

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: 2016-06		1		1	1050	9.4	3.941		1					
Event: 2		2		2	1058	9.4	4.075		2					
Station: Haro 59		3		3	3114	9.5	4.214		3					
Event Date (Local): 6/6/16		4		4	3061	9.6	4.256		4					
Analysis Date (Local): 8/6/16		5		5A	3108	9.6	4.289	→	5	5B	3100	9.6	4.289	
Analyst: H.N.		6		6	3110	9.7	4.315		6					
Stdization Date (Local): 8/6/16		7		7	3101	9.7	4.328		7					
KIO ₃ N: 0.0121005		8		8	2087	9.6	4.271		8					
Standard Titer: 0.51765		9		9	2063	9.7	4.284		9					
Blank Titer: 0.00059		10		10	458	9.7	4.292		10					
THIO N: 0.234217		11		11	1416	9.9	4.489		11					
Sample Flask Water Seal? Yes		12		12	3098	10.1	4.554		12					
	No	13		13	2092	10.3	4.666		13					
Reagent Change? MnCl ₂		14		14A	1442	10.6	4.892	→ 7	14	14B	3103	10.6	4.896	
(Please circle reagent that was changed prior to sampling and standardization)	Nal/NaOH	15		15	3094	10.9	5.091		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:	2016-06	1			16	2090	7.2	2.174		1					
Event:	5	2			17	462	7.2	2.151		2					
Station:	JF2	3			18	1417	7.2	2.152		3					
Event Date (Local):	6/6/16	4			19	371	7.5	2.423		4					
Analysis Date (Local):	8/6/16	5			20A	2049	7.8	2.693	-7	5	208	2091	7.8	2.690	
Analyst:	H.M.	6			21	3095	8.3	3.145		6					
Stdization Date (Local):	8/6/16	7			22	2088	8.5	3.482		7					
KIO ₃ N:	0.6121005	8			23	3107	9.0	3.890		8					
Standard Titer:	0.51765	9			24	3127	9.6	4.440		9					
Blank Titer:	0.00059	10			25	3100	9.8	4.577		10					
THIO N:	0.234217	11			26	3089	9.8	4.655		11					
Sample Flask Water Seal?	Yes	12			27	708	9.8	4.677		12					
	No	13			28	3192	9.8	4.689		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:	2016-06	1		29	3040	7.6	2.184		1	29	3043	7.6	2.182	
Event:	9	2		30	557	9.1	4.280		2					
Station:	P1	3		31	3025	11.1	6.694		3					
Event Date (Local):	6/6/16	4							4					
Analysis Date (Local):	8/6/16	5							5					
Analyst:	H.M.	6							6					
Stdization Date (Local):	8/6/16	7							7					
KIO ₃ N:	0.0121005	8							8					
Standard Titer:	0.51765	9							9					
Blank Titer:	0.00059	10							10					
THIO N:	0.234217	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:	2016-06	1			46A	569	7.7	2.592		1	46B	3132	7.7	2.634	
Event:	12	2			47	3129	7.9	2.952		2					
Station:	P2	3			48	2014	8.3	3.654		3					
Event Date (Local):	6 June 2016	4			49	3022	8.3	3.661		4					
Analysis Date (Local):	8/6/16	5			50	3028	8.5	4.009		5					
Analyst:	H.N.	6			51	3134	10.0	5.373		6					
Stdization Date (Local):	8/6/16	7			52	3133	13.1	6.290		7					
KIO ₃ N:	0.0121005	8			53	3193	13.7	6.299		8					
Standard Titer:	0.51765	9								9					
Blank Titer:	0.00059	10								10					
THIO N:	0.234217	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:	2016-06	1		57	3135	3.8	0.558		1					
Event:	14	2		58	3125	3.8	0.462		2					
Station:	P4	3		59A	3126	3.8	0.449	→	3	59B	3144	3.9	0.469	
Event Date (Local):		4		60	3147	4.5	0.297		4					
Analysis Date (Local):		5		61	3150	4.9	0.250		5					
Analyst:		6		62	3138	5.5	0.433		6					
Stdization Date (Local):		7		63	3142	6.0	1.120		7					
KIO ₃ N:		8		64	3036	6.4	1.620		8					
Standard Titer:		9		65	3016	6.8	2.013		9					
Blank Titer:		10		66	3191	7.4	2.619		10					
THIO N:		11		67	3143	7.7	2.992		11					
Sample Flask	Yes	12		68	3148	7.9	3.506		12					
Water Seal?	No	13		69	3145	8.1	3.451		13					
Reagent Change?	MnCl ₂	14		70	3146	8.5	4.207		14					
(Please circle reagent that was changed prior to sampling and standardization)	NaI/NaOH	15		71A	3200	9.0	5.587	→	15	71B	3201	9.0	5.589	
NOTE NEW BATCH IN LOG BOOK	H ₂ SO ₄	16		72	3194	9.4	6.102		16					
	KIO ₃	17		73	3198	10.3	5.892		17					
	THIO	18		74	3190	12.6	6.335		18					
Notes:	Bender	19		75	3137				19					
		20		75	3000	12.6	6.349		20					couldn't open flask (swapped w/ bird)
		21							21					
		22							22					
		23							23					
		24							24					

