

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:	2017-56	1			1	547	12.2	4.220		1					
Event:	01	2			2	437	11.9	4.163		2					
Station:	BSZA (21)	3			3	438	12.3	4.601		3					
Event Date (Local):	28/6/17	4			4	3199	13.5	5.724		4					
Analysis Date (Local):	29/6/17	5			5	3131	15.0	6.755		5					
Analyst:	H.M.	6			6	3109	16.0	7.950		6					
Stdization Date (Local):	27/6/17	7			7	3031	16.5	7.642		7					
KIO ₃ N:	0.0118636	8								8					
Standard Titer:	0.4922	9								9					
Blank Titer:	0.00050	10								10					
THIO N:	0.24117	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.

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Cruise Number:	2017-56						1			15	3091	12.7	4.426		1					SHOULD BE STATION 23	
Event:	03						2			16	339	12.2	4.348		2					IN FILE (BS 2C)	
Station:	BS 2C (23)						3			17	3155	12.3	4.560		3					A=1 B=2 C=3	
Event Date (Local):	28/6/17						4			18	3120	13.2	5.338		4					CAST # 3 (NOT 2)	
Analysis Date (Local):	29/6/17						5			19	3044	15.1	6.601		5						
Analyst:	H M.						6			20	435	16.1	7.328		6						
Stdization Date (Local):	27/6/17						7			21	3170	16.7	7.554		7						
KIO ₃ N:	0.0118636						8								8						
Standard Titer:	0.4922						9								9						
Blank Titer:	0.00050						10								10						
THIO N:	0.24117						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.

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Cruise Number:	2017-56						1			29	3180	12.7	4.287		1						
Event:	05						2			30	429	12.6	4.538		2						
Station:	BSZE (25)						3			31	3029	12.6	4.801		3						
Event Date (Local):	28/6/17						4			32	3118	13.0	5.180		4						
Analysis Date (Local):	29/6/17						5			33	658	14.3	6.127		5						
Analyst:	H.M.						6			34	730	15.8	7.128		6						
Stdization Date (Local):	27/6/17						7			35	3173	16.7	7.546		7						
KIO ₃ N:	0.0118636						8								8						
Standard Titer:	0.4922						9								9						
Blank Titer:	0.00050						10								10						
THIO N:	0.24117						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.

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Cruise and Analysis Information		Nisk ID	Nisk Int V	Nisk Int S	Sample ID	Flask 1	Draw T 1 (°C)	OXY-1 (mL/L)	OXY-1 Comments	Nisk ID	Sample ID	Flask 2	Draw T 2 (°C)	OXY-2 (mL/L)	OXY-2 Comments
Cruise Number:	2017-56	1			43	3030	12.3	4.138		1					
Event:	07	2			44	3079	11.9	3.976		2					
Station:	BS2G (27)	3			45	1050	11.9	4.104		3					
Event Date (Local):	28/6/17	4			46	1094	12.4	4.663		4					
Analysis Date (Local):	29/6/17	5			47	3086	14.1	5.973		5					
Analyst:	H.M.	6			48	3081	15.6	7.076		6					
Stdization Date (Local):	27/6/17	7			49	3057	16.9	7.686		7					
KIO ₃ N:	0.0118626	8								8					
Standard Titer:	0.4922	9								9					
Blank Titer:	0.00050	10								10					
THIO N:	0.2417	11								11					
Sample Flask Water Seal?	Yes	12								12					
	No	13								13					
Reagent Change?	MnCl ₂	14								14					
(Please circle reagent that was changed prior to sampling and standardization)	NaI/NaOH	15								15					
	H ₂ SO ₄	16								16					
NOTE NEW BATCH IN LOG BOOK	KIO ₃	17								17					
	THIO	18								18					
Notes:		19								19					
		20								20					
		21								21					
		22								22					
		23								23					
		24								24					

