						
Station: D0531	3													3						
Event Date (Local): 5 Nov	4													4						
Analysis Date (Local): 7 Nov	5													5						
Analyst: SOR	6													6						
Stdization Date (Local): 7 Nov	7			570	1460	8.7	3.117							7	570	1465	8.7	3.111		
KIO ₃ N: 012201	8			571	1470	8.9	3.339							8						
Standard Titer: 5200313	9													9						
Blank Titer: 0004955	10													10						
THIO N: 234655	11			574	1472	9.3	4.034							11						
Sample Flask	12			575	2000	9.3	4.246							12						
Water Seal?	13													13						
Reagent Change?	14													14						
(Please circle reagent	15													15						
that was changed prior	16													16						
to sampling and	17													17						
standardization)	18													18						
NOTE NEW BATCH IN	19													19						
LOG BOOK	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.

367

SWORD FISH

Dissolved Oxygen Analysis Log Sheet

Institute of Ocean Sciences

Last Updated: July 2015



Water Properties Group

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:	2015-54						1			550	1417	7.6	2.456		1						
Event:	367						2			—					2						
Station:	FDC1						3			552	1418	7.8	2.575		3						
Event Date (Local):	5 Nov						4			—					4						
Analysis Date (Local):	7 Nov						5								5						
Analyst:	SGW						6								6						
Stdization Date (Local):	7 Nov						7								7						
KIO ₃ N:	.012201						8			557	1422	8.7	3.099	→	8	557	1427	8.7	3.088		
Standard Titer:	.5200813						9			558	1429	9.1	3.433		9						
Blank Titer:	.0004959						10								10						
THIO N:	1234655						11								11						
Sample Flask Water Seal?	Yes						12			561	1442	9.3	3.956		12						
	No						13			562	1446	9.3	4.534		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.

334

SHARK

Dissolved Oxygen Analysis Log Sheet

Institute of Ocean Sciences

Water Properties Group

Last Updated: July 2015



Cruise and Analysis Information							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
1			462	3020	8.5	3.111		1					
2			463	3044	8.5	3.122		2					
3			464	3046	8.8	3.137		3					
4			465	3047	8.8	3.175		4	465	3043	8.8	3.166	
5			466	3054	8.8	3.285		5					
6			467	3051	8.9	3.321		6					
7			468	3052	8.9	3.444		7					
8			469	3055	9.0	3.629		8					
9			470	3057	9.1	3.946		9					
10			471	3059	9.1	4.103		10					
11			472	1429	9.2	4.920		11					
12			473	3061	9.2	5.312		12					
13								13					
14								14					
15								15					
16								16					
17								17					
18								18					
19								19					
20								20					
21								21					
22								22					
23								23					
24								24					

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

348

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Dissolved Oxygen Analysis Log Sheet

Institute of Ocean Sciences

Water Properties Group

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: 2015-54	1		489	3095				1					No bottle taken
Event: 348	2							2					
Station: UC43	3		491	3092	8.9	3.200		3					
Event Date (Local): 4 Nov	4		492	3096	8.9	3.323		4					
Analysis Date (Local): 7 Nov	5							5					
Analyst: STR	6							6					
Stdization Date (Local): 7 Nov	7		495	3080	9.2	3.662	→	7	495	3088	9.1	3.655	
KIO ₃ N: .01220	8		496	3079	9.8	3.855	5.243	8					
Standard Titer: .5200313	9							9					
Blank Titer: .0004955	10							10					
THIO N: .234655	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					

489
OXY
UC43
2015-54
Bot 1

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.

345

SHARK

Dissolved Oxygen Analysis Log Sheet

Institute of Ocean Sciences
Water Properties Group

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: 2015-54		1		474	3062	7.6	2.382		1					
Event: 345		2							2					
Station: VC45		3							3					
Event Date (Local): 4 Nov		4		477	3065	7.8	2.447		4					
Analysis Date (Local): 7 Nov		5							5					
Analyst: STR		6							6					
Stdization Date (Local): 7 Nov		7							7					
KIO ₃ N: 012201		8							8					
Standard Titer: 3200313		9		482	3066	8.6	2.981	2	9	482	3119	8.6	2.974	
Blank Titer: 0004959		10		483	3068	8.7	3.169		10					
THIO N: 234655		11							11					
Sample Flask Water Seal? Yes No		12							12					
Reagent Change? MnCl₂ NaI/NaOH H₂SO₄ KIO₃ THIO		13		486	3070	9.7	4.472		13					
		14		487	3074	9.6	5.361		14					
		15							15					
		16							16					
		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.

364

NESSIE

Dissolved Oxygen Analysis Log Sheet

Institute of Ocean Sciences

Water Properties Group

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: 2015-54	1			364	1059	7.8	2.449								1					
Event: 364	2														2					
Station: DONG 4	3														3					
Event Date (Local): 5 Nov	4														4					
Analysis Date (Local): 7 Nov	5														5					
Analyst: SPK	6			369	1175	8.3	3.061								6					
Stdization Date (Local): 7 Nov	7			370	3094	8.6	3.201								7					
KIO ₃ N: 012201	8														8					
Standard Titer: 5200813	9														9					
Blank Titer: 0004959	10			373	1401	9.5	3.786	→							10	373	1402	9.5	3.787	
THIO N: 234655	11			374	1407	9.3	4.037								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.

352

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Dissolved Oxygen Analysis Log Sheet

Institute of Ocean Sciences
Water Properties Group

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:	2015-54	1			498	690	8.5	3.160					1					
Event:	352	2											2					
Station:	VP26	3											3					
Event Date (Local):	8 Nov	4											4					
Analysis Date (Local):	7 Nov	5											5					
Analyst:	SR	6			503	745	8.7	3.253					6					
Stdization Date (Local):	7 Nov	7			504	763	8.9	3.830					7					
KIO ₃ N:	.012201	8											8					
Standard Titer:	.5200813	9											9					
Blank Titer:	1.0004959	10			507	1054	8.9	3.837	⇒				10	507	698	8.9	3.841	
THIO N:	.234655	11			508	1426	9.0	4.592					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.

