Dissolved Oxygen Analysis Log Sheet

Last Updated: March 2014

Institute of Ocean Sciences
Water Properties Group

Cruise and Analysis Information	
Cruise Number:	2014 - 22
Event:	1
Station:	LB01
Event Date (Local):	5 SEPT 2014
Analysis Date (Local):	06 Sept 14
Analyst:	Tamara
Stdization Date (Local):	06 Sept 14
KIO_3 N:	0.0098571
Standard Titer:	0.7017
Blank Titer:	0.0027
THIO N:	0.1411S
Sample Flask Water Seal?	(Yes) / 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:	GREEN 48 40.43 124 59.51

Nisk ID	Nisk Int V	Nisk Int S	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	✓	✓	1	2087	25	12.1	4.090		1				
2	✓	✓	2	1059	10	12.8	6.400		2				
3	✓	✓	3	2089	5	13.0	6.785		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				

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

Last Updated: March 2014

Institute of Ocean Sciences
Water Properties Group

Cruise and Analysis Information	
Cruise Number:	2014 - 22
Event:	2
Station:	LB02
Event Date (Local):	5 SEPT 2014
Analysis Date (Local):	06Sept 14
Analyst:	Tamara
Stdization Date (Local):	06Sept 14
KIO_3 N:	0.0098571
Standard Titer:	0.7017
Blank Titer:	0.0027
THIO N:	0.14115
Sample Flask Water Seal?	(Yes) / 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:	GREEN 48 39.01 125 02.46

Nisk ID	Nisk Int V	Nisk Int S	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	✓	✓	6	3021	46	10.7	3.615		1				
2	✓	✓	7	3032	30	11.1	3.875		2				
3	✓	✓	8A	2095	20	11.4	4.134 →		3	3022	11.4	4.118	
4	✓	✓	9	1055	10	12.3	5.068		4				
5	✓	X	10	1015	5	12.7	5.300	SPIGOT leaking	5				
6									6				
7									7				
8									8				
9									9				
10									10				
11									11				
12									12				
13									13				
14									14				
15									15				
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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

Last Updated: March 2014

Institute of Ocean Sciences
Water Properties Group

Cruise and Analysis Information	
Cruise Number:	2014-22
Event:	4
Station:	LI304
Event Date (Local):	5 Sept 2014
Analysis Date (Local):	06Sept 14
Analyst:	Tamara
Stdization Date (Local):	06Sept 14
KIO_3 N:	0.009857
Standard Titer:	0.2017
Blank Titer:	0.0027
THIO N:	0.1411 5
Sample Flask Water Seal?	(Yes) / 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:	GREEN 48 35.60 125 08.75

Nisk ID	Nisk Int V	Nisk Int S	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			14	2046	103	8.9	1.701		1				
2	✓	✓	15[A]	3124	75	9.2	2.762 →		2	B 12	9.2	2.768	B analyzed before A
3	✓	✓	16	3084	50	9.6	3.501		3				
4	✓	✓	17	2056	30	10.2	3.873		4				
5	✓	✓	18	2069	20	10.9	4.224		5				
6	✓	✓	19	94	10	12.4	6.331		6				
7	✓	✓	20	3061	5	13.8	7.512		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				

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

BLUE

Institute of Ocean Sciences
Water Properties Group

Last Updated: March 2014

Cruise and Analysis Information	
Cruise Number:	2014-22
Event:	8
Station:	LB06
Event Date (Local):	6 Sept 2014
Analysis Date (Local):	06Sept 14
Analyst:	Tamara
Stdization Date (Local):	06Sept 14
KIO_3 N:	0.009857
Standard Titer:	0.7017
Blank Titer:	0.0027
THIO N:	0.14115
Sample Flask Water Seal?	(Yes) / 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:
48° 32.20N
125° 15.51W

Nisk ID	Nisk Int V	Nisk Int S	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			24	2098	110	9.3	1.396	⇒	1				
2			25	2099	75	9.5	1.702	⇒	2	621	9.4	1.700	
3			26	2097	50 30	10.4	2.823	No 50m bottle tripped.	3				
4			27	2061	30 20	—	3.563		4				
5			28	3118	20 10	13.3	6.882		5				
6			29	~~62~~ 1053	10 5	14.5	7.545		6				
7			~~30~~	3111	~~5~~			No bottle 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				

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

Last Updated: March 2014

Institute of Ocean Sciences
Water Properties Group

BLUE (BACK 1/2)

Cruise and Analysis Information	
Cruise Number:	2014-22
Event:	13
Station:	L308
Event Date (Local):	6 Sept 2014
Analysis Date (Local):	06 Sept 14
Analyst:	Tamara
Stdization Date (Local):	06 Sept 14
KIO_3 N:	0.0098571
Standard Titer:	0.7017
Blank Titer:	0.0027
THIO N:	0.14115
Sample Flask Water Seal?	(Yes) / 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:

48° 25.40 N
125 28.62 W

Nisk ID	Nisk Int V	Nisk Int S	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			34	712	154	10.1	0.990 ⇒		1	3150	9.7	0.970	
2		X	35	2014	125	~~12.2~~	0.981 ⇒ 9.5°		2	2049	9.6	0.984	
3			36	3067	100	9.5	1.244 ⇒		3	3142	9.6	1.247	
4			37	510	75	9.6	1.367		4				
5		X	38	3209	50	9.8	2.049		5				
6			39	611	30	10.3	2.649		6				
7			40	468	20	12.3	5.521		7				
8			41	631	10	14.0	7.241		8				
9			42	505	5	14.3	7.250 ⇒		9	715	14.4	7.234	
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				

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

Last Updated: March 2014

Institute of Ocean Sciences
Water Properties Group

Cruise and Analysis Information	
Cruise Number:	2014-22
Event:	23
Station:	LB09
Event Date (Local):	6 SEPT 2014
Analysis Date (Local):	06Sept 14
Analyst:	Tamara
Stdization Date (Local):	06Sept 14
KIO_3 N:	0.0098571
Standard Titer:	0.7017
Blank Titer:	0.0027
THIO N:	0.14115
Sample Flask Water Seal?	(Yes) / 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:	48 21.98 125 34.45

Nisk ID	Nisk Int V	Nisk Int S	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	✓	✓	44	3002	141	9.1	1.475		1				
2	✓	✓	45	1440	125	9.1	1.422		2				
3	✓	✓	46	1433	100	9.2	1.358		3				
4	✓	✓	47	1442	75	9.4	2.277	O_2 bottle # is 1442	4				
5	✓	✓	48	1413	50	9.8	2.512		5				
6	✓	✓	49	1470	30	10.5	3.230		6				
7	✓	✓	50	1472[A]	20	11.4	3.896		7	1466[B]	11.2	3.897	
8	✓	✓	51	1465	10	13.7	5.763		8				
9	x	✓	52	1457	5	15.0	7.443	Top value not closed properly	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				

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.