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Cruise Number:	2016-06	1			136	3056	13.1	6.711		1					
Event:	25	2			137	1059	3.8	0.657		2					
Station:	PS	3			138	3021	4.0	0.377		3					
Event Date (Local):	8/6/16	4			139	2086	4.7	0.238		4					CHECK ALL END POINTS
Analysis Date (Local):	12/6/16	5			140	3104	5.2	0.278		5					
Analyst:	H.M.	6			141A	2095	5.6	0.461	→	6	141B	3035	5.7	0.450	SOME SUSPECT (OVERSHOT)
Stdization Date (Local):	11/6/16	7			142	3088	6.3	1.311		7					
KIO ₃ N:	0.0121005	8			143	3019	6.9	2.157		8					
Standard Titer:	0.5175751	9			144	2075	7.4	2.409		9					STEPPING TITRATION CURVE UNAVOIDABLE
Blank Titer:	0.0007622	10			145	2085	7.9	3.035		10					
THIO N:	0.234184	11			146	2084	8.2	3.375		11					
Sample Flask Water Seal?	Yes	12			147	3029	8.4	3.285		12					READ LOG BOOK
Reagent Change?	MnCl ₂	13			148A	1053	8.6	4.201	→	13	148B	1002	8.7	4.195	
(Please circle reagent that was changed prior to sampling and standardization)	NaI/NaOH	14			149	1054	9.0	5.418		14					
NOTE NEW BATCH IN LOG BOOK	H ₂ SO ₄	15			150	639	9.5	6.585		15					
	KIO ₃	16			151	647	9.7	6.605		16					
	THIO	17			152	2073	10.1	6.594		17					
Notes:		18			153	715	11.3	6.588		18					
		19			154	638	12.1	6.432		19					
		20			155	620	12.3	6.366		20					
		21			156A	631	12.8	6.160	→	21	156B	622	12.8	6.160	
		22			157	657	12.9	6.173		22					
		23			158	3007	12.8	6.187		23					
		24			159	690	12.8	6.184		24					

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Cruise Number:	2016-06	1		186	1050	2.6	2.297		1					
Event:	34	2		187	658	2.5	2.246		2					
Station:	P12	3		188	3114	2.3	2.251		3					
Event Date (Local):		4		189A	3061	2.5	1.867		4	189B	3108	2.6	1.862	
Analysis Date (Local):	11/6/16	5		190	3106	2.8	1.286		5					
Analyst:	H.M.	6		191	3110	3.1	0.568		6					
Stdization Date (Local):	11/6/16	7		192	3101	3.6	0.320		7					
KIO ₃ N:	0.0121005	8		193	2087	4.0	0.266		8					
Standard Titer:	0.5175751	9		194A	2063	4.5	0.343		9	194B	458	4.7	0.331	
Blank Titer:	0.0007622	10		195	3098	4.9	0.733		10					
THIO N:	0.234184	11		196	2092	5.5	2.259		11					
Sample Flask Water Seal?	Yes	12		197	1442	6.1	2.782		12					
	No	13		198A	3103	6.4	3.140		13	198B	3094	6.4	3.142	
Reagent Change?	MnCl ₂	14		199	2090	7.1	3.891		14					
(Please circle reagent that was changed prior to sampling and standardization)	NaI/NaOH	15		200	462	7.5	4.367		15					
NOTE NEW BATCH IN LOG BOOK	H ₂ SO ₄	16		201	1417	7.7	4.681		16					
	KIO ₃	17		202	371	8.0	5.021		17					
	THIO	18		203	2049	8.5	5.844		18					
Notes:		19		204A	2091	8.8	6.417		19	204B	3095	8.9	6.428	
		20		205	2088	9.6	6.678		20					
		21		206	3107	11.3	6.576		21					Spigot leaking
		22		207	3127	11.7	6.475		22					
		23		208	3100	11.9	6.470		23					
		24							24					