355

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Dissolved Oxygen Analysis Log Sheet

Institute of Ocean Sciences

Water Properties Group

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	
1			511	657	8.3	3.165		1						
2								2						
3								3						
4								4						
5			515	715	8.8	3.252	→	5	515	650	8.8	3.255		
6			516	1002	9.0	3.421		6						
7								7						
8								8						
9			515	416	9.2	4.043		9						
10			520	1019	9.1	4.449		10						
11								11						
12								12						
13								13						
14								14						
15								15						
16								16						
17								17						
18								18						
19								19						
20								20						
21								21						
22								22						
23								23						
24								24						

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

357

NESSIE

Dissolved Oxygen Analysis Log Sheet

Institute of Ocean Sciences

Water Properties Group

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: 2015-34		1		522	1053	7.9	2.548		1					
Event: 357		2							2					
Station: DEW		3							3					
Event Date (Local): 5 Nov		4		525	1035	8.7	3.176 →		4	525	1050	8.7	3.179	
Analysis Date (Local): 7 Nov		5		526	1411	9.1	3.487		5					
Analyst: SOR		6							6					
Stdization Date (Local): 7 Nov		7							7					
KIO ₃ N: 1012201		8		529	1223	8.9	3.904		8					
Standard Titer: 1200313		9		530	3056	9.0	4.504		9					
Blank Titer: 10004959		10							10					
THIO N: 1234655		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					
		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.

33301

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Dissolved Oxygen Analysis Log Sheet

Last Updated: July 2015

Institute of Ocean Sciences

Water Properties Group



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: 2015-54	1			451	1035	8.0	2.599								1					
Event: 333	2			452	1050	8.1	2.663								2					
Station: VP42	3			453	144	8.3	2.831								3					
Event Date (Local): 3 Nov	4			454	1223	8.5	2.966								4					
Analysis Date (Local): 4 Nov	5			455	1023	8.6									5	3056	8.5		3.161	
Analyst: STN	6			456	1059	8.8	3.413								6					
Stdization Date (Local): 2 Nov	7			457	1175	8.9	3.564								7					
KIO ₃ N: .012201	8			458	3094	9.0	3.750								8	458	1401	9.1	3.758	
Standard Titer: .5202034	9			459	1402	9.1	4.657								9					
Blank Titer: .0006494	10			460	1406	9.1	4.644								10					
THIO N: .234672	11		X	461	1407	9.0	5.406								11					failed integrity test
Sample Flask Water Seal? <u>Yes</u>	12														12					
	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					
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.

33001

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Dissolved Oxygen Analysis Log Sheet

Last Updated: July 2015

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Water Properties Group



Cruise and Analysis Information							Nisk ID	Nisk Int V	S	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: 2015-54	1			443	658	7.6	2.424								1					
Event: 330	2			444	1426	8.0	3.256								2					
Station: W650	3			445	657	9.3	3.504								3					
Event Date (Local): 3 Nov	4			446	715	9.8	4.097								4					
Analysis Date (Local): 4 Nov	5			447	650	9.6	3.812								5					
Analyst: STM	6			448	1002	9.8	4.193	⇒							6	448	1416	9.9	4.200	
Stdization Date (Local): 2 Nov	7			449	1019	9.7	4.312								7					
KIO ₃ N: 1012201	8			450	1053	9.6	4.793								8					
Standard Titer: 1.5202034	9														9					
Blank Titer: 1.0006494	10														10					
THIO N: 1234672	11														11					
Sample Flask	12														12					
Water Seal?	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					
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.

32601

NESSIE

Dissolved Oxygen Analysis Log Sheet

Institute of Ocean Sciences

Water Properties Group

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: 2015-54	1			437											1	437				vent open not drawn
Event: 326	2			438	658										2					vent open not drawn
Station: SC64	3			439	690	9.7	3.971								3					
Event Date (Local): 3 Nov	4			440	705	10.3									4	745	10.3	4.622		705 broken
Analysis Date (Local): 4 Nov	5			441	708	10.3	5.020								5					
Analyst: SDP	6			442	1054	10.2	5.278								6					
Stdization Date (Local): 2 Nov	7														7					
KIO ₃ N: .012201	8														8					
Standard Titer: .5202034	9														9					
Blank Titer: .0006494	10														10					
THIO N: .234672	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					
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.

29801

WATTLE

Dissolved Oxygen Analysis Log Sheet

Institute of Ocean Sciences

Water Properties Group

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:	2015-54						1			432	3049	8.2	2.715		1					
Event:	298						2			433	3081	10.4	4.901		2					
Station:	SC80						3			434	1409	10.6	5.141		3					
Event Date (Local):	2 Nov						4			435	3118	10.7	5.323	27	4	435	3117	10.6	5.325	
Analysis Date (Local):	3 Nov						5			436	3116	10.7	5.395		5					
Analyst:	STM						6								6					
Stdization Date (Local):	2 Nov						7								7					
KIO ₃ N:	1012201						8								8					
Standard Titer:	.5202034						9								9					
Blank Titer:	.0006454						10								10					
THIO N:	1234672						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.

29601

WUTAZE

Dissolved Oxygen Analysis Log Sheet

Institute of Ocean Sciences

Water Properties Group

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: 2015-54	1			426	3103	7.8	2.511								1					
Event: 296	2			427	3106	8.0	2.668							bad end point → overtitrate	2					
Station: SC74	3			428	3108	9.6	3.853							⇒	3	428	3110	9.6	3.838	
Event Date (Local): 2 Nov	4			429	3111	10.4	4.723								4					
Analysis Date (Local): 3 Nov	5			430	3114	10.4	5.415								5					
Analyst: STM	6			431	3109	10.1	5.504								6					
Standardization Date (Local): 2 Nov	7														7					
KIO ₃ N: 1012201	8														8					
Standard Titer: .5202034	9														9					
Blank Titer: .0006494	10														10					
THIO N: 1234672	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)	14														14					
NOTE NEW BATCH IN LOG BOOK	15														15					
	16														16					
	17														17					
	18														18					
	19														19					
	20														20					
	21														21					
	22														22					
	23														23					
	24														24					

oppo. forget buret on first one "

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.

