

Dissolved Oxygen Analysis Log Sheet

Last Updated: December 2011

Institute of Ocean Sciences
Water Properties Group

Cruise and Analysis Information	Nisk ID	Nisk Int	Sample ID	Flask 1	Depth (m)	Draw T 1 (°C)	OXY 1 (mL/L)	Comments	Nisk ID	Flask 2	Draw T 2 (°C)	OXY 2 (mL/L)	Comments
Cruise Number: 2013-18	1	☐	8	3070	11	7.1	1.124			3076	7.1	1.066	
Event: 002 3	2	☒	10	1019	5	12.3	6.769			620	12.3	6.761	
Station: P1	3	☐	10						3				
Event Date (Local): 22/8/13	4	☐							4				
Analysis Date (Local): 26/8/13	5	☐							5				
Analyst: H.M.	6	☐							6				
Stdization Date (Local): 25/8/13	7	☐							7				
KIO ₃ N: 0.0100246	8	☐							8				
Standard Titer: 0.716	9	☐							9				
Blank Titer: 0.0027	10	☐							10				
THIO N: 0.14098	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				

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Cruise Number: 2013-18	1	☐	25	3029	105	7.3	1.324		1	639	7.3	1.325	
Event: 003	2	☐	26	637	100	7.3	1.300		2				
Station: P2	3	☐	27	196	75	7.5	1.830		3				
Event Date (Local): 22/0/13	4	☐	28	2040	75	7.6	1.793		4				
Analysis Date (Local): 26/8/13	5	☐	29	3121	50	7.9	2.244		5				
Analyst: H.M.	6	☐	30	569	25	9.1	3.470		6				
Stdization Date (Local): 25/8/13	7	☐	31	1050	10	11.2	5.796		7				
KIO ₃ N: 0.100246	8	☐	32	1054	5	12.9	7.360		8				
Standard Titer: 0.716	9	☐							9				
Blank Titer: 0.0027	10	☐							10				
THIO N: 0.14092	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				
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	Sample ID	Flask 1	Depth (m)	Draw T 1 (°C)	OXY 1 (mL/L)	Comments	Nisk ID	Flask 2	Draw T 2 (°C)	OXY 2 (mL/L)	Comments
Cruise Number:	2013-18	1	☐	79	1094	1318	4.4	0.114	bit of a leak NISK #1	1				END PT FAILURE? NO BUBBLES
Event:	009	2	☐	80	468	1250	4.6	0.408		2				
Station:	P4	3	☐	81A	2033	1250	4.9	0.373		3	B712	5.5	0.399	END PT FAILURE? /
Event Date (Local):	22/8/13	4	☐	82	2090	1000	5.5	0.232		4				
Analysis Date (Local):	26/8/13	5	☐	83	510	800	6.0	0.209		5				
Analyst:	H.M.	6	☐	84	3038	600	6.4	0.400		6				BAD E.P. /
Stdization Date (Local):	25/8/13	7	☐	85	2049	400	8.1	1.027	Bubblly?	7				
KIO ₃ N:	0.0100 246	8	☐	86	611	300	7.4	1.547		8				
Standard Titer:	0.716	9	☐	87	1053	250	8.1	1.889		9				
Blank Titer:	0.0027	10	☐	88A	3209	200	8.8	2.474		10	B715	9.5	2.477	Bubblly
THIO N:	0.14092	11	☐	89	3111	175	8.9	2.959		11				
Sample Flask Water Seal?	Yes	12	☐	90	2014	150	8.8	3.214		12				
	No	13	☐	91	621	125	9.0	3.639		13				
Reagent Change?	MnCl ₂ ✓	14	☐	92	3142	100	8.8	4.916	small bubble	14				
(Please circle reagent that was changed prior to sampling and standardization)	NaI/NaOH ✓	15	☐	93A	2086	75	9.1	6.263	BAD E.P. /	15	B631		6.298	WIERD E.P. /
NOTE NEW BATCH IN LOG BOOK	H ₂ SO ₄ ✓	16	☐	94	2065	50	9.7	6.518		16				
	KIO ₃ ✓	17	☐	95	3009	25	15.0	6.273		17				
	THIO ✓	18	☐	96	2055	10	17.7	5.830		18				
Notes:	SILVER	19	☐	97	3047	5	18.1	5.760		19				PROBLEMS w/ DISPENSER #2
	Lots of bubbles	20	☐							20				
	coming from chem #2	21	☐							21				RE-EDUCATED ON METHODS
		22	☐							22				- ALL FINE ON NEXT CAST
		23	☐							23				
		24	☐							24				