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Cruise Number:	2016-06	1		284	708	2.4	2.728		1					
Event:	53	2		285	3192	2.2	2.678		2					
Station:	P16	3		286	3040	2.4	2.674	7	3	286	3013	2.4	2.688	
Event Date (Local):	10/6/16	4		287	557	2.3	2.357		4					
Analysis Date (Local):	13/6/16	5		288	3025	2.6	1.853		5					CHECK MLI - E.P.
Analyst:	H.M.11	6		289	3093	2.6	1.211		6					SOME S. P.G.
Stdization Date (Local):	11/6/16	7		290	3038	3.2	0.427		7					SEE P.G.
KIO ₃ N:	0.0121005	8		291	575	3.4	0.280		8					(LOW SHOT)
Standard Titer:	0.5175751	9		292	611	3.9	0.296		9					
Blank Titer:	0.0007622	10		293	510	4.3	0.424	7	10	293	528	4.5	0.412	
THIO N:	0.234184	11		294	3053	4.9	0.774		11					STEPPING TITRATION CURVE
Sample Flask Water Seal?	Yes	12		295	3034	5.2	1.641		12					UNAVAILABLE
	No	13		296	612	5.8	2.640		13					REAL LOG BOOK
Reagent Change?	MnCl ₂	14		297	2098	6.3	3.190		14					
(Please circle reagent that was changed prior to sampling and standardization)	NaI/NaOH	15		298	586	6.7	3.433		15					
NOTE NEW BATCH IN LOG BOOK	H ₂ SO ₄	16		299	2099	7.0	3.586	7	16	299	3043	7.0	3.579	
	KIO ₃	17		300	3162	7.3	3.996		17					
	THIO	18		301	3175	7.7	4.790		18					
Notes:		19		302	3096	7.7	6.349		19					
		20		303	570	7.9	6.554		20					
		21		304	2097	8.6	6.692		21					SPIGOT LEAKY
		22		305	3023	10.1	6.716	7	22	305	3161	10.1	6.725	
		23		306	3083	10.9	6.634		23					
		24		307	745	10.9	6.630		24					

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Cruise Number: 2016-06		1			355	1050	2.3	2.990		1					Vent leaky
Event: 68		2			356	658	2.1	2.848		2					
Station: P20		3			357A	3114	2.1	2.843	E7	3	357B	3061	2.3	2.840	
Event Date (Local):		4			358	3108	2.3	2.439		4					
Analysis Date (Local): 15/6/16		5			359	3106	2.5	1.848		5					
Analyst: H.7		6			360	3110	2.6	1.144		6					
Stdization Date (Local): 15/6/16		7			361	3101	3.5	0.421		7					
KIO ₃ N: 0.0121005		8			362	2087	3.5	0.285		8					
Standard Titer: 0.5171696		9			363	2063	3.9	0.309		9					
Blank Titer: 6.000181		10			364A	458	4.4	0.409	E7	10	364B	3098	4.5	0.407	
THIO N: 0.234092		11			365	2092	5.0	0.657		11					
Sample Flask Water Seal? Yes		12			366	1442	5.5	1.654		12					
	No	13			367	3103	6.0	2.462		13					
Reagent Change? MnCl ₂		14			368	3094	6.7	3.259		14					
(Please circle reagent that was changed prior to sampling and standardization)	NaI/NaOH	15			369	2090	7.2	3.736		15					
NOTE NEW BATCH IN LOG BOOK	H ₂ SO ₄	16			370A	462	7.4	4.294	→	16	370B	1417	7.4	4.291	
	KIO ₃	17			371	371	7.5	5.340		17					
	THIO	18			372	2049	7.5	6.524		18					
Notes:		19			373	2091	7.8	6.645		19					
Sperm Whale		20			374	3095	8.3	6.679		20					
		21		X	375	2088	9.3	6.666		21					
		22			376A	3107	9.8	6.757	→ Top Cap not sealed	22	376B	3127	9.8	6.767	
		23			377	3100	10.3	6.697		23					
		24			378	1416	10.3	6.673		24					