27301

WHALE

Dissolved Oxygen Analysis Log Sheet

Institute of Ocean Sciences

Water Properties Group

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:	2015-54	1		422	1018	8.1	3.126	3100 Large Flask	1					
Event:	273	2		423	3095	8.7	3.330		2					
Station:	GC30	3		424	3098	9.1	3.752	⇒	3	424	3084	9.1	3.748	
Event Date (Local):	31 Oct	4		425	3101	9.1	4.127		4					
Analysis Date (Local):	3 Nov	5							5					
Analyst:	8JR	6							6					
Stdization Date (Local):	2 Nov	7							7					
KIO ₃ N:	012201	8							8					
Standard Titer:	1.520234	9							9					
Blank Titer:	0.006494	10							10					
THIO N:	1.234672	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.

24201. box

DINO WHALE

Dissolved Oxygen Analysis Log Sheet

Institute of Ocean Sciences

Water Properties Group

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:	2015-54						1			412	3107	7.9	2.487		1						
Event:	242						2			413	3121	8.3	2.705	⇒	2	413	3085	8.3	2.699		
Station:	WC71c						3			414	3086	10.2	4.215		3						
Event Date (Local):	30 Oct						4			415	3088	10.5	4.509		4						
Analysis Date (Local):	2 Nov						5			416	3089	11.0	4.997		5						
Analyst:	SGP						6			417	3090	11.1	5.122		6						
Stdization Date (Local):	2 Nov						7								7						
KIO ₃ N:	012201						8								8						
Standard Titer:	.5202034						9								9						
Blank Titer:	.0006494						10								10						
THIO N:	.234672						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.

9.5

24301

DINO

Dissolved Oxygen Analysis Log Sheet

Institute of Ocean Sciences

Water Properties Group

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:	2015-54	1			418	3094	10.8	9.5	3.621					1					
Event:	243	2			419	1406	10.8	9.333						2					
Station:	WC 712	3			420	1402	10.8	4.961	⇒					3	420	1406	10.8	4.933	
Event Date (Local):	30 Oct	4			421	1407	10.7		5.324					4					
Analysis Date (Local):	2 Nov	5												5					
Analyst:	808	6												6					
Stdization Date (Local):	2 Nov	7												7					
KIO ₃ N:	.012201	8												8					
Standard Titer:	.5202034	9												9					
Blank Titer:	.0006494	10												10					
THIO N:	.234672	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.

23601

DINO

Dissolved Oxygen Analysis Log Sheet

Institute of Ocean Sciences
Water Properties Group

Last Updated: July 2013



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:	2015-54						1			406	1035	7.7	2.423	⇒	1	406	1050	7.7	2.421	
Event:	236						2			407	1411	8.1	2.561		2					
Station:	WCTIB						3			408	1223	9.5	3.648		3					
Event Date (Local):	29 Oct						4			409	1023	9.8	3.887		4					
Analysis Date (Local):	2 Nov						5			410	1059	10.7	4.949		5					
Analyst:	8IR						6			411	1175	10.5	5.423		6					
Stdization Date (Local):	2 Nov						7								7					
KIO ₃ N:	0.012201						8								8					
Standard Titer:	.5202034						9								9					
Blank Titer:	.0006494						10								10					
THIO N:	.1234672						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.

DND

Water Properties Group

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.

690

21901 box

DINO

Dissolved Oxygen Analysis Log Sheet

Institute of Ocean Sciences
Water Properties Group

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:	2015-54						1			375	650	8.6	2.897		1					
Event:	219						2			376	657	8.6	2.820		2					
Station:	CA-D1						3			377	658	9.8	X	bubble in flask DIDN'T TITRATE?	3					
Event Date (Local):	28 Oct						4			378	690	10.3	4.371	⇒	4	398	705	10.2	4.358	bubble in flask
Analysis Date (Local):	2 Nov						5			379	708	10.8	5.264		5					
Analyst:	SON						6			400	1054	10.8	5.386		6					
Stdization Date (Local):	2 Nov						7								7					
KIO ₃ N:	0.01220						8								8					
Standard Titer:	.5202						9								9					
Blank Titer:	.0007						10								10					
THIO N:	.234672						11								11					
Sample Flask Water Seal?	(Yes) but added a day later						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.

Nessie

Dissolved Oxygen Analysis Log Sheet

Institute of Ocean Sciences

Water Properties Group

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: 2015-574		1		373	1023	8.9	3.141		1	373	1035	8.9	3.140	
Event: 195		2		374	1050	9.2	3.492		2					
Station: GRC 16		3		375	1411	9.3	3.604		3					
Event Date (Local): 25 Oct 2015		4		376	1723	9.4	3.924		4					
Analysis Date (Local): 26 Oct 2015		5		377	1053	9.5	4.090		5	377	1059	9.5	4.083	
Analyst: MB		6		378	1175	9.7	4.782		6					
Standardization Date (Local): 25 Oct 2015		7							7					
KIO ₃ N: 0.012201		8							8					
Standard Titer: 0.5204689		9							9					
Blank Titer: 0.0003712		10							10					
THIO N: 0.234456		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)		14							14					
NOTE NEW BATCH IN LOG BOOK		15							15					
		16							16					
		17							17					
		18							18					
		19							19					
		20							20					
		21							21					
		22							22					
		23							23					
		24							24					

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

Dissolved Oxygen Analysis Log Sheet

Institute of Ocean Sciences
Water Properties Group

Last Updated: July 2015



file 19002

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:	2015-54					1			363A	650	8.2	2.585		1	363B	657	8.2	2.592				
Event:	190					2			364	658	8.2	2.630		2								
Station:	WGR06					3			365	690	8.4	2.666		3								
Event Date (Local):	25-0CT/15					4			366	705	8.9	3.010		4								
Analysis Date (Local):	26 OCT 2015					5			367A	708	9.2	3.255		5	367B	1054	9.2	2.256				
Analyst:	MB					6			368	715	9.4	3.524		6								
Stdization Date (Local):	25 OCT 2015					7			369	745	9.5	3.736		7								
KIO ₃ N:	0.017201					8			370	1002	9.6	3.866		8								
Standard Titer:	0.8204089					9			371	1416	9.8	4.388		9								
Blank Titer:	0.0003712					10			372	1019	9.9	6.249		10								
THIO N:	0.224486					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:	SEA MONSTER!					19								19								
						20											20					
						21											21					
						22											22					
						23											23					
						24											24					