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Institute of Ocean Sciences
Water Properties Group

BROWN

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Cruise and Analysis Information		Nisk ID	Nisk Int	Sample ID	Flask 1	Depth (m)	Draw T 1 (°C)	OXY 1 (mL/L)	Comments	Nisk ID	Flask 2	Draw T 2 (°C)	OXY 2 (mL/L)	Comments
Cruise Number:	2013-18	1	☐	144 ^A	3151	2000	3.8	1.398	✓ BAD CURVE	1	B3207	3.9	1.382	BAD CURVE ✓
Event:	23	2	☐	145	3187	1500	4.1	0.653		2				
Station:	P8	3	☐	146	3193	1250	4.5	0.384	BAD CURVE ✓	3				
Event Date (Local):	24/8/13	4	☐	147	3196	1000	5.3	0.279		4				
Analysis Date (Local):	26/8/13	5	☐	148	3189	800	5.7	0.211		5				
Analyst:	H.M	6	☐	149	3191	600	6.1	0.387		6				
Stdization Date (Local):	25/8/13	7	☐	150	3188	400	6.7	1.127		7				
KIO ₃ N:	0.0100246	8	☐	151	3184	300	7.1	2.093		8				
Standard Titer:	0.716	9	☐	152 ^A	3198	250	7.5	2.710		9	B3182	7.7	2.602	
Blank Titer:	0.0027	10	☐	153	3177	200	8.0	2.956		10				
THIO N:	0.14092	11	☐	154	3178	175	8.3	3.204		11				
Sample Flask Water Seal?	Yes No *	12	☐	155	3166	150	8.4	3.480		12				
Reagent Change?	MnCl ₂ ✓	13	☐	156	3160	125	8.4	4.158		13				
(Please circle reagent that was changed prior to sampling and standardization)	NaI/NaOH ✓	14	☐	157	3171	100	8.5	4.805		14				
NOTE NEW BATCH IN LOG BOOK	H ₂ SO ₄ ✓	15	☐	158	3157	75	9.1	6.511		15				
	KIO ₃ ✓	16	☐	159	3200	50	11.6	6.175		16				
	THIO ✓	17	☐	160 ^A	3201	25	15.4	6.308		17	B3206	15.5	6.275	
Notes:		18	☐	161	3204	10	17.7	5.786		18				
		19	☐	162	3184	5	17.8	5.775		19				
		20	☐							20				
		21	☐							21				
		22	☐							22				
		23	☐							23				
		24	☐							24				

FLASHES NOT SHAKEN
TWICE AND WATER CAPPED
WRONG CASE
(P12)