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Cruise Number:	2016-06	1		451	708	2.1	3.202		1					
Event:	82	2		452	3192	2.0	3.137		2					
Station:	P26	3		453	3040	2.0	2.917		3					
Event Date (Local):	13/6/16	4		454	3013	2.1	2.508		4					
Analysis Date (Local):	15/6/16	5		455A	557	2.3	1.920	⇒	5	455B	3025	2.5	1.908	
Analyst:	H.M.	6		456	3093	3.1	1.227		6					
Stdization Date (Local):	15/6/16	7		457	3038	3.1	0.519		7					
KIO ₃ N:	0.0121005	8		458	575	3.1	0.440		8					
Standard Titer:	0.5171696	9		459	611	3.5	0.495		9					
Blank Titer:	0.000181	10		460	510	3.9	0.518		10					
THIO N:	0.234692	11		461	528	4.3	0.601		11					
Sample Flask Water Seal?	Yes	12		462	3053	4.7	1.272		12					
	No	13		463	3034	4.8	1.721		13					
Reagent Change?	MnCl ₂	14		464A	612	5.2	2.201	⇒	14	464B	2098	5.2	2.188	
(Please circle reagent that was changed prior to sampling and standardization)	NaI/NaOH	15		465	586	5.5	2.799		15					
NOTE NEW BATCH IN LOG BOOK	H ₂ SO ₄	16		466	2099	5.7	3.330		16					
	KIO ₃	17		467	3043	5.9	4.125		17					
	THIO	18		468	3162	6.0	4.587		18					
Notes:		19		469	3175	6.5	6.612		19					
		20		470A	3096	6.9	6.891	⇒	20	470B	570	6.9	6.897	
		21		471	2097	7.5	6.956		21					
		22		472	3023	9.1	6.996		22					
		23		473	3161	9.1	7.003		23					
		24		474A	3083	9.1	7.001	⇒	24	474B	745	9.1	7.007	

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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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: 2016-06		1			548	3056	3.8	0.548		1					
Event: 106		2			549	1059	4.2	0.337		2					
Station: P4		3			550A	3021	4.7	0.306		3	550B	2086	4.9	0.256	
Event Date (Local): 14/6/16		4			551	3104	5.3	0.495		4					
Analysis Date (Local): 19/6/16		5			552	2095	5.7	1.377		5					
Analyst: H. A.		6			553	3035	6.3	2.214		6					
Stdization Date (Local): 15/6/16		7			554	3088	7.0	2.691		7					
KIO ₃ N: 0.0121005		8			555	3019	7.5	3.032		8					
Standard Titer: 0.5171646		9			556A	2075	8.5	4.190		9	556B	2085	8.7	4.211	
Blank Titer: 0.000101		10			557	2084	9.0	5.237		10					
THIO N: 0.234092		11			558	3029	9.5	5.706		11					
Sample Flask Water Seal? Yes		12			559	1053	11.4	6.593		12					
No		13			560	1002	13.1	6.489		13					
Reagent Change? MnCl ₂		14			561	1054	13.4	6.330		14					
(Please circle reagent that was changed prior to sampling and standardization)		15				639	14.1	6.325	Oxy loop lab	15		647	14.1	6.318	Oxy loop lab
NOTE NEW BATCH IN LOG BOOK		16				715	14.1	6.299	TR	16		2073	14.2	6.290	TR
		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

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Loop 02

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:	2516-01	1		P18	569	11.5	6.678	loop lab	1	P18	3132	11.4	7.25	loop lab
Event:	Loop PS (99)	2		P18	3129	11.5	6.677	loop TR	2	P18	2014	11.5	6.691	loop TR. looked a little
Station:	Loop PS (200)	3		P18	3022	11.1	6.681	5m Niskin	3	P18	3028	11.0	6.682	5m Niskin.
Event Date (Local):		4		P20	3134	10.9	6.834	loop lab	4	P20	3133	10.9	6.720	loop lab
Analysis Date (Local):	16/6/16	5		P20	3193	11.0	6.705	loop TR	5	P20	3135	11.0	6.700	loop TR
Analyst:	H.M.	6		P24	3125	9.9	6.883	loop lab	6	P24	3126	9.9	6.788	loop lab
Stdization Date (Local):	15/6/16	7		P24	3144	9.9	6.817	loop TR	7	P24	3147	9.9	6.815	loop TR
KIO ₃ N:	0.0121005	8		P24	3138	9.5	6.757	5m Nisk.	8	P24	3150	9.5	6.762	5m Nisk.
Standard Titer:	0.5171696	9		P26	3142	9.5	7.077	Oxy Lab Loop	9					
Blank Titer:	0.000181	10		P26	3036	9.5	7.055	Oxy Lab Loop	10					
THIO N:	0.23909	11		P26	3016	9.6	7.044	Oxy TR Loop	11					
Sample Flask Water Seal?	Yes	12		P26	3191	9.6	7.045	Oxy TR Loop	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:	Robot box.	19							19					
	(Robot. optode calibration)	20							20					
		21							21					
		22							22					
		23							23					
		24							24					