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

Dissolved Oxygen Analysis Log Sheet

Institute of Ocean Sciences

Water Properties Group

Last Updated: July 2015



File → 20502 Please note samples 379 → 381 incorrectly run in this file 20502

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:	2015-54	1		388A	3061	9.0	2.793		1	388B	3062	9.1	2.805	
Event:	205	2		389	3065	10.3	4.206		2					
Station:	GRC41	3		390	3066	10.4	4.644		3					
Event Date (Local):	25-OCT-15	4		391	3119	10.4	4.862		4					
Analysis Date (Local):	26-OCT-2015	5		392	3068	10.3	4.995		5	392B	3070	10.3	4.992	
Analyst:	MB	6		393	3074	10.1	4.966		6					
Stdization Date (Local):	25-OCT-2015	7		394	3075	10.0	5.264		7					
KIO ₃ N:	0.012201	8							8					
Standard Titer:	0.5204089	9							9					
Blank Titer:	0.0003712	10							10					
THIO N:	0.234486	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.

Really F'd this one up. Needed another coffee

file → 20102 Please note samples 379→381 run in wrong file 20502 with wrong flask #s.

Last Updated: July 2015



Dissolved Oxygen Analysis Log Sheet														
Institute of Ocean Sciences Water Properties Group														
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:	2015-54	1		379A	3040	8.7	2.540	⇒ had wrong flask #, please fix wrong file 20502	1	379B	3044	8.7	2.588	had wrong flask #, please fix wrong file 20502
Event:	201	2		380	3046	8.7	2.717	had wrong flask #, please fix wrong file 20502	2					
Station:	GrC 27	3		381	3047	9.1	3.104	went to wrong file 20502 correct flask #	3					
Event Date (Local):	25 Oct 15	4		382	3048	9.2	4.195	correct file 20102 dispenser bent up, bad result.	4					
Analysis Date (Local):	76 Oct 2015	5		383A	3054	9.9	3.911	⇒	5	383B	3051	10.0	4.035	
Analyst:	MO	6		384	3052	10.1	4.285		6					
Stdization Date (Local):	25 Oct 2015	7		385	3055	10.0	4.657		7					
KIO ₃ N:	0.012201	8		386	3057	9.9	4.441		8					
Standard Titer:	0.9704089	9		387	3059	—		NOT FIRED	9					
Blank Titer:	0.0003712	10							10					
THIO N:	0.234486	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:	WAIT	19							19					
	SHARP	20							20					
		21							21					
		22							22					
		23							23					
		24							24					

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

Dissolved Oxygen Analysis Log Sheet

Institute of Ocean Sciences
Water Properties Group

Last Updated: July 2015



14602

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:	2015-54	1		328	745	8.1	2.598		1					
Event:	146	2		329	1002	8.2	2.707		2	329B	1416	8.2	2.707	
Station:	DVUG 3	3		330	1019	8.6	3.087		3					
Event Date (Local):	23 OCT 11S	4		331	1023	8.9	3.226		4					
Analysis Date (Local):	24 OCT 2015	5		332	1035	9.2	3.302		5					
Analyst:	CHB	6		333	1050	9.6	3.817		6					
Stdization Date (Local):	27 OCT 2015	7		334	1053	9.9	4.082		7					
KIO ₃ N:	0.012201	8		335	1054	10.2	4.458		8					
Standard Titer:	0.5208015	9		336	1055	9.7	X	← wait to run this sample.	9					
Blank Titer:	0.0003712	10						↑	10					
THIO N:	0.23432	11						too cloudy	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					
	H ₂ SO ₄	16							16					
NOTE NEW BATCH IN LOG BOOK	KIO ₃	17							17					
	THIO	18							18					
Notes:	Yes	19							19					
		20							20					
		21							21					
		22							22					
		23							23					
		24							24					

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

Dissolved Oxygen Analysis Log Sheet

Institute of Ocean Sciences
Water Properties Group

Last Updated: July 2015



Cruise and Analysis Information

Cruise Number: 2015.54

Event: 138

Station: DOG 1

Event Date (Local): 23 Oct 2015

Analysis Date (Local): 24 Oct 2015 9

Analyst: MB

Stdization Date (Local): 22 Oct 2015 11

KIO₃ N: 0.012201

Standard Titer: 0.5708015

Blank Titer: 0.003712

THIO N:

Sample Flask Water Seal?

Yes

 No

Reagent Change? MnCl₂

(Please circle reagent that was changed prior to sampling and standardization)

NaI/NaOH

H₂SO₄

NOTE NEW BATCH IN LOG BOOK

KIO₃

THIO

Notes:

NGS

Nisk ID

Nisk Int V S

Sample ID

Flask 1

Draw T 1 (°C)

OXY-1 (mL/L)

OXY-1 Comments

1

309

650

8.5

2.665

2

310A

657

9.2

3.350

3

311

690

9.5

3.748

4

312

705

9.7

3.871

5

313

708

9.9

5.398

Bottle 9

6

7

315

712

9.1

X

Bottle 11 ← wait to run this sample

8

9

10

11

12

13

14

15

16

17

18

19

20

21

22

23

24

Nisk ID

Sample ID

Flask 2

Draw T 2 (°C)

OXY-2 (mL/L)

OXY-2 Comments

1

2

310B

658

9.2

3.349

3

4

5

6

7

8

9

10

11

12

13

14

15

16

17

18

19

20

21

22

23

24

13802

↑

Steve ran 3 Nov - 1 Aer

inferred + Aer

too cloudy

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

15002

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:	2015-59	1		339	3059	8.0	2542							1					
Event:	150	2		340	3061	8.2	2702							2					
Station:	2006 4	3		341	3062	8.6	3079							3					
Event Date (Local):	23 Oct 2015	4		342	3065	8.9	3199							4					
Analysis Date (Local):	24 Oct 2015	5		343	3066	9.2	3354							5	343B	3119	9.2	3354	
Analyst:	MB	6		344	3068	9.6	3708							6					
Standardization Date (Local):	0.012201	7		345	3070	9.8	4.024	picked endpoint late, did OT						7					
KIO ₃ N:	0.012201	8		346	3072	10.0	4.548							8					
Standard Titer:	0.520815	9		347	3073	8.7	X	← wait to run this sample						9					
Blank Titer:	0.0003712	10												10					
THIO N:	0.23437	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.