changed this dispenser tip

~~Silver box~~ 2 Metal box #3

Dissolved Oxygen Analysis Log Sheet

Institute of Ocean Sciences
Water Properties Group

Last Updated: March 2014

Cruise and Analysis Information	
Cruise Number:	2014-22
Event:	26
Station:	LB11
Event Date (Local):	6 SEPT 2014
Analysis Date (Local):	07Sept 14
Analyst:	Tamara
Stdization Date (Local):	06Sept 14
KIO_3 N:	0.0098571
Standard Titer:	0.7017
Blank Titer:	0.0027
THIO N:	0.14115
Sample Flask Water Seal?	(Yes) / 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:

48 15.29
125 47.77

Thermo Serial #
14006889G

Nisk ID	Nisk Int V	Nisk Int S	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	✓	✓	54	551	193	7.7	1.822	Testo 108 while Therm reads 9.7	1				
2	✓	✓	55	2068	175	7.8	2.089		2				
3	✓	✓	56	3030	150	7.9	2.223		3				
4	✓	✓	57	3000	125	8.0	2.488		4				
5	✓	✓	58A	3164	100	8.0	3.683 ⇒		5	1025	8.1	3.682	
6	✓	✓	59	622	75	7.8	4.558		6				
7	✓	✓	60	471	50	7.9	5.522		7				
8	✓	✓	61	2092	30	9.3	3.355		8				
9	x	x	62	3043	20	10.1	3.616	~~Top~~ spigot slow leak (drip) Top value not sealed	9				
10	✓	✓	63	3047	10	11.2	5.704		10				
11	✓	✓	64	528	5	12.6	8.148		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				

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

Silver Box Lid

Last Updated: March 2014

Institute of Ocean Sciences
Water Properties Group

Cruise and Analysis Information	
Cruise Number:	2014 - 22
Event:	27
Station:	LB12
Event Date (Local):	6 SEPT 2014
Analysis Date (Local):	07Sept14
Analyst:	Tamara
Stdization Date (Local):	06Sept14
KIO_3 N:	0.0098571
Standard Titer:	0.7017
Blank Titer:	0.0027
THIO N:	0.14115
Sample Flask Water Seal?	(Yes) / 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:	48° 12.90 125° 51.86

Nisk ID	Nisk Int V	Nisk Int S	Sample ID	Flask 1	Depth (m)	Draw T 1 (°C)	OXY 1 (mL/L)	Comments
1	✓	✓	66	3020	502	6.5	0.727	
2	✓	✓	67	3018	400	6.7	1.034	
3	✓	✓	68	3023	300	7.2	1.622	
4	✓	✓	69[A]	3028	250	7.4	1.702	
5	✓	✓	70	2047	200	7.6	1.939	
6	✓	✓	71	3007	175	7.7	1.958	
7	✓	✓	72	3116	150	7.8	2.444	
8	✓	✓	73	3104	125	8.0	2.511	
9	✓	✓	74	708	100	8.1	3.531	
10	✓	✓	75	3034	75	7.8	4.717	
11	✓	✓	76	3014	50	8.1	5.418	
12	✓	✓	77	3009	40	8.4	5.822	
13	✓	✓	78	371	30	9.1	5.945	
14	✓	✓	79	2099	20	10.3	5.719	
15	✓	✓	80	2017	10	11.5	6.981	
16	✓	✓	81	658	5	12.6	7.396	
17								
18								
19								
20								
21								
22								
23								
24								

Nisk ID	Flask 2	Draw T 2 (°C)	OXY 2 (mL/L)	Comments
1				
2				
3				
4	[B]1408	7.4	1.709	
5				
6				
7				
8				
9				
10				
11				
12				
13				
14				
15				
16				
17				
18				
19				
20				
21				
22				
23				
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

Last Updated: March 2014

Institute of Ocean Sciences
Water Properties Group

Cruise and Analysis Information	
Cruise Number:	2014 - 22
Event:	29
Station:	WB14
Event Date (Local):	6 SEPT 2014
Analysis Date (Local):	07Sept14
Analyst:	Tamara
Stdization Date (Local):	06Sept14
KIO_3 N:	0.0098571
Standard Titer:	0.7017
Blank Titer:	0.0027
THIO N:	0.14115
Sample Flask Water Seal?	(Yes) / 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:	WHITE 48° 08.50 125° 59.89

Nisk ID	Nisk Int V	Nisk Int S	Sample ID	Flask 1	Depth (m)	Draw T 1 (°C)	OXY 1 (mL/L)	Comments
1	✓	✓	84	1404	1168	5.6	0.372	
2	✓	✓	85[A]	1401	1000	5.6	0.246 →	
3	✓	✓	86	1418	750	6.1	0.230	
4	✓	✓	87	1416	500	6.4	0.672	
5	✓	✓	88	1409	400	6.8	0.991	
6	✓	✓	89	1446	300	7.3	1.684	
7	✓	✓	90	1427	250	7.5	2.050	
8	✓	✓	91	1443	200	7.8	2.455	
9	✓	✓	92	1422	175	8.0	2.5788	
10	✓	✓	93	1434	150	8.2	2.743	
11	✓	✓	94[A]	1411	125	8.3	3.275 →	
12	✓	✓	95	1407	100	8.3	3.587	
13	✓	✓	96	1417	75	8.2	4.808	
14	✓	✓	97	1428	50	8.7	5.281	
15	✓	✓	98	[illegible]	30	9.4	5.816	Flask 1 changed to # 3010
16	✓	✓	99	2059	20	10.3	5.845	
17	✓	✓	100	650	10	12.4	6.408	
18	✓	✓	101	2000	5	14.5	6.525	
19			102					
20								
21								
22								
23								
24								

Nisk ID	Flask 2	Draw T 2 (°C)	OXY 2 (mL/L)	Comments
1				
2	B1426	5.7	0.237	
3				
4				
5				
6				
7				
8				
9				
10				
11	B1402	8.5	3.274	
12				
13				
14				
15				
16				
17				
18				
19				
20				
21				
22				
23				
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

GREEN

Last Updated: March 2014

Cruise and Analysis Information	
Cruise Number:	2014-22
Event:	LC11 38
Station:	LC11
Event Date (Local):	Sept 7, 2014
Analysis Date (Local):	07Sept14
Analyst:	Tamara
Stdization Date (Local):	06Sept14
KIO_3 N:	0.0098571
Standard Titer:	0.7017
Blank Titer:	0.0027
THIO N:	0.14115
Sample Flask Water Seal?	Yes / 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:

48 1894 126 26.85

Nisk ID	Nisk Int V	Nisk Int S	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			116	2087	1474	9.7	0.672		1				
2			117	1059	1250	9.2	0.419 ±		2				
3			118	2089	1000	9.7	0.234		3				
4			119	1002	750	9.4	0.235		4				
5			120	3021	500	10.9	0.639 ⇒		5	3032	10.3	0.631	
6			121	2095	400	10.0	1.162		6				
7			122	3022	300	10.3	1.731		7				
8			123	1055	250	10.8	2.188		8				endpoint bubble? window data + display - discard endpoint
9			124	1015	200	11.0	2.688		9				
10			125	1035	175	11.0	~~2.911~~	2.534	10				
11			126	2060	150	11.1	~~3.465~~	2.911 forgot to record	11				
12			127	612	125	10.7	3.488 ⇒		12	3124	10.9	3.485	bandlysed before A
13			128	3084	100	10.3	4.477		13				
14			129	2056	75	10.8	3.698		14				
15			130	2069	50	11.8	6.009		15				
16			131	94	30	13.6	5.801		16				
17			132	3061	20	14.2	6.199		17				
18			133	2035	10	14.8	6.245		18				
19			134	3033	5	16.1	6.186		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

Last Updated: March 2014

≈ Nina's help: 0.882 + 0.006 → EP + 1 ml std + 3 ml std dosage; 0.084 3rd EP

Cruise and Analysis Information	
Cruise Number:	2014 - 22
Event:	40
Station:	LC01
Event Date (Local):	07Sept14
Analysis Date (Local):	07Sept14
Analyst:	Tamara
Stdization Date (Local):	06Sept14
KIO_3 N:	0.0098571
Standard Titer:	0.7017
Blank Titer:	0.0027
THIO N:	0.14115
Sample Flask Water Seal?	Yes / 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:	GREY 48 56.38 125 27.54 used white thermometer

Nisk ID	Nisk Int V	Nisk Int S	Sample ID	Flask 1	Depth (m)	Draw T 1 (°C)	OXY 1 (mL/L)	Comments
1	✓	✓		196	85	3020	10.2	2.517 bubble. endpoint OK?
2	✓	✓		197	75	3018	10.5	2.453
3	✓	✓		198A	50	1408	10.9 →	2.946
4	✓	✓		199	30	2049	11.5	overtitrated endpoint=
5	x	✓		200	26	3023	12.1	4.396 Top valve not sealed
6	✓	✓		201	10	3007	13.0	6.581
7	✓	✓		202	5	3104	13.7	8.263
8								
9								
10								
11								
12								
13								
14								
15								
16								
17								
18								
19								
20								
21								
22								
23								
24								

Nisk ID	Flask 2	Draw T 2 (°C)	OXY 2 (mL/L)	Comments
1				USED THE BIG WHITE
2				THERMOMETER
3	3028B	10.9	2.936	SWITCH TO YELLOW
4				FOR NEXT ROSETTE
5				
6				
7				
8				
9				
10				
11				
12				
13				
14				
15				
16				
17				
18				
19				
20				
21				
22				
23				
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

Last Updated: March 2014

Institute of Ocean Sciences
Water Properties Group

Cruise and Analysis Information	
Cruise Number:	2014 - 22
Event:	41
Station:	LCO2
Event Date (Local):	07.09.14
Analysis Date (Local):	07Sept14
Analyst:	Tamara
Stdization Date (Local):	06Sept14
KIO_3 N:	0.0098571
Standard Titer:	0.7017
Blank Titer:	0.0027
THIO N:	0.14115
Sample Flask Water Seal?	(Yes) / 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:
GREY
48 48.68
125 30.93
- using Yellow thermometer

Nisk ID	Nisk Int V	Nisk Int S	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				186	98	3034	8.4	2.393	1				
2	✓	✓		187	75	3014	8.6	2.407	2	B708	8.5	2.395	
3	✓	✓		188	50	3009	9.7	3.475	3				
4	✓	✓		189	40	371	10.1	3.706	4				
5	✓	✓		190	30	2017	10.8	4.605	5				
6	✓	✓		191	20	658	11.6	6.478	6				
7	✓	✓		192	10	3194	11.8	6.540	7				
8	✓	✓		193	5	3019	12.1	6.688	8				
9				[illegible]	5				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				

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

Last Updated: March 2014

Institute of Ocean Sciences
Water Properties Group

Cruise and Analysis Information	
Cruise Number:	2014-28
Event:	43/44
Station:	LC04
Event Date (Local):	07 09 14
Analysis Date (Local):	08Sept 14
Analyst:	Tamara
Stdization Date (Local):	06Sept 14
KIO_3 N:	0.0098571
Standard Titer:	0.7017
Blank Titer:	0.0027
THIO N:	0.14115
Sample Flask Water Seal?	(Yes) / 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:	WHITE 48 43.46 125 40.85

Nisk ID	Nisk Int V	Nisk Int S	Sample ID	Flask 1	Depth (m)	Draw T 1 (°C)	OXY 1 (mL/L)	Comments
1	✓	✓	175	1404	156	7.9	2.228	
2	✓	✓	176	1401	150	7.9	2.246	
3	✓	✓	177	1426	125	8.0	2.510	
4	✓	✓	178[A]	1418	100	8.1	2.899	
5	✓	✓	179	1446	75	8.5	2.680	
6	✓	✓	180	1427	50	9.1	3.121	
7	✓	✓	181	1416	30	9.9	3.925	
8	✓	✓	182	1443	20	10.4	4.355	
9	✓	✓	183	1422	10	11.0	4.981	
10	✓	✓	184	1434	5	11.3	5.320	
11								
12								
13								
14								
15								
16								
17								
18								
19								
20								
21								
22								
23								
24								

Nisk ID	Flask 2	Draw T 2 (°C)	OXY 2 (mL/L)	Comments
1				
2				
3				
4	[B]1469	8.1	2.904	
5				
6				
7				
8				
9				
10				
11				
12				
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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

Last Updated: March 2014

Cruise and Analysis Information	
Cruise Number:	2014-22
Event:	47
Station:	LC06
Event Date (Local):	07 09 14
Analysis Date (Local):	08Sept14
Analyst:	Tamara
Stdization Date (Local):	06Sept14
KIO_3 N:	0.0098571
Standard Titer:	0.7017
Blank Titer:	0.0027
THIO N:	0.14115
Sample Flask Water Seal?	(Yes) / 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:	48° 36.46 125° 53.91

Nisk ID	Nisk Int V	Nisk Int S	Sample ID	Flask 1	Depth (m)	Draw T 1 (°C)	OXY 1 (mL/L)	Comments
1	✓	✓	167	1402	83	7.9	3.650	
2	✓	✓	168	1407	75	7.8	4.122	
3	✓	✓	169	1417	50	8.2	4.282	
4	✓	✓	170	1428	30	8.8	4.364	
5	✓	✓	171	2059	20	9.5	5.272	
6	x	✓	172A	650	10	12.5	6.226	⇒ open Vent (leaking)
7	✓	✓	173	3037	5	14.4	6.522	
8								
9								
10								
11								
12								
13								
14								
15								
16								
17								
18								
19								
20								
21								
22								
23								
24								

Nisk ID	Flask 2	Draw T 2 (°C)	OXY 2 (mL/L)	Comments
1				
2				
3				
4				
5				
6	2000B	–	6.226	Flask drawn 1st
7				
8				
9				
10				
11				
12				
13				
14				
15				
16				
17				
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20				
21				
22				
23				
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

