

Dissolved Oxygen Analysis Log Sheet

Institute of Ocean Sciences
Water Properties Group

Last Updated: July 2015



Bender

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: 2016-436	1			1	569	10.5	2.927		1					
Event: 5	2			2	3132	10.5	2.867		2					
Station: BS14	3			3	3129	10.6	2.892		3	3	2014	10.7	2.894	
Event Date (Local): 23 June 2016	4			4	3022	11.4	4.295		4					
Analysis Date (Local): 23 June 2016	5			5	3028	13.6	4.3	5.534	5					
Analyst: KS	6			6	3133	15.5	6.080		6					
Stdization Date (Local): 23 June 2016	7			7	3134	16.1	6.210		7					
KIO ₃ N: 0.0182189	8								8					
Standard Titer: 0.50577	9								9					
Blank Titer: 0.00055	10								10					
THIO N: 0.23416	11								11					
Sample Flask (Yes)	12								12					
Water Seal? No	13								13					
Reagent Change? MnCl ₂	14								14					
(Please circle reagent that was changed prior to sampling and standardization)	15								15					
NOTE NEW BATCH IN LOG BOOK	16								16					
	17								17					
	18								18					
Notes: Kenny sample	19								19					
Kathin fix	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 appropriate column if either fails the integrity check and explain this in the comments column.

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Cruise Number:	2016-436	1		8	3135	10.4	2.228		1					
Event:	10	2		9	3125	10.3	2.243		2					
Station:	BS8	3		10	3126	10.4	2.521		3					
Event Date (Local):	23 June 2016	4		11	3144	11.3	4.229		4					
Analysis Date (Local):	23 June 2016	5		12	3147	12.6	5.174		5					
Analyst:	KS	6		13	3138	14.4	6.194	→	6	313	3150	14.5	6.196	
Stdization Date (Local):	23 June 2016	7		14	3142	16.5	6.353		7					
KIO ₃ N:	0.0118189	8							8					
Standard Titer:	0.50577	9							9					
Blank Titer:	0.00055	10							10					
THIO N:	0.23416	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:	2016-436						1			15	3016	10.7	3.056		1					
Event:	15						2			16	3191	10.6	3.082		2					
Station:	BS2						3			17	3143	10.7	3.259		3					
Event Date (Local):	23 June 2016						4			18	3148	10.7	3.238	→	4	18	3145	10.7	3.242	
Analysis Date (Local):	23 June 2016						5			19	3146	13.1	5.292		5					
Analyst:	KS						6			20	3209	15.8	6.564		6					
Stdization Date (Local):	23 June 2016						7			21	3201	16.3	6.659		7					
KIO ₃ N:	0.505770.0118189						8								8					
Standard Titer:	0.000 0.50577						9								9					
Blank Titer:	0.00055						10								10					
THIO N:	0.23416						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 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:	2016-476	1			22	569	10.4	2.768		1					
Event:	22	2			23	3132	10.4	2.758 →		2	23	3129	10.4	2.755	
Station:	B55	3			24	2014	10.4	2.771		3					
Event Date (Local):	24 June 2016	4			25	3022	10.8	3.624		4					
Analysis Date (Local):	24 June 2016	5			26	3028	12.3	4.902		5					
Analyst:	KS	6			27	3133	15.3	6.491		6					
Stdization Date (Local):	23 June 2016	7			28	3134	16.0	6.513		7					
KIO ₃ N:	0.0118189	8								8					
Standard Titer:	0.50577	9								9					
Blank Titer:	0.00055	10								10					
THIO N:	0.23416	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:	2016-436						1			29A	3135	10.9	2.958	→	1	29B	3125	10.8	2.974	Chemical residue on side of flask. Was likely not shaken well enough.
Event:	35						2			30	3126	10.5	2.884	2						
Station:	BS11						3			31	3144	10.5	2.867	3						
Event Date (Local):	24 June 2016						4			32	3147	11.3	4.212	4						
Analysis Date (Local):	24 June 2016						5			33	3138	12.4	4.962	5						
Analyst:	KS						6			34	3150	14.1	5.815	6						
Stdization Date (Local):	23 June 2016						7			35	3142	15.7	3.364	7						
KIO ₃ N:	0.0118189						8							8						
Standard Titer:	0.50577						9							9						
Blank Titer:	0.00055						10							10						
THIO N:	0.23416						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)	Na/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:	2016-476	1			36	569	10.9	4.045		1					
Event:	857 45	2			37	3132	10.9	4.007		2					
Station:	BS17	3			38	3129	10.9	3.998		3					
Event Date (Local):	25 June 2016	4			39	2014	11.2	4.499		4					
Analysis Date (Local):	25 June 2016	5			40	3022	12.6	5.203		5					
Analyst:	KS	6			41A	3028	13.9	5.730	→	6	41B	3133	13.9	5.726	
Stdization Date (Local):	25 June 2016	7			42	3134	14.8	6.032		7					
KIO ₃ N:	0.0118189	8								8					
Standard Titer:	0.50547	9								9					
Blank Titer:	0.000351	10								10					
THIO N:	0.23414	11								11					
Sample Flask	(Yes)	12								12					
Water Seal?	No	13								13					
Reagent Change?	(MnCl ₂) 15M1XB	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:	Standardized prior to analysis on account of MnCl ₂ change.	19								19					
		20								20					
		21								21					
		22								22					
		23								23					
		24								24					