SHARK

Stare ran
3 NaI -
different
+ Aer.
Will not titrate - too
much sediment in sample?
very cloudy water!

H2O2

Dissolved Oxygen Analysis Log Sheet

Institute of Ocean Sciences

Water Properties Group

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:	2015-54	1		317	3120	8.3	2.654		1					
Event:	142	2		318	3044	8.3	2.695		2					
Station:	DOUG-2	3		319	3046	8.7	3.074		3					
Event Date (Local):	23 Oct / 15	4		320	3047	8.9	3.213		4	3208	3048	9.0	3.213	
Analysis Date (Local):	24 Oct 2015	5		321	3054	9.3	3.418		5					
Analyst:	MB	6		322	3051	9.7	3.704		6					
Stdization Date (Local):	22 Oct 2015	7		323	3052	9.9	3.943		7					
KIO ₃ N:	0.012201	8		324	3055	10.1	5.018		8					
Standard Titer:	0.5208015	9		325	3056	9.8	6.90%	← wait to run this sample.	9					
Blank Titer:	0.0003712	10						↑	10					
THIO N:	0.73432	11						Steve ran	11					
Sample Flask Water Seal?	Yes	12						different	12					
	No	13						titer	13					
Reagent Change?	MnCl ₂	14						(3 Nov)	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:	shark	19							19					
		20							20					
		21							21					
		22							22					
		23							23					
		24							24					

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

Dissolved Oxygen Analysis Log Sheet

Institute of Ocean Sciences
Water Properties Group

Last Updated: July 2015



13202

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:	205-54	1		293a	3107	8.7	3.072		1	293B	3121	8.7	3.078	
Event:	132	2		294	3085	9.2	3.656		2					
Station:	DOOF 0.2	3		295	3086	9.5	3.816		3					
Event Date (Local):	23 Oct 15	4		296	3088	9.8	4.665		4					
Analysis Date (Local):	23 Oct 15	5		297	3089	9.1		0.8925 ml added - no turn curve top	5					appeared - suspect that sample too murky from sediment
Analyst:	Tamara	6							6					
Stdization Date (Local):	22 Oct 15	7							7					
KIO ₃ N:	0.012201	8							8					
Standard Titer:	0.5208015	9							9					
Blank Titer:	0.0003712	10							10					
THIO N:	0.23432	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.



Dissolved Oxygen Analysis Log Sheet

Institute of Ocean Sciences
Water Properties Group

13602

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: 20554		1		300	3094	8.5	3.005		1					
Event: 136		2		301	3095	8.8	3.168		2	3018	3098	8.8	3.161	
Station: 2006 G4		3		302	3084	9.1	3.378		3					
Event Date (Local): 23 Oct 15		4		303	3100	9.3	3.746	Plask analysed was should be sample 304, btl 5,	4	Plask 3101				Kenny, could you pretty please fix?
Analysis Date (Local): 23 Oct 15		5		304	3101	9.6	3.679	should be Plask analysed was	5	sa 303	Plask 3100			btl 4
Analyst: Tamar		6		305	3103	10.0	5.433		6					
Stdization Date (Local): 22 Oct 15		7		306	3106	8.6		Tried changing the OP parameters to take into account a low end point voltage, didn't seem to help.	7					
KIO ₃ N: 0.012201		8							8					
Standard Titer: 0.5208015		9							9					
Blank Titer: 0.0003712		10							10					
THIO N: 0.23432		11						Run titelin and did not end	11					
Sample Flask Water Seal? ☒ Yes		12						in 0136 02 07 3106 ... about	12					
		13						0136 02 07 3106 ... about	13					
Reagent Change? MnCl ₂		14						0136 02 01 3094	14					
(Please circle reagent that was changed prior to sampling and standardization)		15						started with wrong sample/flask	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.

WHAC

Y axis 1.5 to 2.8V
X axis width 0.0006ml?

1-b → threshold

Dissolved Oxygen Analysis Log Sheet

Institute of Ocean Sciences
Water Properties Group

File: 12402

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:	12015-54	1		280	650	7.8	2.436	⇒	1	280B	657	7.8	2.426	
Event:	124	2		281	658	7.8	2.444		2					
Station:	WS12	3		282	690	7.9	2.501		3					
Event Date (Local):	22 Oct 15	4		283	705	7.9	2.541		4					
Analysis Date (Local):	73 OCT 2015	5		284	708	8.2	2.623		5					
Analyst:	MB	6		285A	712	8.6	2.782	⇒	6	285B	715	8.6	2.777	
Stdization Date (Local):	22 Oct 2015	7		286	745	9.2	3.152		7					
KIO ₃ N:	0.012201	8		287	1002	9.7	3.674		8					
Standard Titer:	0.5205615	9		288	1416	10.2	4.177		9					
Blank Titer:	0.003712	10		289	1019	10.9	5.006		10					
THIO N:	0.73432	11		290	1023	10.9	5.082		11					
Sample Flask Water Seal?	Yes	12		291	1035	10.8	5.449		12					
	No	13		292	1050	10.7	6.302		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

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:	2015-524						1			2704	1019	8.1	2.631		1	2704	1023	8.1	2.626	
Event:	101						2			271	1035	8.4	2.854	Computer froze during titration read vol: 0.0002 when frozen, restarted and titrated 2.92m	2					
Station:	AP11						3			272	1050	8.9	3.240		3					
Event Date (Local):							4			273	1053	9.4	3.624		4					
Analysis Date (Local):	22 Oct 2015						5			274	1054	9.9	4.207		5	274	1055	9.9	4.203	
Analyst:	MB						6			275	1059	9.7	3.974		6					
Stdization Date (Local):	22 Oct 2015						7			276	1175	9.7	4.426		7					
KIO ₃ N:	0.012201						8			277	1223	9.9	6.965	low end point 1.86v (murky water?)	8					
Standard Titer:	0.5208						9								9					
Blank Titer:	0.0003712						10								10					
THIO N:	0.23432						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:	messy messy						19								19					
							20								20					
							21								21					
							22								22					
							23								23					
							24								24					

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

Dissolved Oxygen Analysis Log Sheet

Institute of Ocean Sciences
Water Properties Group

Last Updated: July 2015



Had a hard time making a recognizable box file with 3 digit event number ended up calling it 10002, think it didn't like having '00' for last 2 digits?