Last Updated: March 2014

Institute of Ocean Sciences
Water Properties Group

Cruise and Analysis Information	
Cruise Number:	2014-22
Event:	50
Station:	LC08
Event Date (Local):	08 Sept 14
Analysis Date (Local):	08 Sept 14
Analyst:	Tamara
Stdization Date (Local):	08 Sept 14
KIO_3 N:	0.0098571
Standard Titer:	~~0.7077~~ 0.7020
Blank Titer:	~~0.0027~~ 0.0037
THIO N:	~~0.14115~~ 0.14129
Sample Flask Water Seal?	(Yes) / 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:

48° 29.488
126° 07.099

Nisk ID	Nisk Int V	Nisk Int S	Sample ID	Flask 1	Depth (m)	Draw T 1 (°C)	OXY 1 (mL/L)	Comments
1			154	2064	191	8.0	1.553	
2			155	3018	175	8.0	1.546	
3			156	1408	150	8.1	1.901	
4			157	3028	125	8.2	2.442	
5			158	2047	100	8.0	4.462	
6			159	3023	75	8.3	5.886	
7			160	~~3037~~	50	8.9	6.105	
8			161A	3104	30	10.1	6.077	
9			162	3034	20	12.2	5.953	
10			163	3014	10	14.5	6.025	
11	✓	✓	164	708	5	15.2	6.271	
12								
13								
14								
15								
16								
17								
18								
19								
20								
21								
22								
23								
24								

Nisk ID	Flask 2	Draw T 2 (°C)	OXY 2 (mL/L)	Comments
1				
2				
3				
4				
5				
6				
7				
8	3116	10.1	6.069	
9				analysed between 161A - 161B
10				
11				
12				
13				
14				
15				
16				
17				
18				
19				
20				
21				
22				
23				
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

BLUE

Institute of Ocean Sciences
Water Properties Group

Last Updated: March 2014

0.187

Cruise and Analysis Information	
Cruise Number:	2014-22
Event:	56
Station:	LC09
Event Date (Local):	Sept 7 /2014
Analysis Date (Local):	08 Sept 14
Analyst:	Tamara
Stdization Date (Local):	08 Sept 14
KIO_3 N:	0.0098571
Standard Titer:	0.7020
Blank Titer:	0.0037
THIO N:	0.14129
Sample Flask Water Seal?	(Yes) / 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:

48 25.96 126 13.82

Nisk ID	Nisk Int V	Nisk Int S	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			136	2098	610	6.9		bubble ! ⇒	1				overtitrated c addnl 3rd iodate initial dosage = 0.11 ml thio 2nd EP = 0.187 dosage
2			137	2090	500	7.1	0.754		2				
3			138	621	400	7.6	1.438		3				
4			139	2097	300	87.7	1.663		4				
5			140	2061	250m	11.9	1.687 ⇒		5	3118	8.0	1.685	B analyzed before A
6			141	1053	200m	8.0	1.816		6				
7			142	3111	175m	8.1	1.970		7				
8			143	712	150m	8.3	2.669		8				
9			144	3190	125	8.4	2.721		9				
10			145	2014	100	8.1	3.522		10				
11			146	2049	75	8.7	3.755		11				
12			147	3067	50	9.1	6.183 ⇒		12	3142	9.1	6.176	B analyzed before A forgot to repeat [illegible]
13			148	510	30	10.6	5.447	11.4	13				
14			149	3209	20	[illegible]	6.386	13.4	14				
15			150	611	10	[illegible]	6.475	14.7	15				
16			151	468	5	15.0	6.502	15.0 temp	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.

Dissolved Oxygen Analysis Log Sheet

GREEN

Institute of Ocean Sciences
Water Properties Group

Last Updated: March 2014

Cruise and Analysis Information		Nisk ID	Nisk Int V	Nisk Int S	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:	2014-22	1			204	2087	1595	6.3	0.891		1				
Event:	57	2			205	1059	1500	6.3	0.798		2				
Station:	LD11	3			206	2089	1250	6.3		⇒ bubble in A so over titration done: 1st dosage = 0.118, +3ml KIO_3 + 2nd EP dosage = 0.175	3	3032	6.5	0.435	[illegible]
Event Date (Local):	08 Sept 14	4			207	1002	1000	6.5	0.235		4				
Analysis Date (Local):	08 Sept 14	5			208	3021	750	6.8	0.256	incorrectly (fixed) entered in AutoOXY as sample # 208	5	3032			
Analyst:	Tamara	6			209	2095	500	7.1	0.804		6				
Stdization Date (Local):	08 Sept 14	7			210	3022	400	7.3	1.334		7				
KIO_3 N:	0.0098571	8			211	1055	300	7.6	2.019		8				
Standard Titer:	0.7020	9			212	1015	250	7.7	2.564		9				
Blank Titer:	0.0037	10			213	1035	200	8.1	3.273		10				
THIO N:	0.14129	11			214	2060	175	8.3	3.522		11				
Sample Flask Water Seal?	(Yes) / No	12			215	612	150	8.4	3.524		12	3124			
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	13			216	3084	125	8.3	4.625 ⇒		13	1324	8.4	4.610	
		14			217	2056	100	8.6	5.440		14				
		15			218	2069	75	8.7	5.909		15				
		16			219	94	50	10.5	6.180		16				
		17			220	3061	~~7330~~	12.4	6.485		17				
		18			221	2035	20	14.4	6.125		18				
		19			222	3033	10	16.3	6.167		19				
		20			223	552	5	16.5	5.889		20				
		21									21				
		22									22				
		23									23				
		24									24				

Notes:

48 28.74
126 42.96

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

Last Updated: March 2014

Institute of Ocean Sciences
Water Properties Group

Cruise and Analysis Information	
Cruise Number:	2014-22
Event:	63
Station:	LD08
Event Date (Local):	08 Sept 14
Analysis Date (Local):	08 Sept 14
Analyst:	Tamara
Stdization Date (Local):	08 Sept 14
KIO_3 N:	0.0098571
Standard Titer:	0.7020
Blank Titer:	0.0037
THIO N:	0.14129
Sample Flask Water Seal?	(Yes) / 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:	METAL # 3

48 39.17
126 23.37

Nisk ID	Nisk Int V	Nisk Int S	Sample ID	Flask 1	Depth (m)	Draw T 1 (°C)	OXY 1 (mL/L)	Comments
1	x	✓	225	3002	764	6.3	0.256	Vent open
2	✓	✓	226	1440	750	6.3	0.252	
3	✓	–	227	1433[A]	500	6.6	0.802 ⇒	
4	✓	✓	228	1442[A]	400	7.2	1.096	
5	✓	✓	229	1470	300	7.5	~~1.962~~	1.662
6	✓	✓	230	1472	250	7.7	~~2.209~~	1.962
7	✓	✓	231	1465	200	8.1	~~2.519~~	2.209
8	✓	✓	232	1457	175	8.3	~~2.651~~	2.519
9	✓	✓	233	1460	150	8.4	~~2.671~~	2.651
10	~~✓~~	~~x~~	234	~~2094~~	125	8.4	~~4.295~~	2.671 Bottom end cap not properly sealed
11	✓	–	235	3035	100	8.1	~~5.451~~	4.295
12	✓	✓	236	557	75	8.0	~~5.879~~	5.451
13	✓	✓	237	2068	50	8.7	5.879	
14	✓	✓	238	3030[A]	30	10.1	5.334 ⇒	
15	✓	–	239	3164	20	14.5	6.209	
16	✓	–	240	1023	10	14.7	6.232	
17	✓	✓	241	622	5	14.7	6.222	no water seal
18								
19								
20								
21								
22								
23								
24								