Dissolved Oxygen Analysis Log Sheet

SILVER/BLE

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Water Properties Group

Cruise and Analysis Information		Nisk ID	Nisk Int	Sample ID	Flask 1	Depth (m)	Draw T 1 (°C)	OXY 1 (mL/L)	Comments	Nisk ID	Flask 2	Draw T 2 (°C)	OXY 2 (mL/L)	Comments
Cruise Number:	2013-18	1	☐	203	1177	3276	3.1	2.324		1				
Event:	31	2	☐	204	1127	3000	3.2	2.284		2				
Station:	P12	3	☐	205 ^A	1192	3000	3.3	2.284		3	^B 1188	3.4	1.957	BUBBLE ON LENS
Event Date (Local):	25/8/13	4	☐	206	1180	2500	3.5	1.846	3000 - in FILE - SHOULD BE 2500	4				
Analysis Date (Local):	26/8/13	5	☐	207	1150	2000	3.5	1.299		5				
Analyst:	H.M.	6	☐	208	1175	1500	4.2	0.605		6				
Stdization Date (Local):	25/8/13	7	☐	209	1189	1250	5.1	0.332		7				
KIO ₃ N:	0.0100246	8	☐	210 ^A	1174	1000	5.4	0.355		8	^B 1178	5.7	0.258	???
Standard Titer:	0.716	9	☐	211	1134	800	6.0	0.285		9				
Blank Titer:	0.0027	10	☐	212	1146	600	6.5	0.603		10				
THIO N:	0.14092	11	☐	213	1141	400	6.6	1.393		11				
Sample Flask Water Seal?	Yes (No) *	12	☐	214	1182	300	7.0	2.437	BAD C.P. /	12				
		13	☐	215	1124	250	7.5	2.854		13				
Reagent Change?	MnCl ₂ ✓	14	☐	216	1130	200	7.9	3.764		14				
(Please circle reagent that was changed prior to sampling and standardization)	NaI/NaOH ✓	15	☐	217	1126	175	8.3	3.769		15				
NOTE NEW BATCH IN LOG BOOK	H ₂ SO ₄ ✓	16	☐	218 ^A	1119	150	8.2	4.758		16	^B 1114	8.4	4.736	
	KIO ₃ ✓	17	☐	219	1106	125	8.3	5.640		17				
	THIO ✓	18	☐	220	1105	100	8.5	6.261		18				
Notes:		19	☐	221	1158	75	8.7	6.746		19				
FLASKS NOT DOUBLE		20	☐	222 ^A	1144	50	10.0	6.794		20	^B 1136	10.2	6.786	
SHAKEN OR WATER SEALED		21	☐	223	1128	25	15.5	6.576		21				
#8 DUP = ?? MABGY DUP OF #9		22	☐	224	1123	10	17.1	5.921		22				
		23	☐	225	1110	5	17.3	5.902		23				
		24	☐							24				

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Cruise Number: 2013-18	1	☐	1446	293	3682	4.1	2.747	look at spigot	1				
Event: 42	2	☐	1434	294	3500	3.9	2.665	BAD E.P. A	2				
Station: P16	3	☐	1442	295	3500	4.4	2.669		3				
Event Date (Local): 26 / 08 / 13	4	☐	1445	296	3000	4.0	2.421	BAD E.P. - A	4				
Analysis Date (Local): AUG 29/13	5	☐	1440	297	2500	4.3	1.915		5				
Analyst: H.M.	6	☐	1413	298A	2000	4.4	1.233		6	1407	5.1	1.237	298B
Stdization Date (Local): AUG 29/13	7	☐	1483	299	1500	5.4	0.539		7				
KIO ₃ N: 0.0010246	8	☐	1427	300	1250	5.4	0.328		8				
Standard Titer: 0.716	9	☐	1432	301	1000	5.7	0.273		9				
Blank Titer: 0.0027	10	☐	1422	302	800	6.1	0.335		10				
THIO N: 0.14092	11	☐	1417	303	600	6.4	0.450		11				
Sample Flask Water Seal? Yes	12	☐	1443	304	400	6.9	1.265		12				
No	13	☐	1411	305A	300	7.2	2.098		13	1402	7.5	2.084	305B
Reagent Change? MnCl ₂ +	14	☐	1428	306	250	7.5	2.642		14				
(Please circle reagent that was changed prior to sampling and standardization)	15	☐	1429	307	200	8.3	3.055		15				
NaI/NaOH +	16	☐	1430	308A	175	8.3	3.782		16	1409	8.5	3.785	
H ₂ SO ₄ +	17	☐	1406	309	150	8.3	4.925		17				
NOTE NEW BATCH IN LOG BOOK	18	☐	1426	310	125	8.4	5.719		18				
THIO +	19	☐	1424	311	100	8.3	6.771		19				
Notes:	20	☐	1416	312A	75	8.7	6.790		20	1421	8.9	6.793	312B
	21	☐	1414	313	50	9.9	6.531		21				
	22	☐	1408	314	25	15.7	6.198		22				
	23	☐	1404	315	10	16.7	5.909		23				
	24	☐	1401	316	5	16.6	5.898		24				