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:	2015-54	1		261	650	7.9	2.396							1						
Event:	100	2		262	657	7.9	2.434						high end point 2.78v should have over-titrated?	2						
Station:	AP9	3		263	658	8.0	2.571							3						
Event Date (Local):	21-OCT-15	4		264	690	8.5	2.938							4						
Analysis Date (Local):	22 OCT 2015	5		265	705	8.8	3.183							5						
Analyst:	MB	6		266	708	10.1	4.347							6		712	10.1	4.342		
Stdization Date (Local):	22 OCT 2015	7		267	715	9.6	3.958							7						
KIO ₃ N:	0.012201	8		268	745	10.0	4.722						end point 2.27	8						
Standard Titer:	0.5208	9		269	1002	9.8	7.03						low end point 2.03v (murky water?)	9						
Blank Titer:	0.0003712	10												10						
THIO N:	0.23432	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

Institute of Ocean Sciences
Water Properties Group

Sunny through window during analysis, blocked windows.

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:	2015-54	1			175A	3107	7.9	2.377		1	175B	3121	7.9	2.381	
Event:	S3	2								2					
Station:	KSK-1	3			177	3085	7.9	2.544		3					
Event Date (Local):	19 OCT 2015	4			178	3086	8.0	2.568		4					
Analysis Date (Local):	19 OCT 2015	5			179	3088	8.1	2.604	over titrate, sudden jump @ end	5					
Analyst:	MB	6								6					
Stdization Date (Local):	17 OCT 2015	7			181	3089	8.5	2.720		7					
KIO ₃ N:	0.012201	8			182	3090	9.1	3.085		8					
Standard Titer:	0.5205276	9								9					
Blank Titer:	0.0057821	10			184	3094	9.1	3.231	hiskin top not sealed properly	10					
THIO N:	0.2344041	11			185A	3095	10.4	4.204		11	185B	3098	10.4	4.204	
Sample Flask Water Seal?	Yes	12								12					
	No	13			187	3084	10.5	4.395		13					
Reagent Change?	MnCl ₂	14			188	3100	10.7	4.814		14					
(Please circle reagent that was changed prior to sampling and standardization)	NaI/NaOH	15			189	3101	10.4	4.815		15					
	H ₂ SO ₄	16								16					
NOTE NEW BATCH IN LOG BOOK	KIO ₃	17			191	3103	10.3	6.1576		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: 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: 2015-541 2015-541	1		152	3070	8.1	2554	1							1					
Event: 51	5		156	3072	8.1	-	2						bubbles @ necks, did not reach endpoint? forgot 2nd? Aborted.	2					
Station: DOUG 4	7		158	3073	8.2	2720	3							3					
Event Date (Local): 18 Oct 15	9		160	3074	8.6	3.068	4							4	160	3075	8.6	3.063	
Analysis Date (Local): 19 Oct 2015	11		162	3076	9.0	3.252	5							5					
Analyst: MB	13		164	3078	9.4	3.470	6							6					
Stdization Date (Local): 17 Oct 2015	15		166	3079	9.7	3.635	7							15	166	3080	9.7?	3.629	Temp not recorded (just put in 9.7)
KIO ₃ N: 0.52052762	17		168	3081	10.2	3.998	8							8					
Standard Titer: 0.012201	19		170	3049	10.7	4.250	9							9					
Blank Titer: 0.0002821	21		172	3054	10.2	6.698	10						finish @ 202V	10					
THIO N: 0.234404	11						11							11					
Sample Flask Water Seal? ☒ Yes	12						12							12					
	13						13							13					
Reagent Change? MnCl ₂	14						14							14					
(Please circle reagent that was changed prior to sampling and standardization)	15						15							15					
NaI/NaOH	16						16							16					
H ₂ SO ₄	17						17							17					
NOTE NEW BATCH IN LOG BOOK	18						18							18					
KIO ₃	19						19							19					
THIO	20						20							20					
	21						21							21					
	22						22							22					
	23						23							23					
	24						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

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:	2015-54	1		138	3051	7.9	2.462		1					
Event:	47	2		138	3052	7.9	2.438		2					
Station:	DOUG 11	3		138	3054	8.1	-	This sample was not found, it is Sample 172 in event 51.	3					
Event Date (Local):	18 Oct 15	4		140	3055	8.1	2.641		4					
Analysis Date (Local):	19 Oct 2015	5		141	3056	8.3	2.659		5	141	3057	8.3	2.658	
Analyst:	MB	6		142	3059	8.7	2.989		6					
Stdization Date (Local):	17 Oct 2015	7		143	3061	9.0	3.245		7					
KIO ₃ N:	0.012201	8		144	3062	9.4	3.469	cleaned bath here	8					
Standard Titer:	0.5205276	9		145	3065	9.7	3.675		9					
Blank Titer:	0.0002821	10		146	3066	9.7	3.773		10					
THIO N:	0.234404	11		147	3069	9.7	4.155	bottle broke new flask # 3119	11					
Sample Flask Water Seal?	Yes	12		148	3068	10.2	6.321	no draw temp (put in 9.7) titration ended at 2.13v	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:	Start	19							19					
		20							20					
		21							21					
		22							22					
		23							23					
		24							24					

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

Dissolved Oxygen Analysis Log Sheet

Institute of Ocean Sciences
Water Properties Group

Last Updated: July 2015



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: 2015-054	1	1		119	3106	7.8	2.361		1					
Event: 45	3	2		121	3108	7.8	2.471		2					
Station: 000G16	4	3		122	3110	7.8	2.508		3					
Event Date (Local): 18 Oct 15	5	4		123A	3111	7.9	2.581	⇒	4	123B	3114	7.9	2.579	
Analysis Date (Local): 18/10/2015	6	5		124	3109	8.1	2.600		5					
Analyst: MB	7	6		125	3116	8.3	2.648		6					
Standardization Date (Local): 17 Oct 2015	8	7		126	3117	8.7	2.947		7					
KIO ₃ N: 0.012201	9	8		127	3118	9.1	3.244		8					
Standard Titer: 0.5205276	10	9		128	3119			— didn't close on bottom	9					
Blank Titer: 0.0002821	11	10		129	3120	10.7	4.688		10					
THIO N: 0.734404	12	11		130A	3044	10.2	4.225		11	130B	3046	10.2	4.204	
Sample Flask Water Seal? Yes	13	12		131	3047	10.2	4.240		12					
No	15	13		133	3048	10.2	6.236	titration ended @ 2.06 v bubble on window?	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					