Nisk ID	Flask 2	Draw T 2 (°C)	OXY 2 (mL/L)	Comments
1				
2				
3	1413[B]	6.7	0.784	
4				missed one (writing it down) somewhere here. (fixed) sorry.
5				
6				
7				
8				
9				
10				
11				
12				
13				
14	3000[B]	10.1	5.333	B analysed before A 238B 239, 238A
15				239 analysed before 238A
16				
17				
18				
19				
20				
21				
22				
23				
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

Last Updated: March 2014

Institute of Ocean Sciences
Water Properties Group

Cruise and Analysis Information	
Cruise Number:	2014-22
Event:	65
Station:	LD06
Event Date (Local):	08 Sept 14
Analysis Date (Local):	09 Sept 14
Analyst:	Tamara
Stdization Date (Local):	08 Sept 14
KIO_3 N:	0.0098571
Standard Titer:	0.7020
Blank Titer:	0.0037
THIO N:	0.14129
Sample Flask Water Seal?	(Yes) / 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:

WHITE
48 46.14
126 10.24

Nisk ID	Nisk Int V	Nisk Int S	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	✓	✓	243	1404	127	8.0	2.121		1				
2	✓	✓	244	1401	100	8.0	2.997		2				
3	✓	✓	245	1426	75	7.8	3.993		3				
4	✓	✓	246	1418	50	7.9	4.679		4				
5	x	✓	247	1409	30	8.7	4.456	Topend cap not correctly seated	5				
6	✓	✓	248	1446	20	9.7	4.730		6				
7	✓	✓	249	1427	10	14.6	6.154		7	1416B	14.6	6.124	a lot of crap (floaty bits) in B flask
8	✓	✓	250	1443	5	14.9	6.182		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				

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: March 2014

Cruise and Analysis Information	
Cruise Number:	2014-22
Event:	67
Station:	LD04
Event Date (Local):	SEPT 8, 2014
Analysis Date (Local):	09 Sept 14
Analyst:	Tamara
Stdization Date (Local):	08 Sept 14
KIO_3 N:	0.009857
Standard Titer:	0.7020
Blank Titer:	0.0037
THIO N:	0.14129
Sample Flask Water Seal?	(Yes) / 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:

silver
48° 53.17
125° 56.94

Nisk ID	Nisk Int V	Nisk Int S	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	✓	✓	252	2064	52	9.4	2.559		1				
2	✓	✓	253	3018	30	9.9	3.573		2				
3	✓	✓	254	4108	20	10.5	3.960		3	3028	10.3	3.959	
4	✓	✓	255	2047	10	12.5	6.636		4				
5	✓	✓	256	3023	5	~~13.4~~	7.155	redraw ⇒ T1 = 13.1	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				

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

Last Updated: March 2014

Institute of Ocean Sciences
Water Properties Group

Cruise and Analysis Information	
Cruise Number:	2014-22
Event:	70
Station:	LD02
Event Date (Local):	08 Sept 14
Analysis Date (Local):	09 Sept 14
Analyst:	Tamara
Stdization Date (Local):	08Sept14
KIO_3 N:	0.098571
Standard Titer:	0.7020
Blank Titer:	0.0037
THIO N:	0.14129
Sample Flask Water Seal?	(Yes) / 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:

GREY
48 58.37
125 47.03

Nisk ID	Nisk Int V	Nisk Int S	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	✓	✓	258	3104	35	10.2	3.218		1				
2	✓	✓	259	3034	30	10.3	3.269		2				
3	✓	✓	260	3116	20	~~13.5~~	4.097	$T_1 = 11.0$	3				
4	✓	✓	261	3014	10	13.6	6.388		4	708	13.5	6.382	
5	✓	✓	262	3009	5	~~14.9~~	7.093	Redraw; $T_1 = 14.8$	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				

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

Last Updated: March 2014

Institute of Ocean Sciences
Water Properties Group

Cruise and Analysis Information	
Cruise Number:	2014-22
Event:	72
Station:	LD01
Event Date (Local):	09 Sept 2014
Analysis Date (Local):	09 Sept 14
Analyst:	Tamara
Stdization Date (Local):	08 Sept 14
KIO_3 N:	0.0098571
Standard Titer:	0.7020
Blank Titer:	0.0037
THIO N:	0.14129
Sample Flask Water Seal?	(Yes) / 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:	GREY ~~49~~ 0.10 125 43.95

Nisk ID	Nisk Int V	Nisk Int S	Sample ID	Flask 1	Depth (m)	Draw T 1 (°C)	OXY 1 (mL/L)	Comments
1			~~264~~	2017	34	10.1	2.839	
2			265	658	20	11.1	3.995	
3			266	3794	10	14.2	6.946 ⇒	
4			267	3020	5	14.7	7.028	
5								
6								
7								
8								
9								
10								
11								
12								
13								
14								
15								
16								
17								
18								
19								
20								
21								
22								
23								
24								

Nisk ID	Flask 2	Draw T 2 (°C)	OXY 2 (mL/L)	Comments
1				
2				
3	3019A	14.2	6.923	lots of cruddy bits in B
4				
5				
6				
7				
8				
9				
10				
11				
12				
13				
14				
15				
16				
17				
18				
19				
20				
21				
22				
23				
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

BLUE (½ HALF)

Last Updated: March 2014

Institute of Ocean Sciences
Water Properties Group

Cruise and Analysis Information	
Cruise Number:	2014-22
Event:	73
Station:	LG01
Event Date (Local):	9 Sept 2014
Analysis Date (Local):	09 Sept 14
Analyst:	Tamara
Stdization Date (Local):	08 Sept 14
KIO_3 N:	0.0098571
Standard Titer:	0.7020
Blank Titer:	0.0037
THIO N:	0.14129
Sample Flask Water Seal?	(Yes) / 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:

49 20.47 126 34.93

Nisk ID	Nisk Int V	Nisk Int S	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			269	2049	51	9.5	3.015		1				
2			270	2098	30	10.0	3.019		2				
3			271	2090	20	11.1	4.065 ⇒		3	621	11.1	4.067	
4			272	2097	10	13.1	6.193	forgot to record value.	4				
5			273	2061	5	13.2	6.237	leaky spigot	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				

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

BLUE (1/2)

