

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:	2016-08	1		1	3056	8.9	2.948	leaky vent	1					
Event:	02	2		2	1059	9.1	2.902	INTERESTING CURVE	2					
Station:	Haro 59	3		3	3021	8.8	2.711		3					
Event Date (Local):	02/17/0816	4		4	2086	9.0	2.781		4					
Analysis Date (Local):	19/08/16	5		5A	3104	9.2	2.835	→	5	5B	3029	9.3	2.834	
Analyst:	MLG	6		6	3088	9.8	3.138		6					
Stdization Date (Local):	19/08/16	7		7	3019	10.7	8.548	DRAW TEMP WENT IN AS 1037	7					
KIO ₃ N:	0.117841	8		8	2075	11.1	3.798		8					
Standard Titer:	0.5057112	9		9	639	11.3	3.915		9					
Blank Titer:	6.000559	10		10	2084	12.4	4.505		10					
THIO N:	0.23232	11		11	715	12.7	4.626		11					
Sample Flask Water Seal?	Yes	12		12	1053	12.7	4.684		12					
	No	13		13	1002	12.9	4.638		13					
Reagent Change?	MnCl ₂	14		14A	3035	12.8	4.976	→ AIR BUBBLE NO DH ₂ O	14	14B	2073	12.9	4.653	
(Please circle reagent that was changed prior to sampling and standardization)	NaI/NaOH	15		15	1647	13.1	4.630		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:	2016-08	1		20	142A	7.1	2.049	1429	1					leaky spigot
Event:	06	2		21	94	7.1	1.989		2					
Station:	JF2	3		22	1408	7.1	2.031		3					
Event Date (Local):	18 AUG 16	4		23	1460	7.3	2.398		4					
Analysis Date (Local):	19 AUG 16	5		24	1465A	7.8	2.999	1465 A	5	24	3158	7.7	2.568	3158 B
Analyst:	MC	6		25	2025	8.5	2.657		6					
Stdization Date (Local):	1536 19 AUG	7		26	2019	8.8	2.922		7					
KIO ₃ N:	0.117841	8		27	2017	9.5	3.692		8					
Standard Titer:	0.5057112	9		28	2016	10.1	4.204		9					
Blank Titer:	0.000559	10		29	2015	10.7	4.739		10					
THIO N:	0.23332	11		30	2007	11.5	5.696		11					
Sample Flask Water Seal?	Yes	12		31	2027	11.5	5.883		12					
	No	13		32	2032	11.6	5.907		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					
Shark		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

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Cruise Number:	2016-08						1			37	2040	7.1	1.269		1					
Event:	10						2			38	2043	8.3	2.892		2					
Station:	P1						3			39	2047	11.8	7.603	⇒	3	39	2051	11.8	7.603	
Event Date (Local):	18 08 06						4								4					
Analysis Date (Local):	19 08 16						5								5					
Analyst:	MG						6								6					
Stdization Date (Local):	19 08 16						7								7					
KIO ₃ N:	0.1178444						8								8					
Standard Titer:	0.5057112						9								9					
Blank Titer:	0.000559						10								10					
THIO N:	0.23332						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.

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Cruise Number: 2016-08	1			41	3033	7.1	1.533								1					
Event: 12	2			42	3032	7.1	1.542	→							2	42	3020	7.1	1.539	
Station: P2	3			43	3018	8.1	2.701								3					
Event Date (Local): 18 08 16	4			44	3009	8.1	2.694								4					
Analysis Date (Local): 19 08 16	5			45	3008	8.3	2.528								5					
Analyst: MG	6			46	3042	9.0	2.990								6					
Stdization Date (Local): 19 08 16	7			47	3037	11.0	5.650								7					
KIO ₃ N: 0.117841	8			48	3116	12.9	8.855	→							8	48	3117	12.9		
Standard Titer: 0.5057112	9														9					
Blank Titer: 0.000559	10														10					
THIO N: 0.23332	11														11					
Sample Flask ☒ Yes	12														12					
Water Seal? ☐ No	13														13					
Reagent Change? MnCl ₂	14														14					
(Please circle reagent that was changed prior to sampling and standardization)	15														15					
NOTE NEW BATCH IN LOG BOOK	16														16					
	17														17					
	18														18					
	19														19					
	20														20					
	21														21					
	22														22					
	23														23					
	24														24					