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Cruise Number:	2016-436	1			43	3135	11.3	4.420		1					
Event:	51	2			44	3125	11.2	4.413		2					
Station:	B520	3			45	3126	11.2	4.418		3					
Event Date (Local):	25 June 2016	4			46	3144	11.3	4.458		4					
Analysis Date (Local):	25 June 2016	5			47	3147	12.4	5.036		5					
Analyst:	KS	6			48	3138	13.5	5.569		6					
Stdization Date (Local):	25 June 2016	7			49	3150	14.9	6.158	→ Endpoint a bit late	7	49	3142	15.1	6.156	
KIO ₃ N:	0.0118189	8								8					
Standard Titer:	0.50547	9								9					
Blank Titer:	0.00051	10								10					
THIO N:	0.23414	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:	2016-436	1			50	3016	11.0	4.366		1					
Event:	55	2			51	3191	10.8	4.265		2					
Station:	B522	3			52	3113	10.8	4.304		3					
Event Date (Local):	25 June 2016	4			53A	3148	11.2	4.534 →		4	53B	3145	11.3	4.536	
Analysis Date (Local):	25 June 2016	5			54	3146	11.7	4.705		5					
Analyst:	KS	6			55	3209	12.3	5.003		6					
Stdization Date (Local):	25 June 2016	7			56	3201	13.8	5.686		7					
KIO ₃ N:	0.0118189	8								8					
Standard Titer:	0.50547	9								9					
Blank Titer:	0.00051	10								10					
THIO N:	0.23414	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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Swallow

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Cruise Number: 2016-486	1			57	708	10.3	4.077								1										
Event: 58	2			58	3192	10.3	4.072								2										
Station: BS23	3			59	3040	10.3	4.106								3										
Event Date (Local): 25 June 2016	4			60A	3013	11.1	4.619	EP a bit late. Needs adjustment												4					
Analysis Date (Local): 29 June 2016	5			61A	3025	12.3	5.193	→												5	61B	557	12.4	5.198	
Analyst: KS	6			62	3093	13.9	5.948								6	42	27								
Stdization Date (Local): 25 June 2016	7			63	3038	15.3	6.467								7										
KIO ₃ N: 0.0118189	8														8										
Standard Titer: 0.50547	9														9										
Blank Titer: 0.00051	10														10										
THIO N: 0.23414	11														11										
Sample Flask (Yes)	12														12										
Water Seal? No	13														13										
Reagent Change? MnCl ₂	14														14										
(Please circle reagent that was changed prior to sampling and standardization)	15														15										
NOTE NEW BATCH IN LOG BOOK	16														16										
	17														17										
	18														18										
	19														19										
	20														20										
	21														21										
	22														22										
	23														23										
	24														24										