Last Updated: March 2014

Institute of Ocean Sciences
Water Properties Group

Cruise and Analysis Information	
Cruise Number:	2014-22
Event:	~~34~~ 76
Station:	LG02
Event Date (Local):	9 ~~Aug~~ Sept 2014
Analysis Date (Local):	09 ~~Aug~~ Sept 14 11
Analyst:	Tamara
Stdization Date (Local):	08 Sept 14
KIO_3 N:	0.0098571
Standard Titer:	0.2020
Blank Titer:	0.0037
THIO N:	0.14129
Sample Flask Water Seal?	(Yes) / 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:

49° 18.58 N
126° 38.18 W

Nisk ID	Nisk Int V	Nisk Int S	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			275	1053	95	8.2	2.494	this analysis is in event ~~13~~ / LG01 (fixed)	1				
2			276	3111	75	8.4	3.692		2				
3			277	712	50	9.2	3.075		3	3109	9.3	3.075	
4			278	3118	40	9.4	2.884		4				
5			279	3142	30	9.6	3.260	tighter Niskin seal on 11	5				
6			280	3067	20	9.8	3.513		6				
7			281	510	10	11.2	4.641		7				
8			282	3209	5	12.6	6.091	I may have not dried the rim of this one...	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				

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

GREEN

Institute of Ocean Sciences
Water Properties Group

Last Updated: March 2014

Cruise and Analysis Information	
Cruise Number:	2014.22
Event:	79
Station:	LG04
Event Date (Local):	9 Sept 2014
Analysis Date (Local):	09 Sept 14
Analyst:	Tamara
Stdization Date (Local):	08 sept 14
KIO_3 N:	0.009857
Standard Titer:	0.7020
Blank Titer:	0.0037
THIO N:	0.1412
Sample Flask Water Seal?	(Yes) / 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:

49 11.32 126 49.41

bottom = 144

Nisk ID	Nisk Int V	Nisk Int S	Sample ID	Flask 1	Depth (m)	Draw T 1 (°C)	OXY 1 (mL/L)	Comments
1			285	3016	139	8.0	2.143	
2			286	1059	125	11.9	2.206	
3			287	2089	100	7.9	3.819	
4			288	3032	75	7.5	5.496 ⇒	
5			289	3021	50	8.2	5.711	
6			290	2095	30	8.9	5.464	
7			291	3022	20	9.4	5.359	
8			292	1055	10	13.5	6.210	
9			293	1015	5	13.5	6.320	
10								
11								
12								
13								
14								
15								
16								
17								
18								
19								
20								
21								
22								
23								
24								

Nisk ID	Flask 2	Draw T 2 (°C)	OXY 2 (mL/L)	Comments
1				
2				
3				
4	1002	7.6	5.471	
5				
6				
7				
8				
9				
10				
11				
12				
13				
14				
15				
16				
17				
18				
19				
20				
21				
22				
23				
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

BLUE METAL

Last Updated: March 2014

Institute of Ocean Sciences
Water Properties Group

Cruise and Analysis Information		Nisk ID	Nisk Int V	Nisk Int S	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:	2014-22	1			295	3002	971	6.1	0.234		1				
Event:	81	2			296	1440	750	6.4	0.265		2				
Station:	2606	3			297	1470	500	6.7	0.906	* Bottle 20	3				
Event Date (Local):	9 Sept 2014	4			298	1442	400	7.0	1.091	⇒	4	1465	7.0	1.085	
Analysis Date (Local):	09Sept14	5			299	1413	300	7.3	1.755		5				
Analyst:	Tamara	6			300	1457	250	7.5	2.138		6				
Stdization Date (Local):	08Sept14	7			301	1460	200	7.6	3.243		7				
KIO_3 N:	0.0098577	8			302	2094	175	7.7	3.428		8				
Standard Titer:	0.7020	9			303	3035	150	7.8	3.706		9				
Blank Titer:	0.0037	10			304	557	125	7.9	4.042		10				
THIO N:	0.1429	11			305	1472	100	7.8	4.628		11				
Sample Flask Water Seal?	Yes	12			306	2068	75	8.0	5.857		12				
	No	13			307	3000	50	10.7	6.026		13				
Reagent Change?	$MnCl_2$	14			[illegible]		40	—	—		14				
(Please circle reagent that was changed prior to sampling and standardization) NOTE NEW BATCH IN LOG BOOK	NaI/NaOH	15			309	3080	30	10.4	5.424	⇒	15	3164	10.4	5.422	
	H_2SO_4	16			310	1023	20	13.3	6.059		16				
	KIO_3	17			311	1433	10	13.6	6.097		17				
	THIO	18			312	622	5	13.9	6.113		18				
Notes:		19									19				
49 3.48 127 1.17		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

Last Updated: March 2014

Institute of Ocean Sciences
Water Properties Group

Cruise and Analysis Information	
Cruise Number:	2014-22
Event:	105
Station:	LBP3
Event Date (Local):	10 09 14
Analysis Date (Local):	10 Sept 14
Analyst:	Tamara
Stdization Date (Local):	09 Sept 14
KIO_3 N:	0.0098577
Standard Titer:	0.7007
Blank Titer:	0.0033
THIO N:	0.14147
Sample Flask Water Seal?	(Yes) / No
Reagent Change? (Please circle reagent that was changed prior to sampling and standardization) NOTE NEW BATCH IN LOG BOOK	$MnCl_2$ no; (NaI/NaOH) ← yes; H_2SO_4; KIO_3; THIO
Notes:	GREEN 50 03.25 127 55.27

Nisk ID	Nisk Int V	Nisk Int S	Sample ID	Flask 1	Depth (m)	Draw T 1 (°C)	OXY 1 (mL/L)	Comments
1	✓	✓	316	3016	155	8.0	2.491	
2	✓	✓	317	1059	150	8.0	2.522	
3	✓	✓	A 318	2089	125	8.1	2.762 →	
4	✓	✓	319	1002	100	8.2	3.370	
5	✓	✓	320	3021	75	8.5	3.997	
6	✓	✓	321	2095	50	9.1	3.680	
7	✓	✓	322	3022	40	9.3	3.658	
8	✓	✓	323	1055	30	9.5	4.114?	odd endpoint - over titrated to check initial added 2 mL KIO_3 OT endpoint = 0.085
9	✓	✓	324	1015	20	~~9.9~~	3.909	redraw 1, T_1 = 9.9
10	✓	✓	325	1035	10	12.5	5.735	
11	✓	✓	326	2060	5	13.1	6.390	
12								
13								
14								
15								
16								
17								
18								
19								
20								
21								
22								
23								
24								

Nisk ID	Flask 2	Draw T 2 (°C)	OXY 2 (mL/L)	Comments
1				
2				
3	B 3032	8.1	2.766	
4				
5				
6				
7				
8				1° EP = 0.728 1° dosage = 4.114 initial dosage = .735
9				
10				
11				
12				
13				
14				
15				
16				
17				
18				
19				
20				
21				
22				
23				
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