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Cruise Number: 2013-18	1	☐	409	1177	4024	3.2°	2.999		1				
Event: 59	2	☐	410	1127	3500	3.2°	2.831		2				
Station: P 20	3	☐	411	1192	2600	3.8°	2.823		3	1108	3.9°	2.821	
Event Date (Local): 28/8/13	4	☐	412	1180	3000	3.8°	2.457		4				
Analysis Date (Local): 29/8/13	5	☐	413	1150	2500	4.0°	1.942		5				
Analyst: H.M.	6	☐	414	1175	2000	4.0°	1.210		6				
Stdization Date (Local): 29/8/13	7	☐	415	1189	1500	4.7°	0.515		7				
KIO ₃ N: 0.0010246	8	☐	416	1174	1250	4.8°	0.313		8				
Standard Titer: 0.716	9	☐	417	1178	1000	5.3°	0.345		9				
Blank Titer: 0.0027	10	☐	418	1134	800	5.6°	0.441		10	1146	5.7°	0.440	
THIO N: 0.14092	11	☐	419	1141	600	6.0°	0.679		11				
Sample Flask Water Seal? ☒ Yes	12	☐	420	1182	400	6.2°	1.457		12				
No	13	☐	421	1124	300	6.3°	2.249		13				
Reagent Change? MnCl ₂ ☒	14	☐	422	1130	250	6.7°	2.919		14				
(Please circle reagent that was changed prior to sampling and standardization)	15	☐	423	1126	200	7.4°	3.670	7.4° - redraw	15	1119	7.3°	3.672	1126 - redraw (had air bubble)
NOTE NEW BATCH IN LOG BOOK	16	☐	424	1114	175	7.7°	4.244	White to black change of monitors for °C	16				THERMOMETER CHANGE
	17	☐	425	1106	150	7.2°C	5.435	BUBBLE on Lens - Loosened - check E.P.	17				
	18	☐	426	1138	125	7.4°C	6.705		18				
Notes:	19	☐	427	1158	100	7.7°C	6.838		19				
	20	☐	428	1144	75	7.8°C	7.016		20				
	21	☐	429	1136	50	8.9°C	7.182	SPIGOT DRIPPING	21				
	22	☐	430	1128	25	12.4°C	6.967		22				
	23	☐	431	1123	10	15.9°C	5.833		23	1110	6.1°C	5.839	
	24	☐	432	1142	5	16.0°C	5.840		24				

