

Dissolved Oxygen Analysis Log Sheet

Institute of Ocean Sciences
Water Properties Group

BLUE

Last Updated: March 2014

Cruise and Analysis Information		Nisk ID	Nisk Int V	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:	2014-20	1		1	311					1				
Event:	1	2		2	3190	100				2				
Station:	EF03	3		3	3142	75				3				
Event Date (Local):	26 June 2014	4		4	2014	50		→		4	621			
Analysis Date (Local):	26 June 2014	5		5	2049	30				5				
Analyst:	KS	6		6	3209	20		→		6	1053			
Stdization Date (Local):	26 June 2014	7		7	712	10				7				
KIO ₃ N:	0.0103040	8		8	2090	0				8				
Standard Titer:	0.7310	9								9				
Blank Titer:	0.0032	10								10				
THIO N:	0.14171	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) 1962	16								16				
	(KIO ₃) 1402WP	17								17				
	THIO	18								18				
Notes:	Blocked by log boom.	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

Blue.

Cruise and Analysis Information		Nisk ID	Nisk Int V 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:	2014-20	1		9	510	47	9.1	2.367		1				
Event:	2	2		10	2098	30	9.0	2.501	→	2	2061	9.9	2.509	probably late. curve a bit
Station:	EFO4	3		11	2097	20	9.0	3.037	→	3	611	9.1	3.034	noisy.
Event Date (Local):	26 June 2014	4		12	3067	10	9.3	4.945		4				
Analysis Date (Local):	26 June 2014	5		13	468	0	18.5	6.910		5				
Analyst:	KS	6								6				
Stdization Date (Local):	26 June 2014	7								7				
KIO ₃ N:	0.0103040	8								8				
Standard Titer:	0.7310	9								9				
Blank Titer:	0.0032	10								10				
THIO N:	0.14172	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)	NaOH/NaOH	15								15				
NOTE NEW BATCH IN LOG BOOK	H ₂ SO ₄	16								16				
	KIO ₃	17								17				
	THIO	18								18				
Notes:	ran a dummy sample @ start.	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

GREEN

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:	2014-20	1			14	3084	197	8.8	0.059		1				
Event:	3	2			15	3010	175	8.8	0.059		2				
Station:	EFO5	3			16	2035	150	8.8	0.064	→	3	2069	8.9	0.060	
Event Date (Local):	26 June 2014	4			17	396	125	8.8	1.295		4				
Analysis Date (Local):	26 June 2014	5			18	3032	100	8.9	1.447		5				
Analyst:	KS	6			19	3033	75	8.9	1.720	→	6	3022	9.0	1.717	
Stdization Date (Local):	26 June 2014	7			20	552	56	8.9	2.066		7				
KIO ₃ N:	0.0103040	8		✓	21	3007	30	8.9	2.417	leaky Spigot	8				
Standard Titer:	0.7310	9			22	3104	20	9.0	3.068	→	9	708	9.1	3.073	
Blank Titer:	0.0032	10			23	3034	10	9.3	4.616		10				
THIO N:	0.14171	11			24	3014	0	18.0	6.753		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.

SILVER

Dissolved Oxygen Analysis Log Sheet

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:	2014-20	1			25	1023	145	8.9	1.427	→	1	2068	8.8	1.426	
Event:	4	2			26	3000	125	8.9	1.818		2				
Station:	EFF 06	3			27	3630	100	8.7	2.332		3				
Event Date (Local):	June 26/14	4			28	3164	75	8.8	2.218		4				
Analysis Date (Local):	26 June 2014	5			29	557	50	8.9	2.033	→	5	622	8.9	2.037	
Analyst:	KS	6			30	2092	30	8.9	2.636		6				
Stdization Date (Local):	26 June 2014	7			31	471	20	8.9	2.960		7				
KIO ₃ N:	0.0103040	8		✓	32	3643	10	9.1	4.048	still leaky	8				
Standard Titer:	0.7310	9			33	528	0	17.7	7.125		9				
Blank Titer:	0.0032	10									10				
THIO N:	0.14171	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)	Nal/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.

Dissolved Oxygen Analysis Log Sheet

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: 2014-20		1									1				
Event: 5		2			35	3084	138	7.7	3.286		2				
Station: HECI		3									3				
Event Date (Local): 30 June 2014		4			37	3010	100	8.0	3.746	→	4	2035	8.1	3.748	
Analysis Date (Local): 01 July 2014		5									5				
Analyst: KS		6			39	2069	75	8.4	4.562		6				
Stdization Date (Local): 01 July 2014		7									7				
KIO ₃ N: 0.0103040		8			41	396	50	9.5	5.715		8				
Standard Titer: 0.7310		9									9				
Blank Titer: 0.0025		10			43	3032	30	10.4	6.045	✗	10	2035			
THIO N: 0.14157		11									11				
Sample Flask Water Seal? ☒ Yes		12			45	3033	20	11.0	6.200	→	12	3022	11.0	6.205	
Reagent Change? ☒ MnCl ₂		13									13				
(Please circle reagent that was changed prior to sampling and standardization)		14			47	552	10	11.9	6.464	→	14	3007	11.9	6.470	
NOTE NEW BATCH IN LOG BOOK		15									15				
		16			49	3104	0	12.7	6.579		16				
		17									17				
		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.