CAST 99
NISK 1-12
PUP

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.

OXY LOOPS

Dissolved Oxygen Analysis Log Sheet

Institute of Ocean Sciences

Water Properties Group

Sword fish Cove

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: 2016-06						1			P1	3049	11.5	7.057	OXY LAB	1					sampled when Nisk @ surf
Event: — OXY LOOPS						2			P1	3057	11.6	6.873	OXY LAB	2					
Station: 199						3			P1	552	11.4	7.289	OXY TR	3					went down ~100 m
Event Date (Local): 98						4			P1	3067	11.4	7.34	OXY TR	4					
Analysis Date (Local): 16/6/16						5			P2	3074	13.9	6.525	OXY LAB	5					sample when Nisk @ 10-5m
Analyst: H.M.						6			P2	3119	13.9	6.458	OXY LAB	6					
Stdization Date (Local): 15/6/16						7			P2	3076	13.8	6.473	OXY TR	7					*T from optode Temp sensor
KIO ₃ N: 0.0121005						8			P2	2020	13.8	6.486	OXY TR	8					sample ~ 3:55 pm (~150m)
Standard Titer: 0.5171696						9			P4	3052	13.3	6.474	OXY lab	9					Nisk ~10-5 m
Blank Titer: 0.000181						10			P4	3062	13.3	6.495	OXY lab	10					
THIO N: 0.234692						11			P4	3055	13.3	6.533	OXY TR	11					went down around 150m
Sample Flask Water Seal? Yes						12			P4	3065	13.3	6.516	OXY TR	12					
No !!						13			P8	3075	13.6	6.516	OXY lab	13					~10-5 m
Reagent Change? MnCl ₂						14			P8	3074	13.6	6.274	OXY lab	14					
(Please circle reagent that was changed prior to sampling and standardization)						15			P8	3066	13.7	6.199	OXY TR	15					~100-25 m
NOTE NEW BATCH IN LOG BOOK						16			P8	3070	13.7	6.303	OXY TR	16					
						17			P12	3059	12.5	6.491	OXY LAB	17					
						18			P12	1409	12.5	6.574	OXY LAB	18					
Notes: ROBERT SAT HE SLOW						19			P12	3041	12.6	6.616	OXY TR	19					
TWICE & WATERED						20			P12	3072	12.6	6.811	OXY TR	20					
NOT ENOUGH - ALL WATER						21			P14	3054	12.8	6.443	OXY loop/lab	21					~5 m
EVAPORATED - NO WATER						22			P14	3044	12.8	6.605	OXY loop/lab	22					
ON ALL FLASKS						23			P14	3051	12.9	6.372	OXY TR	23					~150-10m.
						24			P14	3046	12.9	6.370	OXY TR	24					

Dissolved Oxygen Analysis Log Sheet

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~~***~~ All samples from niskins ~~***~~ 6-10

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:	2016-06	6		413-1	3056	2.5		b-6 A	1					
Event:		6		413-2	1059	2.6		b-6 B	2					
Station:	P 23	7		413-3	3021	2.5		7A	3					
Event Date (Local):		7		413-4	2086	2.6		7B	4					
Analysis Date (Local):		8		413-5	3104	2.5		8A	5					
Analyst:		8		413-6	2095	2.6		8B	6					
Stdization Date (Local):		9		413-7	3035	2.6		9A	7					
KIO ₃ N:		9		413-8	3088	2.7		9B	8					
Standard Titer:		10		413-9	3019	2.6		10A	9					
Blank Titer:		10		413-10	2075	2.8		10B	10					
THIO N:		11		413-11	2085	2.7		11A	11					
Sample Flask Water Seal?	Yes	11		413-12	2884	2.9		11B	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					

Octopus

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.