

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: 2017-03	1			3056	1	8.5	5.491		1					
Event: 001	2			1059	2	8.5	5.417		2					
Station: BS 2-A	3			3021	3	8.5	5.701		3					
Event Date (Local): 15/4/17	4			2086	4	8.6	6.092		4					
Analysis Date (Local): 16/4/17	5			3107	5	8.6	6.394		5					
Analyst: H.M	6			2089	6	8.7	7.140		6					
Stdization Date (Local): 16/4/17	7			3100	7	8.9	7.760		7					
KIO ₃ N: 0.0123489	8								8					
Standard Titer: 0.51301	9								9					
Blank Titer: 0.00051	10								10					
THIO N: 0.24095	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)	15								15					
NaI/NaOH	16								16					
H ₂ SO ₄	17								17					
NOTE NEW BATCH IN LOG BOOK	18								18					
KIO ₃	19								19					
THIO	20								20					
Notes:	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:	2017-03	1			15	3019	8.7	5.243						1						
Event:	004	2			16	2075	8.6	5.173						2						
Station:	BS 2C	3			17	639	8.6	5.355						3						
Event Date (Local):	15/4/17	4			18	1053	8.6	5.628						4						
Analysis Date (Local):	16/4/17	5			19	715	8.7	5.961						5						
Analyst:	H.M.	6			20	1002	8.7	6.298						6						
Stdization Date (Local):	16/4/17	7			21	3035	9.1	7.893	16/4/17	STAND DATE				7						
KIO ₃ N:	0.0123489	8												8						
Standard Titer:	0.51301	9							0.51301	STAND TITRE				9						
Blank Titer:	0.00051	10							0.00051	BLANK TITRE				10						
THIO N:	0.24095	11							0.24095	THIO N				11						
Sample Flask	Yes	12												12						
Water Seal?	No	13												13						
Reagent Change?	MnCl ₂	14												14						
(Please circle reagent that was changed prior to sampling and standardization)	NaI/NaOH	15												15						
NOTE NEW BATCH IN LOG BOOK	H ₂ SO ₄	16												16						
	KIO ₃	17												17						
	THIO	18												18						
Notes:		19												19						
		20												20						
		21												21						
		22												22						
		23												23						
		24												24						

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

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Cruise Number:	2017-03	1		29	2073	8.7	5.141		1					
Event:	007	2		30	647	8.6	5.232		2					
Station:	BS2-E	3		31	1054	8.6	5.446		3					
Event Date (Local):	15/4/17	4		32	620	8.7	5.593		4					
Analysis Date (Local):	16/4/17	5		33	631	8.7	6.125		5					
Analyst:	H.O.	6		34	2095	8.8	6.635		6					
Stdization Date (Local):	16/4/17	7		35	630	9.5	8.726		7					
KIO ₃ N:	0.0123489	8							8					
Standard Titer:	0.51301	9							9					
Blank Titer:	0.00051	10							10					
THIO N:	0.24095	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:	2017-03						1			43	557	8.7	4.796		1					
Event:	009						2			44	3025	8.7	4.978		2					
Station:	BSZ-G						3			45	3192	8.6	5.315		3					
Event Date (Local):	15/4/17						4			46	3040	8.7	5.881		4					
Analysis Date (Local):	16/4/17						5			47	3013	8.9	6.529		5					
Analyst:	H.M.						6			48	3013	9.3	8.668		6					
Stdization Date (Local):	16/4/17						7			49	3038	9.8	9.223		7					
KIO ₃ N:	0.0123489						8								8					
Standard Titer:	0.5301						9							9						
Blank Titer:	0.00051						10							10						
THIO N:	0.24095						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						