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Cruise and Analysis Information							OXY-1						OXY-2														
Cruise Number:	Event:	Station:	Event Date (Local):	Analysis Date (Local):	Analyst:	Stdization Date (Local):	KIO ₃ N:	Standard Titer:	Blank Titer:	THIO N:	Sample Flask Water Seal?	Reagent Change? (Please circle reagent that was changed prior to sampling and standardization) NOTE NEW BATCH IN LOG BOOK	Notes:	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
														2017-56	29	BS 17A	30/6/17	30/6/17	H.M.	27/6/17	0.0118636	0.4922	0.00650	0.24117	Yes	MnCl ₂	
												NaI/NaOH		2			51	437	11.5	4.341		2					
												H ₂ SO ₄		3			52	438	11.9	4.745		3					
												KIO ₃		4			53	3199	12.7	5.150		4					
												THIO		5			54	3131	14.3	5.800		5					
														6			55	3109	16.8	6.665		6					
														7			56	3031	17.9	6.906		7					
														8								8					
														9								9					
														10								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					

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Cruise and Analysis Information		Nisk ID	Nisk Int V	Nisk Int S	Sample ID	Flask 1	Draw T 1 (°C)	OXY-1 (mL/L)	OXY-1 Comments	Nisk ID	Sample ID	Flask 2	Draw T 2 (°C)	OXY-2 (mL/L)	OXY-2 Comments
Cruise Number:	2017-56	1			64	3176	11.6	4.594		1					
Event:	31	2			65	3091	11.5	4.575		2					
Station:	BS17C (3)	3			66	339	11.7	4.654		3					
Event Date (Local):	30/6/17	4			67	3155	12.2	4.959		4					
Analysis Date (Local):	30/6/17	5			68	3120	13.4	5.494		5					
Analyst:	H.M.	6			69	3044	15.7	6.433		6					
Stdization Date (Local):	27/6/17	7			70	435	17.4	6.893		7					
KIO ₃ N:	0.0118636	8								8					
Standard Titer:	0.4922	9								9					
Blank Titer:	0.00050	10								10					
THIO N:	0.24117	11								11					
Sample Flask Water Seal?	Yes	12								12					
	No	13								13					
Reagent Change?	MnCl ₂	14								14					
(Please circle reagent that was changed prior to sampling and standardization)	NaI/NaOH	15								15					
	H ₂ SO ₄	16								16					
NOTE NEW BATCH IN LOG BOOK	KIO ₃	17								17					
	THIO	18								18					
Notes:		19								19					
		20								20					
		21								21					
		22								22					
		23								23					
		24								24					

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Cruise Number:	2017-56						1			78	3170	12.5	4.619		1						
Event:	33						2			79	1311	12.0	4.525		2						AGAIN - SHOULD BE
Station:	BS17C (5)						3			80	3180	12.1	4.587		3						1703 IN FILES NOT
Event Date (Local):	30/6/17						4			81	429	12.5	4.888		4						1702 BS17C
Analysis Date (Local):	30/6/17						5			82	3029	13.4	5.272		5						ABC
Analyst:	H.M						6			83	3118	16.5	6.708		6						123
Stdization Date (Local):	27/6/17						7			84	730	17.8	7.199		7						
KIO ₃ N:	0.118636						8								8						
Standard Titer:	0.4922						9								9						
Blank Titer:	0.00050						10								10						
THIO N:	0.24117						11								11						
Sample Flask	(Yes)						12								12						
Water Seal?	No						13								13						
Reagent Change?	MnCl ₂						14								14						
(Please circle reagent that was changed prior to sampling and standardization)	NaI/NaOH						15								15						
NOTE NEW BATCH IN LOG BOOK	H ₂ SO ₄						16								16						
	KIO ₃						17								17						
	THIO						18								18						
Notes:							19								19						
							20								20						
							21								21						
							22								22						
							23								23						
							24								24						

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Cruise Number:	2017-36	1			92	658	11.6	4.542		1					
Event:	35	2			93	3173	11.5	4.556		2					
Station:	BS17G (7)	3			94	3030	11.5	4.652		3					
Event Date (Local):	30/6/17	4			95	3079	12.0	4.874		4					
Analysis Date (Local):	30/6/17	5			96	1050	13.0	5.318		5					
Analyst:	4.m	6			97	3086	15.4	6.502		6					
Stdization Date (Local):	27/6/17	7			98	3081	17.9	7.518		7					
KIO ₃ N:	0.0118636	8								8					
Standard Titer:	0.4922	9								9					
Blank Titer:	0.00050	10								10					
THIO N:	0.24117	11								11					
Sample Flask Water Seal?	Yes	12								12					
	No	13								13					
Reagent Change?	MnCl ₂	14								14					
(Please circle reagent that was changed prior to sampling and standardization)	NaI/NaOH	15								15					
	H ₂ SO ₄	16								16					
NOTE NEW BATCH IN LOG BOOK	KIO ₃	17								17					
	THIO	18								18					
Notes:		19								19					
		20								20					
		21								21					
		22								22					
		23								23					
		24								24					