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Cruise Number: 2016-476		1		64	611	10.8	4.243	→	1	64	3114	10.9		Redrawn
Event: 63/64		2		65	510	10.5	4.165		2					
Station: BS29		3		66	528	10.6	4.181		3					
Event Date (Local): 25 June 2016		4		67	3053	11.0	4.487		4					
Analysis Date (Local): 25 June 2016		5		68	3034	12.0	5.146		5					
Analyst: KS		6		69A	612	14.1	6.445	→	6	69B	2098	14.2	6.461	
Stdization Date (Local): 25 June 2016		7		70	586	15.9	6.960		7					
KIO ₃ N: 0.0118189		8							8					
Standard Titer: 0.50547		9							9					
Blank Titer: 0.00051		10							10					
THIO N: 0.23414		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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Octopus.

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Cruise Number:	2016-436	1			71	3056	9.7	2.156		1					
Event:	67	2			72	1059	9.6	2.142		2					
Station:	B540	3			73	3021	9.7	2.139		3					
Event Date (Local):	26 June 2016	4			74	2086	9.7	2.179	→	4	74B	3104	9.7	2.177	
Analysis Date (Local):	26 June 2016	5			75	2095	9.7	2.521		5					
Analyst:	KS	6			76	3035	9.5	3.337		6					
Stdization Date (Local):	25 June 2016	7			77	3088	9.3	3.914		7					
KIO ₃ N:	0.0118989	8			78	3019	9.4	3.863		8					
Standard Titer:	0.50547	9			79	2075	10.1	4.018		9					
Blank Titer:	0.00051	10			80	2085	10.7	4.306	→	10	80B	2084	10.7	4.304	
THIO N:	0.23414	11			81	3029	14.0	6.612		11					
Sample Flask Water Seal?	Yes	12			82	1053	15.0	6.943		12					
	No	13			83	1002	15.7	6.845		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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Octopus

Cruise and Analysis Information								Nisk ID					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:	2016-426																								1					84A					639					10.3					4.107					→																	
Event:	70																								2					85					715					10.2					4.069																						
Station:	BS33																								3					86					2073					10.1					4.077																						
Event Date (Local):	26 June 2016																								4					87					638					11.2					4.617																						
Analysis Date (Local):	26 June 2016																								5					88					620					12.4					5.266																						
Analyst:	KS																								6					89					631					14.0					6.211																						
Stdization Date (Local):	25 June 2016																								7					90					622					15.3					6.797																						
KIO ₃ N:	0.0118189																								8																																										
Standard Titer:	0.50547																								9																																										
Blank Titer:	0.00051																								10																																										
THIO N:	0.23414																								11																																										
Sample Flask Water Seal?	Yes																								12																																										
	No																								13																																										
Reagent Change?	MnCl ₂																								14																																										
(Please circle reagent that was changed prior to sampling and standardization)	NaI/NaOH																								15																																										
NOTE NEW BATCH IN LOG BOOK	H ₂ SO ₄																								16																																										
	KIO ₃																								17																																										
	THIO																								18																																										
Notes:																									19																																										
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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



Swallow

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:	2016-476						1			91A	708	11.3	4.363	→	1	91B	3192	11.3	4.402	↔
Event:	73						2			92	3040	11.2	4.408		2					
Station:	B532						3			93	3013	11.4	4.566		3					
Event Date (Local):	26 June 2016						4			94	3025	12.7	5.349		4					
Analysis Date (Local):	26 June 2016						5			95	557	13.8	6.026		5					
Analyst:	KS						6			96	3093	15.6	6.820		6					
Stdization Date (Local):	25 June 2016						7			97	3038	15.7	6.827		7					
KIO ₃ N:	0.0118189						8								8					
Standard Titer:	0.50547						9								9					
Blank Titer:	0.00051						10								10					
THIO N:	0.23414						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