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Cruise Number: 2017-03	1			50	575	8.7	5.468							1					
Event: 011	2			51	611	8.7	5.529							2					
Station: BS2-H	3			52	510	8.7	5.655							3					
Event Date (Local): 15/4/17	4			53	3053	8.8	5.864							4					
Analysis Date (Local):	5			54	745	9.2	7.559							5					
Analyst: H-m	6			55	3634	9.6	8.895							6					
Stdization Date (Local): 16/4/17	7			56	612	9.9	9.184							7					
KIO ₃ N: 0.0123489	8													8					
Standard Titer: 0.57301	9													9					
Blank Titer: 0.00051	10													10					
THIO N: 0.24095	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					
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Cruise Number:	2017-03						1			57	586	8.6	5.046		1					
Event:	014						2			58	2099	8.6	5.392		2					
Station:	BS 17-A						3			59	3043	8.7	6.218		3					
Event Date (Local):	014						4			60	3162	8.7	6.472		4					
Analysis Date (Local):							5			61	3096	8.8	6.613		5					
Analyst:	H.M.						6			62	2097	8.7	6.785		6					
Stdization Date (Local):	16/4/17						7			63	570	8.7	6.916		7					
KIO ₃ N:	0.0123409						8								8					
Standard Titer:	0.51301						9								9					
Blank Titer:	0.00051						10								10					
THIO N:	0.24095						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:	2017-03	1		71	547	8.8	4.833		1					
Event:	017	2		72	437	8.8	5.108		2					
Station:	BS 17 C	3		73	436	8.9	5.887		3					
Event Date (Local):	16/4/17	4		74	3199	9.0	6.298		4					
Analysis Date (Local):	17/4/17	5		75	313	9.1	6.680		5					
Analyst:	H.M	6		76	3109	9.1	6.968		6					
Stdization Date (Local):	17/4/17	7		77	3031	9.1	7.189		7					
KIO ₃ N:	0.0123489	8							8					
Standard Titer:	0.50310 0.51212	9							9					
Blank Titer:	0.00051 0.0006	10							10					
THIO N:	0.241165	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					
	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:	2017-03						1			85	3091	8.9	5.343		1						
Event:	020						2			86	339	8.6	5.094		2						
Station:	BS 17-E						3			87	3155	8.7	5.817		3						
Event Date (Local):	16/4/17						4			88	3120	8.7	6.154		4						
Analysis Date (Local):	17/4/17						5			89	3044	8.9	6.851		5						
Analyst:	HM						6			90	435	8.9	7.451		6						
Stdization Date (Local):	17/4/17						7			91	3170	9.2	8.366		7						
KIO ₃ N:	0.0123489						8								8						
Standard Titer:	0.51034 0.51272						9								9						
Blank Titer:	0.00051 0.0006						10								10						
THIO N:	0.24045 0.24116						11							THIO N = 0.24116	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:	2017-03						1			98	3180	8.8	4.682		1					
Event:	023						2			99	429	8.7	4.770		2					
Station:	BS17 G						3			100	3021	8.7	5.471		3					
Event Date (Local):	16/4/17						4			101	3118	8.8	6.280		4					
Analysis Date (Local):	17/4/17						5			102	658	8.9	6.280		5					
Analyst:	H.M.						6			103	730	9.0	7.770	RUINED SAMPLE BY ME	6					
Stdization Date (Local):	17/4/17						7			104	3173	9.1	8.427		7					
KIO ₃ N:	0.0123489						8								8					
Standard Titer:	0.5130 + 0.5127						9								9					
Blank Titer:	0.00051 0.0006						10								10					
THIO N:	0.24095 0.241161						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:	2017-03						1			105	3056	8.5	4.926		1					
Event:	025						2			106	1059	8.5	4.902		2					
Station:	BS17-14						3			107	3021	8.7	5.822		3					
Event Date (Local):	16/4/17						4			108	2086	8.7	6.247		4					
Analysis Date (Local):	17/4/17						5			109	3104	8.8	6.716		5					
Analyst:	U.M.						6			110	2089	8.9	7.865		6					
Stdization Date (Local):	18/4/17						7			111	3168	9.4	9.240		7					
KIO ₃ N:	0.0123489						8								8					
Standard Titer:	0.51031 0.51272						9								9					
Blank Titer:	0.00051 0.00060						10								10					
THIO N:	0.24095						11							THIO N = 0.241161	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:	2017-03	1		112	3019	8.8	5.417		1					
Event:	020	2		113	2075	8.7	5.558		2					
Station:	BS 23 A	3		114	639	8.7	5.955		3					
Event Date (Local):	17/4/17	4		115	1053	8.7	6.322		4					
Analysis Date (Local):	18/4/17	5		116	715	8.8	6.685	BAD SAMPLE - ACIDIFIED EARLIER BY MISTAKE	5					
Analyst:	H.M.	6		117	1002	8.8	7.297		6					
Stdization Date (Local):	17/4/17	7		118	3035	9.0	8.590		7					
KIO ₃ N:	0.0123489	8							8					
Standard Titer:	0.51272	9							9					
Blank Titer:	0.00060	10							10					
THIO N:	0.241161	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:	2017-03	1		126	2673	8.7	5.203		1					
Event:	031	2		127	647	8.6	5.655		2					
Station:	BS 23 C	3		128	1054	8.6	5.942		3					
Event Date (Local):	17/4/17	4		129	620	8.6	6.220		4					
Analysis Date (Local):	18/4/17	5		130	631	8.7	6.648		5					
Analyst:	H.M.	6		131	2095	8.8	7.887		6					
Stdization Date (Local):	17/4/17	7		132	638	9.0	9.959		7					
KIO ₃ N:	0.0123489	8							8					
Standard Titer:	0.51272	9							9					
Blank Titer:	0.00060	10							10					
THIO N:	0.241161	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:	2017-03	1			140	547	8.7	5.250		1					
Event:	034	2			141	437	8.7	5.476		2					
Station:	BS 23 E	3			142	438	8.7	5.842		3					
Event Date (Local):	17/4/17	4			143	3199	8.7	6.155		4					
Analysis Date (Local):	18/4/17	5			144	313	8.8	6.668		5					
Analyst:	H.M.	6			145	3109	9.0	7.867		6					
Stdization Date (Local):	17/4/17	7			146	303	9.1	9.108		7	146	3176	9.1	8.982	
KIO ₃ N:	0.0123489	8								8					
Standard Titer:	0.51272	9								9					
Blank Titer:	0.00060	10								10					
THIO N:	0.241161	11								11					
Sample Flask	Yes	12								12					
Water Seal?	No	13								13					
Reagent Change?	MnCl ₂	14								14					
(Please circle reagent that was changed prior to sampling and standardization)	NaI/NaOH	15								15					
NOTE NEW BATCH IN LOG BOOK	H ₂ SO ₄	16								16					
	KIO ₃	17								17					
	THIO	18								18					
Notes:		19								19					
		20								20					
		21								21					
		22								22					
		23								23					
		24								24					