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Cruise Number:	2013-18	1	☐	596	1177	4318	3.2	3.264	BAD E.P FAILURE	1				BASIC TURN
Event:	89	2	☐	591 ^A	1127	4000	2.7	3.643	BUBBLE ON LENS	2	B1192	2.8	3.051	BUBBLES FORMING
Station:	P26	3	☐	592	1188	3500	2.6	2.966	TOP VALVE totally open	3		STILL TOO WARM		GASSING
Event Date (Local):	31.08.13	4	☐	593	1180	3000	2.7	2.585	EP FAILURE	4				
Analysis Date (Local):	3/9/13-4/9/13	5	☐	594	1150	2500	2.9	1.942		5				
Analyst:	L.H.	6	☐	595	1175	2000	3.1	1.266		6				
Stdization Date (Local):	29/8/13	7	☐	596	1189	1500	3.5	0.597		7				
KIO ₃ N:	0.0100246	8	☐	597 ^A	1174	1250	3.7	0.522	spigot is open, but valve closed	8	B1178	4.0	0.540	WRONG FLASK ^{SHOULD BE} 1178
Standard Titer:	0.716	9	☐	598	1134	1000	4.1	0.505		9				
Blank Titer:	0.0027	10	☐	599	1146	800	4.5	0.528		10				
THIO N:	0.14092	11	☐	600	1141	600	4.9	0.661	(1 ST PERFECT E.P.)	11				
Sample Flask Water Seal?	Yes	12	☐	601	1182	400	5.1	0.800		12				
	No	13	☐	602	1124	300	5.1	1.410		13				
Reagent Change?	MnCl ₂ ✓	14	☐	603 ^A	1130	250	5.1	1.821		14	B1126	5.3	1.023	
(Please circle reagent that was changed prior to sampling and standardization)	NaI/NaOH ✗	15	☐	604	1119	200	5.2	2.671		15				
NOTE NEW BATCH IN LOG BOOK	H ₂ SO ₄ ✓	16	☐	605	1114	175	5.2	3.405		16				
	KIO ₃ ✓	17	☐	606	1106	150	5.6	4.631		17				
	THIO ✗	18	☐	607 ^A	1138	125	5.9	6.627		18	B1158	6.1	6.409	BUBBLE ON LENS (TRIED TO DISLODGE)
Notes:	READ LOG BOOK	19	☐	608	1144	100	6.2	6.998		19				
	REGARDING 3/9/13	20	☐	609	1136	75	6.5	6.984		20				
	STANDARDS	21	☐	610	1128	50	8.6	7.069	bottom spigot drips	21				
		22	☐	611	1123	25	14.1	6.010		22				
		23	☐	612	1110	10	14.9	5.933	slight drip (bottom)	23				
		24	☐	613	1142	5	14.9	5.941		24				

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GREY

Cruise and Analysis Information	Nisk ID	Nisk Int	Sample ID	Flask 1	Depth (m)	Draw T 1 (°C)	OXY 1 (mL/L)	Comments	Nisk ID	Flask 2	Draw T 2 (°C)	OXY 2 (mL/L)	Comments
Cruise Number: 2013-18	1	☐	647	1094	1318	4.8	0.454	closed BUT LEAKING	1				change o-ring
Event: 105	2	☐	648	468	1250	4.5	0.402	top valve is open	2				
Station: P4	3	☐	649A	2033	1000	5.1	0.212		3	812	5.2	0.209	
Event Date (Local): 4/9/13	4	☐	650	2090	800	5.5	0.226		4				
Analysis Date (Local): 4/9/13	5	☐	651	510	600	5.9	0.495	leaking (change o-ring)	5				
Analyst: H.M.	6	☐	652	715	400	6.5	1.029		6				
Stdization Date (Local): 29/8/13	7	☐	653	2049	300	6.7	2.164		7				
KIO ₃ N: 0.0100246	8	☐	654	611	250	7.0	2.669	leaking spigot (change o-ring)	8				
Standard Titer: 0.716	9	☐	655	1053	250	7.1	2.626		9				
Blank Titer: 0.0027	10	☐	656A	3209	200	7.5	3.032		10	3038	7.6	3.031	
THIO N: 0.14092	11	☐	657	3111	100	7.8	5.576		11				
Sample Flask Water Seal? Yes	12	☐	658	2014	50	9.2	6.593		12				
No	13	☐	659	621	25	14.8	6.261		13				
Reagent Change? MnCl ₂ X	14	☐	660	3142	10 ³⁰	12.6	6.221		14				
(Please circle reagent that was changed prior to sampling and standardization)	15	☐	661	2086	10 ³⁰	12.6	6.229		15				
NOTE NEW BATCH IN LOG BOOK	16	☐	662	631	5	17.5	5.677		16				
KIO ₃ Y	17	☐							17				
THIO Y	18	☐							18				
Notes:	19	☐							19				
	20	☐							20				
	21	☐							21				
	22	☐							22				
	23	☐							23				
	24	☐							24				

13:52
48° 38.90
126° 39.88