Dissolved Oxygen Analysis Log Sheet

Institute of Ocean Sciences
Water Properties Group

Last Updated: March 2014

White box

Cruise and Analysis Information		Nisk ID	Nisk Int V	Sample S 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:	2014-20	1								1				
Event:	8	2		51	612	367	8.4	3.739	Vent off/open S	2				
Station:	FOCI	3								3				
Event Date (Local):	01 July 2014	4		53	3124	300	8.1	3.788		4				
Analysis Date (Local):	01 July 2014	5								5				
Analyst:	KS	6		55	2087	250	8.2	3.828	→ dup	6	3061	8.2	3.822	- was unsure of endpoint, should check.
Stdization Date (Local):	01 July 2014	7								7				
KIO ₃ N:	0.0103040	8		57	1059	200	8.2	3.809	Vent open	8				
Standard Titer:	0.7310	9							went up - vent open	9				
Blank Titer:	0.0025	10		59	2089	150	8.2	3.655	→ dup.	10	94	8.3	3.645	
THIO N:	0.14157	11								11				
Sample Flask Water Seal?	Yes	12		61	1002	100	8.2	3.762		12				
	No	13								13				
Reagent Change?	MnCl ₂	14		63	2095	75	8.1	4.441		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		65	1055	50	8.2	4.845		16				
	KIO ₃	17								17				
	THIO	18		67	2091	30	8.1	5.237		18				
Notes:		19								19				
		20		69	3016	20	8.1	5.392	→ dup	20	650	8.1	5.394	
		21								21				
		22		71	3116	10	8.9	5.845		22				
		23								23				
		24		73	2047	0	16.3	7.361		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

Blue box

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: 2014-20		1									1				
Event: 10		2			102	3111	214	8.7	3.669		2		8.7		
Station: DOUG4		3									3				
Event Date (Local): 02 July 2014		4			104	3142	200	9.6	3.694	→ dup, B sampled 1st	4	621	8.6	3.692	
Analysis Date (Local): 03 July 2014		5									5				
Analyst: KS		6			106	3190	150	8.6	3.098		6				
Stdization Date (Local): 08 July 2014		7									7				
KIO ₃ N: 0.0103040		8			108	2014	100	8.6	3.383		8				
Standard Titer: 0.7310 0.7303		9									9				
Blank Titer: 0.0025		10			110	2049	75	8.3	4.258		10				
THIO N: 0.14157 0.14171		11									11				
Sample Flask Water Seal? <u>Yes</u>		12			112	1053	50	7.7	5.554		12				
		13									13				
Reagent Change? MnCl ₂		14			114	2090	30	7.7	5.739	→ copepod swirling around in sample.	14				
(Please circle reagent that was changed prior to sampling and standardization)		15									15				
NaI/NaOH		16			116	510	20	9.	5.639	7.9°C	16				
H ₂ SO ₄		17									17				
NOTE NEW BATCH IN LOG BOOK		18			118	2061	10	9.3	7.222	→ dup 9.	18	2097	9.3	7.652	→ miz sampled?
		19									19				→ not sure what happened here.
Notes:		20			120	3067	0	15.3	7.439		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

Green box

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:	2014-20	1									1				
Event:	13	2									2				
Station:	DOUG11	3									3				
Event Date (Local):	02 July 2014	4			88	3084	343	8.2	3.765	→ dup.	4	3010	8.3	3.771	Redrawn in new flask 2056
Analysis Date (Local):	03 July 2014	5			89	2035	300	8.1	3.775		5				↳ A few minutes went by before redraw
Analyst:	KS	6			90	2069	250	8.1	3.810		6				
Stdization Date (Local):	03 July 2014	7			91	3026	200	8.5	3.777	(3021) redrawn new flask.	7				
KIO ₃ N:	0.0103040	8		✓	92	3032	150	8.4	3.480	leaky spigot	8				
Standard Titer:	0.7310 0.7303	9			93	3033	100	8.4	3.910		9				
Blank Titer:	0.0025	10			94	3022	75	8.4	4.305	→ dup	10	552	8.6	?	- filter = 0.7090. Serial line hiccup at end of filtration but almost entirely plotted.
THIO N:	0.14157 0.14171	11			95	3007	50	8.3	5.246		11				
Sample Flask Water Seal?	Yes	12			96	3104	30	8.6	5.361		12				
	No	13			97	708	20	9.0	5.346		13				
Reagent Change?	MnCl ₂	14			98	3034	10	9.8	6.413	Noisy. Many particles in sample.	14				
(Please circle reagent that was changed prior to sampling and standardization)	NaI/NaOH	15			99	3014	0			Scratch. Did not sample.	15				Chemistry bottle
NOTE NEW BATCH IN LOG BOOK	H ₂ SO ₄	16			100	2059	0	14.1	8.166	→ dup	16	3023	14.2	8.168	
	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.