Last Updated: March 2014

depth flask

Cruise and Analysis Information	
Cruise Number:	2014-22
Event:	108
Station:	LBP5
Event Date (Local):	10.09.14
Analysis Date (Local):	10 Sept 14
Analyst:	Tamara
Stdization Date (Local):	09 Sept 14
KIO_3 N:	0.0098571
Standard Titer:	0.7007
Blank Titer:	0.0033
THIO N:	0.14147
Sample Flask Water Seal?	(Yes) / 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: Blue Lid

50. 0.03
127. 59.97

Nisk ID	Nisk Int V	Nisk Int S	Sample ID	Flask 1	Depth (m)	Draw T 1 (°C)	OXY 1 (mL/L)	Comments
1	✓	✓	327	1278	2049	5.6	0.476	
2	✓	✓	328	1250	2098	5.4	0.460	
3	✓	✓	329	1000	2090	5.8	0.336	
4	✓	✓	A 330	750	621	6.1	0.348	A: bleeder set to 1750 m (fired) should be 750 m
5	✓	✓	331	500	1053	6.7	0.831	
6	✓	✓	332	400	468	6.9	1.295	
7	✓	✓	333	300	2061	7.5	1.853	
8	✓	✓	334	250	3111	7.6	1.816	
9	✓	✓	335	200	712	7.8	2.638	
10	✓	✓	336	175	3190	7.7	3.277	
11	✓	✓	337	150	3118	8.0	3.065	
12	✓	✓	A 338	125	3142	8.0	3.113	
13	✓	✓	339	100	510	7.9	3.938	
14	✓	✓	340	75	3209	7.9	4.550	
15	✓	✓	341	50	611	~~8.3~~	5.220	redraw, T1 = 8.3
16	✓	✓	342 ~~40~~ ~~30~~		2014	8.7	5.122	
17	✓	✓	343 ~~30~~		631	9.1	5.384	
18	✓	✓	344 ~~20~~ ~~10~~		505	10.1	5.325	
19	✓	/	A 345 ~~10~~ ~~5~~		715	12.5	6.151	
20	✓	✓	~~346~~ 5		196	13.6	6.635	
21								
22								
23								
24								

Nisk ID	Flask 2	Draw T 2 (°C)	OXY 2 (mL/L)	Comments
1				
2				
3				
4	B 2097	6.2	0.347	
5				
6				
7				
8				
9				
10				
11				
12	B 3067	8.0	3.129	
13				
14				
15				
16				
17				
18				
19	B 3038	12.4	6.161	
20				
21				
22				
23				
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

Last Updated: March 2014

Institute of Ocean Sciences
Water Properties Group

Cruise and Analysis Information	
Cruise Number:	2014-22
Event:	111
Station:	WBP7
Event Date (Local):	10 Sept 14
Analysis Date (Local):	11 Sept 14
Analyst:	Tamara
Stdization Date (Local):	11 Sept 14
KIO_3 N:	0.0103040
Standard Titer:	0.7320
Blank Titer:	0.0033
THIO N:	0.14153
Sample Flask Water Seal?	(Yes) / 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:
silver
49 52.34
128 11.10

Nisk ID	Nisk Int V	Nisk Int S	Sample ID	Flask 1	Depth (m)	Draw T 1 (°C)	OXY 1 (mL/L)	(temp)	Comments	Nisk ID	Flask 2	Draw T 2 (°C)	OXY 2 (mL/L)	Comments
1	✓	✓	347	2064	2000	~~11.9~~	1.429	3.9		1				
2	✓	✓	348	3018	1500	~~11.5~~	0.700	~~4.2~~ 4.2		2	3028B	4.2	0.704	B sampled before A
3	✓	✓	349	1408A	1250	~~9.8~~	0.427	4.5		3				
4	✓	✓	350	2047	1000	~~8.8~~	0.238	5.2		4				
5	✓	✓	351	3023	750	5.7	0.278			5				
6	✓	✓	352	3007	500	6.3	0.964			6				
7	✓	✓	353	3104	400	6.6	1.253			7				
8	✓	✓	354	3034A	300	6.9	1.747			8	3116B	6.9	1.747	
9	✓	✓	355	3014	250	7.1	1.879			9				
10	✓	✓	356	708	200	7.4	1.946			10				
11	~~—~~	~~—~~	~~357~~	~~658~~	~~175~~				did not fire	11				
12	✓	✓	358	371	150	7.5	2.384			12				
13	✓	✓	359	3009	125	7.5	2.573			13				
14	✓	✓	360	2017	100	7.5	3.988			14				
15	✓	✓	361	3194	75	7.4	5.109			15				
16	✓	✓	362	3019	50	8.0	4.423			16				
17	✓	✓	363	3020A	30	8.8	4.808		sampled 2nd	17	3055B	8.8	4.802	sampled 1st
18	✓	✓	364	3094	20	9.8	4.909			18				
19	✓	✓	365	2051	10	11.5	5.583			19				
20	✓	✓	366	2099	5	11.9	5.682			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

Last Updated: March 2014

Institute of Ocean Sciences
Water Properties Group

Cruise and Analysis Information	
Cruise Number:	2014-22
Event:	121
Station:	C500
Event Date (Local):	11 Sept 2014
Analysis Date (Local):	11 Sept 2014
Analyst:	Tamara
Stdization Date (Local):	11 Sept 14
KIO_3 N:	0.0103040
Standard Titer:	0.7320
Blank Titer:	0.0033
THIO N:	0.14153
Sample Flask Water Seal?	(Yes) / 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: BLUE

50 27.78
129 55.14

Nisk ID	Nisk Int V	Nisk Int S	Sample ID	Flask 1	Depth (m)	Draw T 1 (°C)	OXY 1 (mL/L)	Comments
1	✓	✓	368	2049	2000	5.2	1.223	
2	✓	✓	369	2098	1500	5.4	0.998	
3	✓	✓	370	2090	1250	5.5	0.396	
4	✓	✓	371	621	1000	5.9	0.237	
5	✓	✓	A 372	1053	750	6.3	0.265 →	
6	✓	✓	373	2097	500	6.6	0.902	Redraw T_1 = 6.7
7	✓	✓	374	2061	400	7.0	1.140	
8	✓	✓	375	3111	300	7.3	1.663	
9	✓	✓	376	712	250	7.5	1.943	
10	✓	✓	377	3190	200	7.7	2.148	lots of stringy particles - jellyfish bits
11	✓	✓	378	3142	175	7.8	2.441	
12	✓	✓	379	3118	150	7.9	2.711	
13	✓	✓	A 380	3067	125	8.0	3.046 →	
14	✓	✓	381	3209	100	8.0	3.862	
15	✓	✓	382	611	75	8.3	5.563	
16	✓	✓	383	2014	50	9.5	5.791	
17	✓	✓	384	631	30	11.1	5.527	
18	✓	✓	385	505	20	13.9	5.844	
19	✓	✓	A 386	715	10	15.5	6.211 →	
20	✓	✓	387	196	5	16.1	6.262	redraw T_1 = 16.0
21								
22								
23								
24								