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

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Cruise Number:	2016-08	1		103	3079	4.6	0.454		1					
Event:	23	2		104	456	4.6	0.386		2					
Station:	P4	3		105A	471	4.7	1.487	→ OVERTITRATE NOT SURE WHAT?	3	105B	1406	4.9	0.375	
Event Date (Local):	18 AUG 2016	4		106	3005	5.2	0.256		4					
Analysis Date (Local):	19 08 16	5		107	196	5.6	0.291		5					
Analyst:	MLG	6		108	712	6.0	0.490		6					
Stdization Date (Local):	17 08 16	7		109	3073	6.5	1.135		7					
KIO ₃ N:	0.117841	8		110	3078	7.1	1.820		8					
Standard Titer:	0.505 7/12	9		110	3050	7.5	2.210		9					
Blank Titer:	0.00559	10		112	1055	8.0	2.833		10					
THIO N:	0.23332	11		113	396	8.3	3.001		11					
Sample Flask	Yes	12		114	2089	8.5	3.155		12					
Water Seal?	No	13		115	439	8.7	3.827		13					
Reagent Change?	MnCl ₂	14		116	2065	8.9	3.727		14					
(Please circle reagent that was changed prior to sampling and standardization)	NaI/NaOH	15		117A	2060	9.5	5.269	3 DUPS	15					
NOTE NEW BATCH IN LOG BOOK	H ₂ SO ₄	16		117B	2081	9.7	5.271		16					
	KIO ₃	17		118	505	10.3	6.279		17					
	THIO	18		119	2008	12.9	6.345		18					
Notes:	THIO TEMP 25.4	19		120	2055	13.0	6.786		19					
	Dino (aka	20		121	3137	13.3		00PS	20					
	pleisiosaur)	21							21					
		22							22					
		23							23					
		24							24					

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Cruise Number: 2016-08		1		194	708	4.2	1.423		1					
Event: 30		2		195	3192	4.4	0.715		2					
Station: P8		3		196	3040	4.7	0.440		3					
Event Date (Local): 19.08.16		4		197	3013	5.5	0.259		4					
Analysis Date (Local): 19.08.16		5		198	3025	5.9	0.241		5					
Analyst: MG		6		199A	557	6.2	0.417	⇒	6	199B	3093	6.3	0.431	
Stdization Date (Local): 19.08.16		7		200	3038	6.6	1.419		7					
KIO ₃ N: 0.117841		8		201	575	7.1	2.076		8					
Standard Titer: 0.5057112		9		202	611	7.4	2.436		9					
Blank Titer: 0.000559		10		203	510	7.8	2.671		10					
THIO N: 0.23332		11		204	528	8.1	2.452		11					
Sample Flask Water Seal? ☒ Yes ☐ No		12		205	3058	8.8	2.830	? thermo probs 8.8?	12					
Reagent Change? MnCl ₂		13		206A	3034	9.7	2.972	⇒ ? 9.7?	13	206B	612	9.7	2.978	? 9.7?
(Please circle reagent that was changed prior to sampling and standardization)		14		207	2098	10.1	4.209		14					
NOTE NEW BATCH IN LOG BOOK		15		208	586	10.5	5.206		15					
		16		209	2099	10.9	5.251	10.9	16					
		17		210	3043	12.5	5.487	12.5	17					
		18		211	3162	15.7	5.875		18					
Notes:		19		212	3096	16.3	5.846		19					
Sparrow (swallow) TERN		20		213	3175	16.5	5.881		20					
		21		214A	570	16.5	5.888	⇒	21	214B	2097	16.5	5.878	
		22		215	3023	16.5	5.874		22					
		23		216	3161	16.5	15.39	OVER POURED THIO - HOPE END CAN BE FOUND	23					
		24		217	3083	16.5	5.885		24					