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



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: 2015-54	1	1		95	3107	10.3	5.725	mistia?	1					
Event: 41	3	2		97	3121	7.9	2.517		2					
Station: FOC1	5	3		99	3085	7.9	2.555		3					
Event Date (Local): 18 Oct 15	7	4		101A	3086	8.0	2.603	⇒	4	1016	3088	8.0	2.598	
Analysis Date (Local): 18 Oct 15	9	5		103	3089	8.2	2.663		5					
Analyst: Tamar	11	6		105	3090	8.7	2.933		6					
Stdization Date (Local): 18 Oct 15	13	7		107	3094	9.0	3.137		7					
KIO ₃ N: 0.012201	15	8		109	3095	9.5	3.585		8					
Standard Titer: 0.5205276	17	9		111A	3098	10.6	4.638	⇒	9	1116	3084	10.7	4.639	
Blank Titer: 0.0002821	19	10		113	3100	10.7	4.711		10					
THIO N: 0.234404	21	11		115	3101	10.1	4.399		11					
Sample Flask Water Seal? ☒ Yes	23	12		117	3103	10.2	5.751		12					
		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					
Notes: <i>Whale</i>		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

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:	2015.54	1		86	3107	8.4	2.716		1					
Event:	38	2		87	3121	8.0	2.594		2					
Station:	Doug-31	3		88	3085	8.4	2.712		3					
Event Date (Local):	18 Oct 2015	4		89	3086	8.9	2.988		4					
Analysis Date (Local):	18 Oct 2015	5		90	3088	9.1	3.276		5					
Analyst:	MB	6		91	3089	9.1	3.290	60 trippax @ same depth as 5	6					
Stdization Date (Local):	17 Oct 2015	7		92A	3090	10.8	4.892	DUP →	7	92B	3094	10.8	4.892	
KIO ₃ N:	0.017201	8		93	3095	10.7	4.919		8					
Standard Titer:	0.5205276	9		94	3098	10.2	4.475		9					
Blank Titer:	0.0002821	10							10					
THIO N:	0.2344041	11		96	3084	10.3	5.909		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:	W-HALG	19							19					
		20							20					
		21							21					
		22							22					
		23							23					
		24							24					

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

Dissolved Oxygen Analysis Log Sheet

Institute of Ocean Sciences
Water Properties Group

Last Updated: July 2015



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:	2015-54	1		69	3107	7.8	2.477		1					
Event:	36	2							2					
Station:	DOUG26	3		71A	3121	7.8	2.527	Dup →	3	71B	3085	7.8	2.532	
Event Date (Local):	18 OCT 2015	4		72	3086	7.8	2.536		4					
Analysis Date (Local):	18 OCT 2015	5		73	3088	7.9	2.582		5					
Analyst:	MB	6		74	3089	8.0	2.605		6					
Stdization Date (Local):	17 OCT 2015	7		75	3090	8.3	2.678		7					
KIO ₃ N:	0.012201	8		76	3094	8.9	3.050		8					
Standard Titer:	0.5205276	9		77	3095	9.1	3.314		9					
Blank Titer:	0.002821	10		78A	3098	10.3	4.39	Dup →	10	78B	3084	10.3	4.347	
THIO N:	0.234404	11		79	3100	10.7	4.857		11					
Sample Flask	Yes	12		80	3101	10.5	4.741		12					
Water Seal?	No	13		81	3103	10.1	4.561		13					
Reagent Change?	MnCl ₂	14							14					
(Please circle reagent that was changed prior to sampling and standardization)	NaI/NaOH	15		83	3083	10.3	5.864		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

00228

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:	2015-54	1			44A	3100	9.5	3.337	⇒	1	44B	3101	9.6	3.337	☺				
Event:	28	2			46	3103	10.5	3.973		2									
Station:	HEC1	3			48	3083	11.1	4.518		3									
Event Date (Local):	17 Oct 15	4			50	3106	11.7	5.253		4									
Analysis Date (Local):	17 Oct 15	5			52A	3108	12.1	5.702	⇒	5	52B	3109	12.1	5.705					
Analyst:	Tamara	6			54	3110	12.1	5.721		6									
Stdization Date (Local):	17 Oct 15	7			56	3111	12.1	5.761		7									
KIO ₃ N:	0.012201	8			58	3114	12.2	5.755		8									
Standard Titer:	0.5205276	9								9									
Blank Titer:	0.0002821	10								10									
THIO N:	0.234404	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									

← software stalled - add 0.0003 mL to titr. volume
had to restart

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

00224

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:	2015-54	1			33	3107	8.4	2.479		1					
Event:	24	2			34	3121	8.5	2.624		2					
Station:	CS 84	3			35	3085	9.0	2.827		3					
Event Date (Local):	17 Oct 2015	4			36	3086	9.7	3.422		4					
Analysis Date (Local):	17 Oct 15	5			37	3088	10.5	4.206		5					
Analyst:	Tamara	6			38	3089	11.2	4.950		6					
Stdization Date (Local):	17 Oct 15	7			39A	3090	11.7	5.297	dup →	7	39B	3094	11.7	5.299	
KIO ₃ N:	0.012201	8			40	3095	11.6	5.215	11.6	8					
Standard Titer:	0.5205276	9			41	3096	11.7	X		9					
Blank Titer:	0.0002821	10								10					
THIO N:	0.234404	11			43	3098	11.2	5.746		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