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Cruise Number:	2017-56						1			99	547	11.2	4.491		1					
Event:	42						2			100	437	11.0	4.513		2					
Station:	BS23A (1)						3			101	438	11.3	4.727		3					
Event Date (Local):	1/7/17						4			102	3199	11.8	4.893		4					
Analysis Date (Local):							5			103	331	12.3	5.080		5					
Analyst:	H.M						6			104	3109	14.9	6.708		6					
Stdization Date (Local):	30/6/17						7			105	3031	17.9	—	LID JAMMED - CAN'T OPEN	7					
KIO ₃ N:	0.0118636						8							STILL THERE	8					
Standard Titer:	0.4921						9							SWORDFISH	9					
Blank Titer:	0.0005						10								10					
THIO N:	0.24100						11								11					
Sample Flask Water Seal?	Yes						12								12					
	No						13								13					
Reagent Change?	MnCl ₂						14								14					
(Please circle reagent that was changed prior to sampling and standardization)	NaI/NaOH						15								15					
	H ₂ SO ₄						16								16					
NOTE NEW BATCH IN LOG BOOK	KIO ₃						17								17					
	THIO						18								18					
Notes:							19								19					
							20								20					
							21								21					
							22								22					
							23								23					
							24								24					

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Cruise Number:	2017-56						1			113	3176	11.1	4.481		1						
Event:	44						2			114	3091	11.0	4.504		2						
Station:	BS23 C (3)						3			115	339	11.1	4.543		3						
Event Date (Local):	1/7/17						4			116	3155	11.5	4.785		4						
Analysis Date (Local):							5			117	3120	11.9	4.877		5						
Analyst:	H.K.						6			118	3044	14.5	6.518		6						
Stdization Date (Local):	30/6/17						7			119	435	17.6	7.263		7						
KIO ₃ N:	0.0118636						8								8						
Standard Titer:	0.4921						9								9						
Blank Titer:	0.0005						10								10						
THIO N:	0.24100						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						
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							23								23						
							24								24						

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Cruise Number:	2017-56	1			127	3170	11.3	4.427		1					
Event:	46	2			128	1311	11.0	4.44		2					
Station:	B523E (5)	3			129	3180	11.0	4.537		3					
Event Date (Local):	1/7/17	4			130	429	11.5	4.741		4					
Analysis Date (Local):		5			131	3029	12.1	4.970		5					
Analyst:	H.M.	6			132	3118	15.4	7.107		6					
Stdization Date (Local):	30/6/17	7			133	736	18.7	6.863		7					
KIO ₃ N:	0.8118636	8								8					
Standard Titer:	0.4921	9								9					
Blank Titer:	0.0005	10								10					
THIO N:	0.24100	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					
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Cruise Number:	2017-56	1			134	658	11.2	4.417		1					
Event:	48	2			135	3173	11.1	4.453		2					
Station:	B523 G (7)	3			136	3030	11.2	4.554		3					
Event Date (Local):	1/7/17	4			137	3079	11.9	4.930		4					
Analysis Date (Local):		5			138	1050	13.5	6.082		5					
Analyst:	H-n	6			139	3086	17.3	7.176		6					
Stdization Date (Local):	30/6/17	7			140	3081	19.5	6.902		7					
KIO ₃ N:	0.0118636	8								8					
Standard Titer:	0.4921	9								9					
Blank Titer:	0.0005	10								10					
THIO N:	0.24100	11								11					
Sample Flask Water Seal?	Yes	12								12					
	No	13								13					
Reagent Change?	MnCl ₂	14								14					
(Please circle reagent that was changed prior to sampling and standardization)	NaI/NaOH	15								15					
	H ₂ SO ₄	16								16					
NOTE NEW BATCH IN LOG BOOK	KIO ₃	17								17					
	THIO	18								18					
Notes:		19								19					
		20								20					
		21								21					
		22								22					
		23								23					
		24								24					

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