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Sharkie

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Cruise Number:	2016-08	1		305	1429	6.0	2.276		1					
Event:	39	2		306	94	5.7	2.234		2					
Station:	P12	3		307	1408	5.5	2.223		3					
Event Date (Local):	20 AUG 16	4		308	1465	5.6	1.813	⇒ A 5.6 C SMALL BUBBLE	4	308	1465	6.3	2.146	B 3117 (new #) 6.3 C
Analysis Date (Local):	23 AUG 16	5		309	3159	5.9	1.318		5					
Analyst:	MG	6		310	2025	6.1	2.857		6					
Stdization Date (Local):	23 AUG 16	7		311	2019	6.3	0.393		7					
KIO ₃ N:	0.0117841	8		312	2017	6.5	0.296		8					
Standard Titer:		9		313	2016	6.8	0.302	⇒ A 6.8 C	9	313	2015	6.9	0.287	B 6.9 C
Blank Titer:		10		314	2007	7.2	0.593	7.2	10					
THIO N:		11		315	2027	7.7	1.464		11					
Sample Flask Water Seal?	Yes	12		316	2032	8.3	2.321		12					
	No	13		317	2040	8.7	3.674		13					
Reagent Change?	MnCl ₂	14		318	2043	9.2	2.933		14					
(Please circle reagent that was changed prior to sampling and standardization)	NaI/NaOH	15		319	2047	9.6	3.819	⇒ A 9.6 C	15	319	2051	9.8	3.820	B 9.8 C
NOTE NEW BATCH IN LOG BOOK	H ₂ SO ₄	16		320	3033	10.0	4.109		16					
	KIO ₃	17		321	3032	10.5	4.457	FLASKS WERE MIXED UP	17					
	THIO	18		322	3020	10.8	5.554		18					
Notes:		19		323	3018	11.3	6.314		19					
Pig WHITE		20		324	3009	13.2	6.876		20					
AKA JAWS		21		325	3008	14.4	5.728		21					
		22		326	3042	17.7	5.792		22					
		23		327	3037	17.8	5.753	⇒ A	23	327	3116	17.9	5.741	B 17.9 C
		24		328					24					

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Octopus

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Cruise Number:	2016-08	1		412	3056	6.6	2.708		1					
Event:	54	2		413	1059	5.9	2.636		2					
Station:	P16	3		414A	3021	5.7	2.640	⇒	3	414B	2086	6.1	2.645	
Event Date (Local):	22 Aug 2016	4		415	3104	5.9	2.395		4					
Analysis Date (Local):	23 Aug 2016	5		416	2084	6.3	1.844		5					
Analyst:	SV	6		417	3108	6.1	1.214		6					
Stdization Date (Local):	23 Aug 2016	7		418	3088	6.5	0.452		7					
KIO ₃ N:	0.0117841	8		419	3019	6.4	0.296		8					
Standard Titer:	1.5089767	9		420	2075	6.9	0.276		9					
Blank Titer:	1.0003476	10		421A	639	7.0	0.334	⇒	10	421B	715	7.0	0.327	
THIO N:	1.231605	11		422	1053	6.7	0.588		11					
Sample Flask Water Seal?	Yes No	12		423	1002	7.0	1.467		12					
Reagent Change?	MnCl ₂	13		424	3035	7.7	2.315		13					
(Please circle reagent that was changed prior to sampling and standardization)	NaI/NaOH	14		425	2073	8.2	X	→ would not titrate, forgot to add	14	acid?				
NOTE NEW BATCH IN LOG BOOK	H ₂ SO ₄	15		426	647	8.8	3.125		15					
	KIO ₃	16		427	1054	9.0	3.142		16					
	THIO	17		428	2095	9.3	3.532		17					
Notes:		18		429A	638	9.7	3.837	⇒	18	429B	620	9.7	3.843	
Octo		19		430	631	10.0	4.997		19					
		20		431	622	10.2	5.783		20					
		21		432	657	12.9	6.487		21					
		22		433	3007	16.9	5.760		22					
		23		434	690	17.2	5.753		23					
		24		435A	425	17.1	5.762		24	435B	2085	17.1	5.760	

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Cruise Number: 2016-08							1									1					
Event: 58							2									2					
Station: P17							3			477A	708	5.0	0.291	→	3	477B	3192	5.2	0.294		
Event Date (Local): 22 Aug 2016							4								4						
Analysis Date (Local): 23 Aug 2016							5								5						
Analyst: SN							6								6						
Stdization Date (Local): 23 Aug 2016							7								7						
KIO ₃ N: 0117841							8								8						
Standard Titer: 5089767							9			483A	3040	8.7	6.359	→	9	485B	3013	8.7	6.361	Redrow B. 3175 8.8°C	
Blank Titer: 0003476							10								10						
THIO N: 1231605							11								11						
Sample Flask Yes							12								12						
Water Seal? No							13			487A	5025	5.1	0.287	→	13	487B	557	5.3	0.285		
Reagent Change? MnCl ₂							14			488A	3093	8.6	6.359	→	14	488B	3038	9.0	6.365		
(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			489A	575	5.4	0.303	→	19	489B	611	5.6	0.291		
bird / swallow / tern							20			490A	510	5.4	0.288	→	20	490B	528	5.6	0.292		
							21			491A	3053	8.7	6.338	→	21	491B	3034	8.9	6.347		
							22			492A	612	8.8	6.338	→	22	492B	2098	9.0	6.346		
							23								23						
							24								24						

