Dissolved Oxygen Analysis Log Sheet

Last Updated: December 2011

Institute of Ocean Sciences
Water Properties Group

Cruise and Analysis Information		Nisk	Sample ID	Flask 1	Depth (m)	Draw T 1 (°C)	OXY 1 (mL/L)	Comments	Nisk	Flask 2	Draw T 2 (°C)	OXY 2 (mL/L)	Comments
Cruise Number: 2014-03		1	001	612	95.0	7.9	3.336		1	3124	7.9	3.309	
Event: 001		2	002	2087	95.0	7.9	3.232		2				
Station: S1-V1P.		3							3				
Event Time (~~UTC~~ LOCAL): 20:41		4							4				
Event Date (~~UTC~~): 3-5-2014		5							5				
Analysis Date: 03-12-2014		6							6				
Analyst: CB		7							7				
Stdization Date: 03-12-2014		8							8				
KIO_3 N: 0.0098302		9							9				
Standard Titer: 0.06990		10							10				
Blank Titer: 0.0037		11							11				
THIO N: 0.14179		12							12				
Sample Flask Water Seal?	Yes	13							13				
	No	14							14				
Reagent Change?	$MnCl_2$	15							15				
(Please circle reagent that was changed prior to sampling and standardization)	NaI/NaOH	16							16				
	H_2SO_4	17							17				
NOTE NEW BATCH IN LOG BOOK	KIO_3	18							18				
	THIO	19							19				
Notes:		20							20				
		21							21				
		22							22				
		23							23				
		24							24				

IDENTIFICATION									
YEAR		CAST	WIRE ANGLE		CRUISE		CONSEC.		
1	2	3	4	5	6	7	8	9	10

1 IDENT. CODE				2 LATITUDE (N=+)					3 LONGITUDE (W=+)					
CNTRY.		INST.		DEG.°		MIN.		1/10	DEG.°		MIN.		1/10	
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15

5 DATE						6 TIME			7 DEPTH TO BOTTOM				8 MAX. SAMP. DEPTH (M)		9 No. DEPTH. OBS'D.	
YEAR		MONTH		DAY		HOURS G.M.T.		1/10								
19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35

21 UNASSIGNED						22 CRUISE REF. NUMBER			23 CONSEC. NUMBER			24 CARD TYPE	VESSEL	
												1	ENTERED BY	CHECKED BY
68	69	70	71	72	73	74	75	76	77	78	79	80		

SALINITY BOTTLE N°	OXYGEN BOTTLE N°		WIRE LENGTH (m)				LEFT THERMOMETER														MIDDLE THERMOMETER												RIGHT THERMOMETER												OXYGEN ml./l.				SALINITY ‰					CARD TYPE		NOTES
							P/U	SERIAL					AUX. RDG.				MAIN RDG.				P/U	SERIAL					AUX. RDG.				MAIN RDG.				P/U	SERIAL					AUX. RDG.				MAIN RDG.							
			11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	51	52	53	54	55	56	57	58	59	60	61	62	63	64	65	66	67	68	79	80	
		1																																																							STATION:
		2																																																							CRUISE:
		3																																																							DATE:
		4																																																							DEPTH:
		5																																																							TIME ZONE:
		6																																																							CAST:
		7																																																							WIRE ∠:
		8																																																							START:
		9																																																							DOWN:
		10																																																							MESS:
		11																																																							UP:
		12																																																							IN:
		13																																																							SECCHI:
		14																																																							COLOUR:
		15																																																							B.T.:
		16																																																						
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Cruise and Analysis Information ONC	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: 2014-03	1	☐☐	3	3061	211	8.9	0	22:12 PST.	1				
Event: 002	2	☐☐	4	2089	211	8.8	0	done right after (1)	2				
Station: S1-BPS	3	☐☐	5	1002	211	8.8	0	fixed @ 2300	3				
Event Date (Local): 3-5-2014	4	☐☐	6	94	211	8.9	0	2400	4				
Analysis Date (Local): 03-12-2014	5	☐☐	7	1059	211	9.2	0	fixed @ 6:01 PST 3/6/2014	5				
Analyst: SM	6	☐☐							6				
Stdization Date (Local): 03-12-2014	7	☐☐							7				
KIO_3 N: 0.0098302	8	☐☐							8				
Standard Titer: 0.06990	9	☐☐							9				
Blank Titer: 0.0037	10	☐☐							10				
THIO N: 0.14179	11	☐☐							11				
Sample Flask Water Seal? Yes	12	☐☐							12				
Sample Flask 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_2SO_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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depth = 5m -> recorded on label