Octopus

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:	2016-486	1			105	3056	9.8	2.326	May have been a small droplet of Thio on tip. Flag 3.	1					
Event:	91	2			106	1059	9.7	2.329		2					
Station:	BS34	3			107	3021	9.7	2.364		3					
Event Date (Local):	27 June 2016	4			108A	2086	9.5	3.548		4	108B	3104	9.5	3.583	
Analysis Date (Local):	27 June 2016	5			109	2095	9.3	3.848		5					
Analyst:	KS	6			110	3035	9.4	3.910		6					
Stdization Date (Local):	27 June 2016	7			111	3088	10.6	4.328		7					
KIO ₃ N:	0.0118189	8			112	3019	11.4	4.667		8					
Standard Titer:	0.50528	9			113	2075	13.5	6.028		9					
Blank Titer:	0.00036	10			114	2085	15.3	6.848		10					
THIO N:	0.23411	11			115	2084	16.3	6.949		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)	Nal/NaOH	15								15					
NOTE NEW BATCH IN LOG BOOK	H ₂ SO ₄ 1603	16								16					
	KIO ₃	17								17					
	THIO	18								18					
Notes:	Standardization due to H ₂ SO ₄ Δ.	19								19					
		20								20					
		21								21					
		22								22					
		23								23					
		24								24					

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

Dissolved Oxygen Analysis Log Sheet

Institute of Ocean Sciences
Water Properties Group

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Swallow

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: 2016-436	1			98	611	11.3	4.380								1					
Event: 92	2			99	510	11.0	4.355								2					
Station: BS31	3			100	528	11.0	4.344								3					
Event Date (Local): 27 June 2016	4			101A	3053	12.0	4.848								4	101B	3034	12.0	4.851	
Analysis Date (Local): 28 June 2016	5			102	612	12.9	5.413								5					
Analyst: KS	6			103	2098	13.5	5.663								6					
Stdization Date (Local): 29 June 2016	7			104	586	17.0	6.685								7					
KIO ₃ N: 0.0118189	8														8					
Standard Titer: 0.50528	9														9					
Blank Titer: 0.00036	10														10					
THIO N: 0.23411 0.23411	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					
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.

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Water Properties Group

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Swallow

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:	2016-436	1			116	708	11.3	4.416		1					
Event:	93	2			117	3192	11.1	4.376		2					
Station:	BS26	3			118	3040	11.1	4.372		3					
Event Date (Local):	27 June 2016	4			119	3013	12.8	5.229		4					
Analysis Date (Local):	27 June 2016	5			120A	3025	14.1	5.913		5	120B	557	14.1	5.920	
Analyst:	KS	6			121	3093	14.3	6.013		6	122B				
Stdization Date (Local):	27 June 2016	7			122	3038	15.1	6.311		7					
KIO ₃ N:	0.0118189	8								8					
Standard Titer:	0.50528	9								9					
Blank Titer:	0.00036	10								10					
THIO N:	0.23411	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)	Na/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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Swallow

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:	2016-436						1			123	3043	10.8	4.062		1					
Event:	94						2			124	3162	10.7	4.064		2					
Station:	BS24						3			125	3096	10.7	4.053		3					
Event Date (Local):	27 June 2016						4			126	3175	12.1	4.793		4					
Analysis Date (Local):	27 June 2016						5			127	370	13.1	5.312		5					
Analyst:	KS						6			128A	2097	17.0	6.529	→	6	128B	3023	17.0	6.535	
Stdization Date (Local):	27 June 2016						7			129	3161	18.2	6.600		7					
KIO ₃ N:	0.0118189						8								8					
Standard Titer:	0.50528						9								9					
Blank Titer:	0.00036						10								10					
THIO N:	0.23411						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
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Bender

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:	2016-486	1		130	569	10.1	2.997		1					
Event:	95	2		131	3132	10.0	2.914		2					
Station:	B535	3		132	3129	10.0	2.914		3					
Event Date (Local):	27 June 2016	4		133	2014	9.9	3.308		4					
Analysis Date (Local):	27 June 2016	5		134	3022	9.8	3.778	E.P. may be late. Please check.	5					
Analyst:	KS	6		135A	3028	10.7	4.030	→	6	135B	3133	10.8	4.034	
Stdization Date (Local):	27 June 2016	7		136A	3134	11.7	4.395	→	7	136B	3193	11.7	4.389	3193
KIO ₃ N:	0.0118189	8		137	3135	14.1	5.884	old curve. OT. OT was good.	8					
Standard Titer:	0.50528	9		138	3125	15.7	6.727		9					
Blank Titer:	0.00036	10		139	3126	17.5	6.852		10					
THIO N:	0.23411	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)	Na/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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Bender