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

Dissolved Oxygen Analysis Log Sheet

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:	2017-03	1			154	3091	8.7	5.320		1	154	339	8.7	5.331	
Event:	037	2			155	3155	8.7	5.538		2					
Station:	BS 23 G	3			156	3120	8.7	6.057		3					
Event Date (Local):	17/4/17	4			157	3044	8.8	6.463		4					
Analysis Date (Local):	18/4/17	5			158	435	9.0	6.905		5					
Analyst:	U.M	6			159	3170	9.5	9.600		6					
Stdization Date (Local):	17/4/17	7			160	1311	9.8	10.856	OVER 1-1 THIO	7					
KIO ₃ N:	0.0123489	8								8					
Standard Titer:	0.51272	9								9					
Blank Titer:	0.00060	10								10					
THIO N:	0.241161	11								11					
Sample Flask	Yes	12								12					
Water Seal?	No	13								13					
Reagent Change?	MnCl ₂	14								14					
(Please circle reagent that was changed prior to sampling and standardization)	NaI/NaOH	15								15					
NOTE NEW BATCH IN LOG BOOK	H ₂ SO ₄	16								16					
	KIO ₃	17								17					
	THIO	18								18					
Notes:		19								19					
		20								20					
		21								21					
		22								22					
		23								23					
		24								24					

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

Dissolved Oxygen Analysis Log Sheet

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Cruise and Analysis Information							Nisk ID	Nisk Int V	Nisk Int S	Sample ID	Flask 1	Draw T 1 (°C)	OXY-1 (mL/L)	OXY-1 Comments	Nisk ID	Sample ID	Flask 2	Draw T 2 (°C)	OXY-2 (mL/L)	OXY-2 Comments
Cruise Number:	2017-03						1			168	3100	8.7	5.431		1					
Event:	040						2			169	429	8.7	5.647		2					
Station:	BS23 I						3			170	3029	8.8	5.079		3	1670	3118	8.8	5.875	
Event Date (Local):	17/4/17						4			171	658	8.9	6.251		4					
Analysis Date (Local):	18/4/17						5			172	730	9.1	7.247		5					
Analyst:	H.M						6			173	3030	9.5	9.598		6					
Stdization Date (Local):	17/4/17						7			174	3079	9.9	10.878	in DOSMAT REFILLED @ 0.9987 mL?	7					
KIO ₃ N:	0.0123489						8								8					
Standard Titer:	0.51721						9								9					
Blank Titer:	0.0060						10								10					
THIO N:	0.241161						11								11					
Sample Flask Water Seal?	Yes						12								12					
	No						13								13					
Reagent Change?	MnCl ₂						14								14					
(Please circle reagent that was changed prior to sampling and standardization)	NaI/NaOH						15								15					
NOTE NEW BATCH IN LOG BOOK	H ₂ SO ₄						16								16					
	KIO ₃						17								17					
	THIO						18								18					
Notes:							19								19					
							20								20					
							21								21					
							22								22					
							23								23					
							24								24					

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

Dissolved Oxygen Analysis Log Sheet

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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:	2017-03	1			202	3056	8.8	4.037		1					
Event:	057	2			203	1059	8.6	5.061		2					
Station:	BS 33.6	3			204	3021	8.6	5.627		3					
Event Date (Local):	19/4/17	4			205	2096	8.6	6.647		4					
Analysis Date (Local):	19/4/17	5			206	3104	9.0	7.648		5					
Analyst:	H.M.	6			207	2094	9.2	7.909		6					
Stdization Date (Local):	19/4/17	7			208	3108	9.3	8.012		7	208	3088	9.3	8.020	
KIO ₃ N:	0.0123489	8								8					
Standard Titer:	0.51285	9								9					
Blank Titer:	0.00035	10								10					
THIO N:	0.24091	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.