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Shark

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Cruise Number:	2016-08	1		521	1429	5.9	2.974		1					
Event:	65	2		522	94	5.6	2.846		2					
Station:	P20	3		523	1408	5.9	2.863		3					
Event Date (Local):	23-08-16	4		524	1465	5.6	2.485		4					
Analysis Date (Local):	28-08-16	5		525	1460	5.7	2.604	⇒	5	525	3159	5.8	1.891	
Analyst:	MG	6		526	2025	5.8	1.217		6					
Stdization Date (Local):	28-08-16	7		527	2019	6.1	0.497		7					
KIO ₃ N:	0.0122698	8		528	2017	6.2	0.376		8					
Standard Titer:	0.5231502	9		529	2016	6.4	0.418		9					
Blank Titer:	0.000467	10		530	2015	6.7	0.446		10					
THIO N:	0.234904	11		531	2007	7.0	0.677		11					
Sample Flask Water Seal?	Yes	12		532	2027	7.3	1.487	⇒	12	532	2032	7.4	1.480	
	No	13		533	2043	7.7	2.362		13					
Reagent Change?	MnCl ₂	14		534	2040	8.1	3.079		14					
(Please circle reagent that was changed prior to sampling and standardization)	NaI/NaOH	15		535	2047	8.8	4.019		15					
NOTE NEW BATCH IN LOG BOOK	H ₂ SO ₄	16		536	2051	9.1	4.495		16					
	KIO ₃	17		537	3032	9.3	5.011		17					
	THIO	18		538	3033	9.1	6.270	⇒	18	538	3020	9.3	6.271	
Notes:		19		539	3018	9.3	6.621		19					
		20		540	3009	9.7	6.548		20					
		21		541	3008	11.2	6.745		21					
		22		542	3042	15.7	6.065		22					
		23		543	3037	17.5	5.831		23					
		24		544	3116	17.7	5.971	⇒	24	544	3117	17.8	5.827	

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:	2016-08	1		705	3056	5.8	3.213		1					
Event:	58	2		706	1059	4.9	3.180		2					
Station:	P26	3		707A	3021	5.1	2.929	⇒	3	707B	2086	5.0	2.932	
Event Date (Local):	26.08.16	4		708	3104	4.9	2.531		4					
Analysis Date (Local):	28.08.16	5		709	2084	3.8	1.902		5					
Analyst:	MG	6		710	3108	4.0	1.213		6					
Stdization Date (Local):	28.08.16	7		711	3088	4.2	0.524		7					
KIO ₃ N:	0.0122698	8		712	3019	4.5	0.443		8					
Standard Titer:	0.5231502	9		713	2075	5.0	0.480		9					
Blank Titer:	0.000467	10		714A	639	5.5	0.519	⇒	10	714B	1053	5.7	0.516	
THIO N:	0.234904	11		715	715	5.8	0.698	COINCIDENT?	11					
Sample Flask Water Seal?	Yes	12		716	1002	6.1	1.349		12					
	No	13		717	3035	6.3	1.952		13					
Reagent Change?	MnCl ₂	14		718	2073	6.5	2.507		14					
(Please circle reagent that was changed prior to sampling and standardization)	NaI/NaOH	15		719	647	6.8	3.029		15					
NOTE NEW BATCH IN LOG BOOK	H ₂ SO ₄	16		720A	1054	7.1	3.616	⇒	16	720B	2095	7.3	3.615	
	KIO ₃	17		721	638	7.3	4.107		17					
	THIO	18		722	620	7.5	4.620		18					
Notes:		19		723	631	8.1	6.134		19					
		20		724	622	8.3	6.799		20					
		21		725A	657	9.1	6.976	⇒	21	725B	3007	9.3	6.980	
		22		726	690	15.7	—	WOULD NOT END POINT WOULD NOT OVERTURN	22					
		23		727	425	16.8	5.912		23					
		24		728	2085	7.5	5.823		24					Spig. He open

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.