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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: 2016-476		1			140	3144	9.7	3.143		1					
Event: 97		2			141	3147	9.7	2.969		2					
Station: B536		3			142	3138	9.6	2.957		3					
Event Date (Local): 27 June 2016		4			143	3150	9.5	3.410		4					
Analysis Date (Local): 27 June 2016		5			144	3142	9.5	3.798		5					
Analyst: KS		6			145	3036	9.9	3.983		6					
Stdization Date (Local): 27 June 2016		7			146	3016	11.0	4.259		7					
KIO ₃ N: 0.0118189		8			147	3039	13.1	5.822	→	8					
Standard Titer: 0.50528		9			148A	3143	16.3	7.062	→	9	148B	3148	16.4	7.067	
Blank Titer: 0.00036		10			149	3145	18.1	6.709		10					
THIO N: 0.23411		11								11					
Sample Flask Water Seal? <u>Yes</u>		12								12					
Reagent Change? <u>MnCl₂</u>		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.

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Institute of Ocean Sciences

Water Properties Group

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Bender

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: 2016-436	1			150	369	9.9	2.418								1					
Event: 100	2			151	3132	9.9	2.334								2					
Station: B539	3			152	3129	9.9	2.369								3					
Event Date (Local): 28 June 2016	4			153	2014	9.5	3.973								4					
Analysis Date (Local): 28 June 2016	5			154	3022	9.5	3.861								5					
Analyst: KS	6			155A	3628	10.5	4.150	→							6	155B	3133	10.6	4.150	
Stdization Date (Local): 27 June 2016	7			156	3134	11.5	4.536								7					
KIO ₃ N: 0.0118189	8			157	3193	13.6	5.961								8					
Standard Titer: 0.50528	9			158	3135	15.7	7.402								9					
Blank Titer: 0.00036	10			159	3025	17.5	6.835								10					
THIO N: 0.23411	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.

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Institute of Ocean Sciences
Water Properties Group

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Swallow

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:	2016-436						1			170	708	9.9	2.504		1						
Event:	101						2			171A	3192	9.9	2.397	→ Copepod in sample	2	171B	3040	10.0	2.397	may have entered incorrect draw T.	
Station:	BS37						3			172	3013	9.9	2.363		3						
Event Date (Local):	28 June 2016						4			173	3025	9.6	3.889	→ Copepod in sample	4						
Analysis Date (Local):	28 June 2016						5			174	557	9.7	3.932		5						
Analyst:	KS						6			175	3093	10.5	4.109		6						
Stdization Date (Local):	27 June 2016						7			176	3038	11.3	4.474		7						
KIO ₃ N:	0.0118189						8			177	575	15.2	6.858		8						
Standard Titer:	0.50528						9			178	611	17.8	6.543		9						
Blank Titer:	0.00036						10			179	510	17.8	6.537		10						
THIO N:	0.23411						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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Bender

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:	2016-426						1			160	3144	10.0	2.424		1					
Event:	1084						2			161	3147	9.9	2.319		2					
Station:	BS38						3			162	3138	9.9	2.288		3					
Event Date (Local):	28 June 2016						4			163	3150	9.5	3.929		4					
Analysis Date (Local):	28 June 2016						5			164	3142	9.5	3.983		5					
Analyst:	KS						6			165	3036	10.5	4.026		6					
Stdization Date (Local):	27 June 2016						7			166	3016	11.5	4.590		7					
KIO ₃ N:	0.0118189						8			167	3191	10.0	7.064		8					
Standard Titer:	0.50528						9			168A	3143	17.8	6.831	→	9	168B	3148	17.9	6.817	
Blank Titer:	0.00036						10			169	3145	18.7	6.500		10					
THIO N:	0.23411						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)	Na ₂ /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.