Nisk ID	Flask 2	Draw T 2 (°C)	OXY 2 (mL/L)	Comments
1				
2				
3				
4				
5	B 468	6.3	0.270	
6				
7				
8				
9				
10				
11				
12				
13	B 510	8.1	3.042	B analysed 1st
14				
15				
16				
17				
18				
19	B 3038	15.5	6.215	
20				
21				
22				
23				
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

Last Updated: March 2014

Institute of Ocean Sciences
Water Properties Group

Cruise and Analysis Information	
Cruise Number:	2014 - 22
Event:	127
Station:	CS02
Event Date (Local):	12 Sept 2014
Analysis Date (Local):	12 Sept 14
Analyst:	Tamara
Stdization Date (Local):	11 Sept 14
KIO_3 N:	0.0103040
Standard Titer:	0.7320
Blank Titer:	0.0033
THIO N:	0.1453
Sample Flask Water Seal?	(Yes) / 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:	GREY 50 41.27 129 27.91

Nisk ID	Nisk Int V	Nisk Int S	Sample ID	Flask 1	Depth (m)	Draw T 1 (°C)	OXY 1 (mL/L)	Comments
1			389	2064	1910	5.6	1.285	Wantis suspect drip
2			390	3018	1500	5.7	0.694	
3			391	3028	1250	5.8	0.387	
4			392	1408	1000	6.2	0.286	
5			393	2047	750	6.7	0.361	
6			A 394	3023	500	6.9	0.969 ⇒	
7			395	3104	400	7.1	1.275	
8			396	3034	300	7.3	2.072	Spigot bottle dripped
9			397	3116	250	7.7	2.475	
10			398	3014	200	7.9	2.548	
11			399	708	175	8.0	2.471	
12			400	658	150	8.1	1.882	
13			A 401	371	125	8.1	2.507 ⇒	
14			402	2071	100	8.3	3.262	
15			403	3194	75	8.8	3.664	
16			404	3019	50	9.4	4.270	
17			405	3020	30	10.6	4.856	
18			406	3055	20	13.2	5.646	
19			407	3094	10	16.7	5.914	
20			408	2051	5	16.9	5.931	
21								
22								
23								
24								

Nisk ID	Flask 2	Draw T 2 (°C)	OXY 2 (mL/L)	Comments
1				
2				
3				
4				
5				
6	B 3007	7.0	0.970	3, -o'ring on 6
7				
8				
9				
10				
11				
12				
13	B 3009	8.2	2.499	
14				
15				
16				
17				
18				
19				
20				
21				
22				
23				
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

Last Updated: March 2014

Institute of Ocean Sciences
Water Properties Group

Cruise and Analysis Information	
Cruise Number:	2014-22
Event:	130
Station:	C504
Event Date (Local):	Sept 12/14
Analysis Date (Local):	12 Sept 14
Analyst:	Tamara
Stdization Date (Local):	11 Sept 14
KIO_3 N:	0.01 03040
Standard Titer:	0.7320
Blank Titer:	0.0033
THIO N:	0.14153
Sample Flask Water Seal?	(Yes) / 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:
50° 49.19 N
129° 13.24 W
green

Nisk ID	Nisk Int V	Nisk Int S	Sample ID	Flask 1	~~Draw Depth (m)~~ Draw Temp T 1 (°C)	OXY 1 (mL/L)	Comments	Nisk ID	Flask 2	Draw T 2 (°C)	OXY 2 (mL/L)	Comments
1			410	3016	9.1	3.618	started titr on 1st sample at 1st, restarted (fixed)	1				
2			411	1059	9.1	3.956		2				
3			412	2089	9.6	4.603		3				
4			413	2032	9.7	4.704		4	1002	9.8	4.706	
5			414	3021	9.9	4.834		5				leaky spigot
6			415	2095	10.4	5.723		6				
7			416	3022	10.9	6.259		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				

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

Last Updated: March 2014

Institute of Ocean Sciences
Water Properties Group

Cruise and Analysis Information	
Cruise Number:	2014-22
Event:	140
Station:	CS06
Event Date (Local):	12SEPT 2014
Analysis Date (Local):	12Sept 14
Analyst:	Tamara
Stdization Date (Local):	11Sept 14
KIO_3 N:	0.001 03040
Standard Titer:	0.7320
Blank Titer:	0.0033
THIO N:	0.14153
Sample Flask Water Seal?	(Yes) / 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:	GREEN 50 59.92 128 51.88

Nisk ID	Nisk Int V	Nisk Int S	Sample ID	Flask 1	Depth (m)	Draw T 1 (°C)	OXY 1 (mL/L)	Comments
1	✓	✓	418	1015	54	9.2	4.249	
2	✓	✓	419	1035	50	9.3	4.359	
3	✓	✓	420	612	30	11.3	5.123	
4	✓	✓	421	3084	20	11.8	5.260	
5	✓	X	422	3124	10	14.2	5.947	Spigot had alot of bubbles to start
6	✓	✓	423	2056	5	14.9	6.237	
7								
8								
9								
10								
11								
12								
13								
14								
15								
16								
17								
18								
19								
20								
21								
22								
23								
24								

Nisk ID	Flask 2	Draw T 2 (°C)	OXY 2 (mL/L)	Comments
1				
2	2060	9.3	4.360	Analyzed 1st
3				
4				
5				Spigot Loose?
6				
7				
8				
9				
10				
11				
12				
13				
14				
15				
16				
17				
18				
19				
20				
21				
22				
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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.

ALL DO SAMPLES ON ALL CASTS

Dissolved Oxygen Analysis Log Sheet

SAMPLED IN REVERSE

Institute of Ocean Sciences
Water Properties Group

Last Updated: March 2014

Cruise and Analysis Information	
Cruise Number:	2014 - 22
Event:	146
Station:	CS09
Event Date (Local):	12 SEPT 2014
Analysis Date (Local):	14Sept 14
Analyst:	Tannard
Stdization Date (Local):	11Sept 14
KIO_3 N:	0.00103040
Standard Titer:	0.7310
Blank Titer:	0.0023
THIO N:	0.1453
Sample Flask Water Seal?	(Yes) / 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:	BLUE ~~51~~ 12.52 128 28.12

Nisk ID	Nisk Int V	Nisk Int S	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	✓	✓	425	2098	184	7.6	1.865		1				
2	✓	✓	426	2049	175	7.6	1.869		2				
3	✓	✓	427	2090	150	7.7	1.899		3				
4	✓	✓	428	621	125	7.7	1.997		4				
5	✓	✗	429	1053	100	8.0	3.318	* SPIGOT NEEDS REPLACING * → back of spigot leaks	5				
6	✓	✓	430	468	75	8.7	4.300		6				
7	✓	✓	A 431	3038	50	9.9	4.871 →		7	B 2061	9.8	4.863	
8	✓	✓	432	3111	30	10.9	5.006		8				
9	✓	✓	433	3190	20	12.6	5.392		9				
10	✓	✓	434	712	10	14.1	6.303	re-drawn	10				
11	✓	✓	435	3142	5	13.6	7.222		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				

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.