ASSUME 17.5

Octopus

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:	2016-08	1		790	3056	5.9	0.728		1					
Event:	103	2		791	1059	6.0	0.404		2					
Station:	P3	3		792	3021	5.9	0.399		3					
Event Date (Local):	29 Aug 2016	4		793	2086	6.2	0.236		4					
Analysis Date (Local):	30 Aug 16	5		794	3104	6.5	0.237		5					
Analyst:	MG	6		795	2084	6.7	0.435		6					
Stdization Date (Local):	30 Aug 16	7		796	3108	7.1	1.375		7					
KIO ₃ N:	0.0122698	8		797	3088	7.6	2.168		8					
Standard Titer:	0.5259424	9		798	3019	8.1	2.780		9					
Blank Titer:	0.0005905	10		799	2075	8.5	3.062		10					
THIO N:	0.233805	11		800	639	8.6	3.263		11					
Sample Flask	Yes	12		801	1053	8.9	3.904		12					
Water Seal?	No	13		802	715	11.5	4.639		13					
Reagent Change?	MnCl ₂	14		803	1002	9.9	5.211		14					
(Please circle reagent that was changed prior to sampling and standardization)	NaI/NaOH	15		804	3035	11.2	6.413	NO LABEL	15	798 3081	9.3	6.412		Redraw B
NOTE NEW BATCH IN LOG BOOK	H ₂ SO ₄	16		805	2073	13.4	6.050		16					
	KIO ₃	17		806	647	16.7	6.277		17					
	THIO	18		807	1054	17.1	5.818		18					
Notes:	OCTOPUS	19	X	808	2095	17.2		⇒ SAMPLES FROM WRONG NISKIN	19	808 638	17.1			WRONG NISKIN
		20		808	620	17.2	5.808	Redraw	20	808	631	17.3	5.764	Redraw
		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.

LAST PART OF BOX OUT OF ORDER

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 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: 2016-08		1		809	708	6.1	0.531	vent is leaking	1					
Event: 112		2		810	3192	5.9	0.394		2					
Station: P4- Return		3		811A	3040	6.1	0.242	=7	3	811B	3175	6.2	0.239	
Event Date (Local): 29 AUG 16		4		812	3025	6.6	0.287		4					
Analysis Date (Local): 30 AUG 16		5		813	557	6.8	0.566		5					
Analyst: MG		6		814	3093	7.3	1.137		6					
Stdization Date (Local): 30 AUG 16		7		815	3038	8.3	2.294		7					
KIO ₃ N: 0.0122698		8		816	575	8.6	2.737		8					
Standard Titer: 0.5259424		9		817A	611	9.4	3.667	=7	9	817B	510	9.4	3.664	
Blank Titer: 0.0005905		10		818	528	10.3	5.713		10					
THIO N: 0.233805		11		819	3053	11.6	6.279		11					
Sample Flask Water Seal? Yes		12		820	3034	13.1	6.934		12					
	No	13		821A	612	6.7	0.252	=7	13	821B	2098	6.6	0.256	
Reagent Change? MnCl ₂		14		822A	586	9.2	3.795	=7	14	822B	2099	9.5	3.796	
(Please circle reagent that was changed prior to sampling and standardization)	NaI/NaOH	15		823	3043	13.0	6.910		15					
	H ₂ SO ₄	16							16					
NOTE NEW BATCH IN LOG BOOK	KIO ₃	17							17					
	THIO	18							18					
Notes:		19		825A	3162	6.7	0.260	=7	19	825B	3096	6.7	0.256	
Swallow AKA BIRD		20		826A	3013	6.6	0.257	=7	20	826B	570	6.7	0.241	
		21		827A	2097	9.5	3.797	=7	21	827B	3023	9.7	3.803	
		22		828A	3161	9.7	3.791	=7	22	828B	3083	9.9	3.795	
		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.

LOOPS (Robot) THANKS!!