Institute of Ocean Sciences

Water Properties Group

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:	2015-54						1			15	3107	8.8	2793		1					
Event:	17						2			16	3121	8.9	2482		2					
Station:	CSC74						3			17	3085	8.0	2544		3					
Event Date (Local):	17 Oct 15						4			18	3086	8.3	2661		4					
Analysis Date (Local):	17 OCT 2015						5			19A	3088	8.7	2780	dup →	5	3087 ^{19B}		8.7	2783	
Analyst:	mß						6			20	3090	9.7	3561		6					
Stdization Date (Local):	17 Oct 2015						7			21	3094	10.9	4.082		7					
KIO ₃ N:	0.012201						8			22	3095	11.0	4.784		8					
Standard Titer:	0.5205						9			23A	3096	11.5	5200	dup →	9	3098 ^{23B}		11.5	5202	
Blank Titer:	0.00056						10			24	3084	11.5	5416		10					
THIO N:	0.234531						11			25	3100	11.1	5.616		11					
Sample Flask Water Seal?	Yes No						12								12					
Reagent Change?	MnCl ₂						13			27	3101			Nisk in Empty?	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

Institute of Ocean Sciences
Water Properties Group

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:	2015-54	1			1	3107	10.1	2.629							1					
Event:	7	2			2	3121	10.0	2.625							2					
Station:	806N	3			3	3085	10.0	2.629							3					
Event Date (Local):	15 Oct 2015	4			4	3086									4					no water - bottom did not close
Analysis Date (Local):	15 Oct 15	5			5	3088	10.5	2.677							5					
Analyst:	Tamara	6			6	3089	10.1	2.180							6					
Stdization Date (Local):	14 Oct 15	7			7	3090	10.3	2.829							7	76	3094	10.3	2.842	* draw temp in W02 as 10.9*
KIO ₃ N:	0.012201	8			8	3095	10.9	3.882							8					
Standard Titer:	0.5228858	9			9	3096	12.0	4.904							9					add 5ul to titm volume - see notes in
Blank Titer:	0.0005629	10			10	3098	12.1	5.065							10					
THIO N:	0.233566	11			11	3084	12.6	5.296							11					small bubble in flask @ neck
Sample Flask Water Seal?	Yes	12													12					no oxygen sample - for suspended mat
Reagent Change?	MnCl ₂	13			13	3100	13.5	5.618							13					- flicks only
(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

Institute of Ocean Sciences
Water Properties Group

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:	2015.54	2		226	3107	8.1		Niskin did not close took for 2)	1	226	3121	8.1	2.453	(both are sample 226)
Event:	63	2							2					
Station:	DOX-45	3		227	3085	8.1	2.617		3					
Event Date (Local):	19 Oct 15	4		228	3086	8.1	2.521		4					
Analysis Date (Local):	19 Oct 15	5		229	3088	8.2	2.553		5					
Analyst:	Tamara	6		230	3089	8.4	2.595		6					
Stdization Date (Local):	19 Oct 15	7		231	3090	8.8	2.744		7					
KIO ₃ N:	0.012201	8		232	3094	9.2	3.001		8					
Standard Titer:	0.521748	9		233	3095	9.3	3.286		9					
Blank Titer:	0.0001096	10		234	3098	10.3	4.162		10					
THIO N:	0.233868	11		235	3084	11.1	4.787		11	235	3100	11.1	4.770	
Sample Flask Water Seal?	Yes	12		236	3101	10.9	4.781		12					
	No	13		237	3103	10.9	4.753		13					
Reagent Change?	MnCl ₂	14							14					
(Please circle reagent that was changed prior to sampling and standardization)	NaI/NaOH	15		238	3106	11.4	5.510		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					

was entering comments and hit some key - can you recover? lost data - thought I overtitrated - titration had completed. Cit 00263 - oz box - data file

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

00257

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:	2015-54	1		194	650	7.9	2.415		1					
Event:	57	2							2					
Station:	SC61	3		196	657	7.9	2.465		3					
Event Date (Local):	19 Oct 2015	4							4					
Analysis Date (Local):	19 Oct 15	5		198A	658	8.1	2.526		5	198B	690	8.1	2.519	
Analyst:	Tamar	6							6					
Stdization Date (Local):	19 Oct 15	7		200	705	8.4	2.608		7					
KIO ₃ N:	0.012201	8							8					
Standard Titer:	0.521748	9		202	708	8.7	2.776		9					
Blank Titer:	0.0001096	10							10					
THIO N:	0.233868	11		204	712	9.3	3.139		11					
Sample Flask Water Seal?	Yes	12							12					
	No	13		206	715	10.0	3.736		13					
Reagent Change?	MnCl ₂	14							14					
(Please circle reagent that was changed prior to sampling and standardization)	NaI/NaOH	15		208A	745	10.8	4.935		15	208B	1002	10.8	4.927	
NOTE NEW BATCH IN LOG BOOK	H ₂ SO ₄	16							16					
	KIO ₃	17		210	1416	11.1	5.160		17					
	THIO	18							18					
Notes:		19		212	1019	11.1	5.285		19					
		20							20					
		21		214	1023	11.0	5.968		21					
		22							22					
		23		216	1035	10.8	6.096		23					
		24							24					

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

Dissolved Oxygen Analysis Log Sheet

Institute of Ocean Sciences
Water Properties Group

Last Updated: July 2015



File -> 18702

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:	2015.54	1			350	3107	7.9	2.466		1	3121	7.9		2.454	
Event:	187	2			351	3085	7.8	2.543		2					
Station:	WS4	3			352	3086	7.9	2.633		3					
Event Date (Local):	25 OCT 2015	4			353	3088	8.0	2.600	air bubble from chem	4					
Analysis Date (Local):	26 OCT 2015	5			354	3089	8.2	2.641	air bubble "	5					
Analyst:	mb	6			355	3090	8.5	2.769	air bubble "	6	3094	8.5		2.801	air bubble from chem
Stdization Date (Local):	25 OCT 2015	7			356	3095	8.9	3.089		7					
KIO ₃ N:	0.012201	8			357	3098	9.5	3.553		8					
Standard Titer:	0.5204089	9			358	3084	9.9	4.162	air bubbles/retake P Lucas ->	9	3084	10.0		10.0	
Blank Titer:	0.0003712	10			359	3101	10.3	4.778		10					
THIO N:	0.224486	11			360	3100	10.1	4.587		11					
Sample Flask Water Seal?	Yes	12			361	3103	9.6	5.633		12					
	No	13			362	3106	9.5	6.034		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					
WHALE		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.