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:	2014-03	1	☐☐	8	2095	~~25~~	??	6.643	- Unsure if ~~max depth = sample~~, draw T not recorded. ~~depth~~	1				
Event:	3	2	☐☐							2				
Station:	QA1	3	☐☐							3				
Event Date (Local):	March 7, 2014	4	☐☐							4				
Analysis Date (Local):	March 12, 2014	5	☐☐							5				
Analyst:		6	☐☐							6				
Stdization Date (Local):	March 12, 2014	7	☐☐							7				
KIO_3 N:	0.0098302	8	☐☐							8				
Standard Titer:	0.6990	9	☐☐							9				
Blank Titer:	0.0037	10	☐☐							10				
THIO N:	0.14179	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) NOTE NEW BATCH IN LOG BOOK	NaI/NaOH	15	☐☐							15				
	H_2SO_4	16	☐☐							16				
	KIO_3	17	☐☐							17				
	THIO	18	☐☐							18				
Notes: Sample was missing log sheet.		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: 2014-03	1	☐☐							1				
Event: 6	2	☐☐	9	1055	5	7.1	6.511		2	2091	7.1	6.518	
Station: QA4	3	☐☐							3				
Event Date (Local): 7 Mar 2014	4	☐☐	10	3016	surf	7.0	6.804	Depth is wrong in software	4				
Analysis Date (Local): 12 Mar 2014	5	☐☐							5				
Analyst: Alice Bain	6	☐☐							6				
Stdization Date (Local): 12 Mar 2014	7	☐☐							7				
KIO_3 N: 0.0098302	8	☐☐							8				
Standard Titer: 0.06990	9	☐☐							9				
Blank Titer: 0.0087	10	☐☐							10				
THIO N: 0.14179	11	☐☐							11				
Sample Flask Water Seal? (Yes)	12	☐☐							12				
Sample Flask 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_2SO_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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depth = 5m → recorded on sample label

Cruise and Analysis Information	
Cruise Number:	2014-03
Event:	9
Station:	QA7
Event Date (Local):	March 7, 2014
Analysis Date (Local):	March 12, 2014
Analyst:	KS
Stdization Date (Local):	March 12, 2014
KIO_3 N:	0.0098302
Standard Titer:	0.6990
Blank Titer:	0.0037
THIO N:	0.14179
Sample Flask Water Seal?	Yes (circled) / No
Reagent Change? (Please circle reagent that was changed prior to sampling and standardization) NOTE NEW BATCH IN LOG BOOK	$MnCl_2$, NaI/NaOH, H_2SO_4, KIO_3, THIO

Notes: This sample set was also missing an oxy log sheet. No draw T's recorded

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
1	☐☐	11	650	300	?	6.095	~~300m = max depth → ? = sample depth?~~	1	3116	?	6.101	
2	☐☐	12	2047	0	?	6.341		2				
3	☐☐							3				
4	☐☐							4				
5	☐☐							5				
6	☐☐							6				
7	☐☐							7				
8	☐☐							8				
9	☐☐							9				
10	☐☐							10				
11	☐☐							11				
12	☐☐							12				
13	☐☐							13				
14	☐☐							14				
15	☐☐							15				
16	☐☐							16				
17	☐☐							17				
18	☐☐							18				
19	☐☐							19				
20	☐☐							20				
21	☐☐							21				
22	☐☐							22				
23	☐☐							23				
24	☐☐							24				

gen Analysis Log Sheet

Last Updated

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ormation	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
2014-03	1	☐☐							1				
HB	2	☐☐	13	1035	5	7.2	6.529	Titration started before probe in sample	2	1015	7.2	6.515	
7-03-14	3	☐☐							3				
	4	☐☐	14	2060	Surf	7.1	6.546		4				
12 Mar 2014	5	☐☐							5				
Alice Bui	6	☐☐							6				
12 Mar 2014	7	☐☐							7				
0.0098302	8	☐☐							8				
0.06990	9	☐☐							9				
0.0037	10	☐☐							10				
0.14179	11	☐☐							11				
Yes Water seal	12	☐☐							12				
No	13	☐☐							13				
$MnCl_2$	14	☐☐							14				
NaI/NaOH	15	☐☐							15				
H_2SO_4	16	☐☐							16				
KIO_3	17	☐☐							17				
THIO	18	☐☐							18				
	19	☐☐							19				
	20	☐☐							20				
	21	☐☐							21				
	22	☐☐							22				
	23	☐☐							23				
	24	☐☐							24				

GE01 0225 99 14.970
123 44.620

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Last Updated

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ormation	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
2013-03	1		15	2000	300	8.3	3.416		1	2082	8.3	3.563	Bottle neck had some residue
CNODE	2		16	570	300	8.2	3.436		2	2080	8.4	3.436	
8 MAR 14	3								3				
	4								4				
12 Mar 2014	5								5				
CB	6								6				
12 Mar 2014	7								7				
0.0098302	8								8				
0.06990	9								9				
0.0037	10								10				
0.14179	11								11				
(Yes)	12								12				
No	13								13				
$MnCl_2$	14								14				
NaI/NaOH	15								15				
H_2SO_4	16								16				
KIO_3	17								17				
THIO	18								18				
	19								19				
	20								20				
	21								21				
	22								22				
	23								23				
	24								24				

gen Analysis Log Sheet

Last Updated

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ormation	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
2013-03	1		17	3109	175	8.3	3.818	unsure of depth - 175m is an	1	2094	8.3	3.812	
ENODE	2		18	3151	175	8.3	3.870	assumption.	2	3189	8.3	3.867	small bubble under
8MAR14	3								3				stopper
?	4								4				
Event 12	5								5				
03-12-2014	6								6				
KS	7								7				
03-12-2014	8								8				
0.0098302	9								9				
0.6990	10								10				
0.0037	11								11				
(es)	12								12				
No	13								13				
$MnCl_2$	14								14				
NaI/NaOH	15								15				
H_2SO_4	16								16				
KIO_3	17								17				
THIO	18								18				
THIO N:	19								19				
0.14179	20								20				
	21								21				
	22								22				
	23								23				
	24								24				