Dissolved Oxygen Analysis Log Sheet

Institute of Ocean Sciences
Water Properties Group

Last Updated: July 2015



A

B

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:	2016-08	1		1	569	16.7	5.963	P8 OxyLab LOOP A ⇒	1		3132	16.9	5.963	P8 OxyLab LOOP B
Event:		2		2	3129	15.9	5.959	P8 OxyTR LOOP A ⇒	2		2014	15.9	5.954	P8 OxyTR LOOP B
Station:	LOOPS	3		3	3022	16.8	5.822	P12 Oxy Lab Loop A ⇒	3		3028	16.9	5.822	P12 Oxy Lab Loop B
Event Date (Local):		4		4	3134	16.3	5.815	P12 Oxy TR Loop A ⇒	4		3133	16.3	5.817	P12 Oxy TR Loop B
Analysis Date (Local):	28 08 16	5		5	3193	16.6	5.854	P14 Oxy Lab Loop A ⇒	5		3135	16.6	5.827	P14 Oxy Lab Loop B
Analyst:	MG	6		6	3125	16.7	5.860	P14 Oxy TR Loop A ⇒	6		3126	16.7	5.850	P14 Oxy TR Loop B
Stdization Date (Local):	28 08 16	7		7	3144	17.0	5.842	P14 Oxy Niskin A ⇒	7		3147	17.0	5.846	P14 Oxy Niskin B
KIO ₃ N:	0.0122698	8		8	3150	16.6	5.915	P14 ^{loop 46} Oxy Lab Underway A	8		3138	16.6	5.896	P14 ^{loop 46} Oxy Lab Underway B
Standard Titer:	0.5231502	9		9	3142	16.3	5.869	P16 Oxy Lab Loop A ⇒	9	3036	3142	16.3	5.863	P16 Oxy Lab Loop B
Blank Titer:	0.000467	10		10	3016	16.4	5.866	P16 Oxy TR P16 O2 TR Loop A ⇒	10	3191	3016	16.4	5.858	P16 O2 TR Loop B
THIO N:	0.234964	11		11	3143	16.8	5.921	P18 OxyLab A (loop) ⇒	11	3	3148	16.8	5.918	P18 OxyLab loop B
Sample Flask Water Seal?	Yes	12		12	3145	16.7	5.917	P18 Oxy TR A (loop) ⇒	12		3146	16.7	5.923	P18 Oxy TR loop B
	No	13		13	3209	16.6	5.877	P20 Oxy Lab A (loop) ⇒	13		320	16.6	5.871	P20 Oxy Lab Loop B
Reagent Change?	MnCl ₂	14		14	3194	16.7	5.869	P20 Oxy TR loop A ⇒	14		3198	16.7	5.868	P20 Oxy TR loop B
(Please circle reagent that was changed prior to sampling and standardization)	NaI/NaOH	15		15	3190	17.6	5.836	P22 Oxy Lab A - loop ⇒	15		3000	17.6	5.843	P22 Oxy Lab loop B
NOTE NEW BATCH IN LOG BOOK	H ₂ SO ₄	16						P22 Oxy TR loop A ⇒	16					P22 Oxy TR loop B
	KIO ₃	17							17					
	THIO	18							18					
Notes:		19							19					
		20							20					
		21							21					
		22							22					
		23							23					
		24							24					

↓
15:02
218/16
49'07.8
123'43.95

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.

Robert's Loops.

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:	2016-08	1		1	3079	17.4	5.801	P22 Oxy TR A →	1	1	456	17.5	5.861	P22 Oxy TR B
Event:	001	2		631	471	18.5	5.788	P22 Oxy Niskin Sm A	2	2	1406	18.4	5.785	P22 Oxy Niskin Sm B
Station:	Loops	3		3	3005	16.2	5.886	P24 Oxy lab LOOP A ⇒	3	3	196	16.2	5.881	P24 Oxy lab LOOP B
Event Date (Local):	VARIOUS	4		4	712	16.7	5.880	P24 Oxy TR LOOP A ⇒	4	4	3073	16.7	5.871	P24 Oxy TR LOOP B
Analysis Date (Local):	30 AUG 16	5		644	3078	17.4	5.882	P24 Oxy Sm Niskin A ⇒	5	5	3050	17.4	5.886	P24 Oxy Sm Niskin B
Analyst:	MC	6		6	1055	16.0	5.944	P26 Oxy Lab Loop A ⇒	6	6	396	16.0	5.945	P26 Oxy Lab Loop B
Stdization Date (Local):	30 AUG 16	7		7	2089	16.2	5.948	P26 Oxy Tr Loop A	7	7	489	16.4	5.947	P26 Oxy Tr Loop B
KIO ₃ N:	0.0122698	8		8	2065	13.1	6.846	P4 Return Oxy lab A ⇒	8	8	2060	13.2	6.923	P4 Return Oxy Lab B
Standard Titer:	0.5259424	9		9	3081	13.0	6.808	P4 Return Oxy TR B ⇒	9	9	505	13.0	6.799	P4 Return Oxy TR B
Blank Titer:	0.0005905	10							10					
THIO N:	0.233805	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.