Dissolved Oxygen Analysis Log Sheet

Institute of Ocean Sciences
Water Properties Group

Last Updated: March 2014

White box

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:	2014-20							1									1				
Event:	14							2									2				
Station:	DOUG 16							3									3				
Event Date (Local):	02 July 2014							4			74	612	8.1	3.748	384	4					
Analysis Date (Local):	03 July 2014							5			75	3124	8.1	3.753	350	5					
Analyst:	KS							6			76	2087	8.1	3.787	300	6	3061	8.1	3.786		
Stdization Date (Local):	03 July 2014							7			77	1059	8.1	3.795	250	7					
KIO ₃ N:	0.0103040							8			78	2089	8.1	3.670	200	8					
Standard Titer:	0.7310 0.7303							9			79	94	8.3	3.594	150	9					
Blank Titer:	0.0025							10			80	1002	8.3	3.721	100	10					
THIO N:	0.14157 0.14171							11			81	2095	8.1	4.473	75	11					
Sample Flask Water Seal?	Yes							12			82	1055	8.2	4.844	50	12					
	No							13			83	2091	8.1	5.387	30	13					
Reagent Change?	MnCl ₂							14			84	3016	8.1	5.425	20	14					
(Please circle reagent that was changed prior to sampling and standardization)	NaI/NaOH							15			85	650	9.2	5.996	10	15					
NOTE NEW BATCH IN LOG BOOK	H ₂ SO ₄							16			86	346			0	16					
	KIO ₃							17			87	2049	14.6	7.149	0	17	1035	14.7	7.147		
	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.

Dissolved Oxygen Analysis Log Sheet

Institute of Ocean Sciences
Water Properties Group

Last Updated: March 2014

Grey box

Cruise and Analysis Information								Nisk ID	Nisk Int V	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:	2014-20							1		—							1				
Event:	15							2		—							2				
Station:	Doug 26							3		—							3				
Event Date (Local):	02 July 2014							4		121	1023	392	8.0	3.704		4					
Analysis Date (Local):	02 July 2014							5		122	2068	350	7.9	3.728		5					
Analyst:	KS							6		123	3000	300	7.9	3.772		6					
Stdization Date (Local):	03 July 2014							7		124	3030	250	8.0	3.813	-dup	7	3164	8.0	3.811		
KIO ₃ N:	0.0103040							8	✓	125	557	200	8.0	3.848	leaky spig	8					
Standard Titer:	0.7303							9		126	622	150	8.1	3.653		9					
Blank Titer:	0.0025							10		127	2092	100	8.1	3.841		10					
THIO N:	0.14171							11		128	471	75	8.0	4.553		11					
Sample Flask Water Seal?	Yes							12	✓	129	3043	50	8.1	4.721	leaky spig	12					
	No							13		130	528	30	8.0	5.236		13					
Reagent Change?	MnCl ₂							14		131	3047	20	8.1	5.331		14					
(Please circle reagent that was changed prior to sampling and standardization)	Na/NaOH							15		132	3009	10	8.8	6.035		15					
NOTE NEW BATCH IN LOG BOOK	H ₂ SO ₄							16		133	371	0	13.3	7.694	-dup A bit noisy. Please check.	16	2099	13.4	7.703	Also noisy Please check.	
	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.

Dissolved Oxygen Analysis Log Sheet

Institute of Ocean Sciences
Water Properties Group

Blue metal Box 1

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:	2014-20	1									1				
Event:	16	2									2				
Station:	KSK1	3									3				
Event Date (Local):	03 July 2014	4			135	1174	370	8.2	3.408		4				
Analysis Date (Local):	03 July 2014	5			136	1134	350	8.3	3.415		5				
Analyst:	KS	6			137	1142	300	8.1	3.554	→ dup	6	1177	8.2	3.554	
Stdization Date (Local):	03 July 2014	7			138	1127	250	8.1	3.641		7				
KIO ₃ N:	0.0103040	8									8				
Standard Titer:	0.7303	9									9				
Blank Titer:	0.0025	10									10				
THIO N:	0.14171	11			142	1125	200	8.1	3.778		11				
Sample Flask	Yes	12			143	1150	150	8.1	3.822		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			147	1188	100	8.1	3.959		16				
	KIO ₃	17			148	1180	175	7.9	4.392	→ dup	17	1192	8.1	4.389	
	THIO	18			149	1106	50	7.9	4.785		18				
Notes:		19			150	1119	30	7.9	5.152		19				
		20			151	1141	20	7.9	5.398		20				
		21			152	1158	10	12.7	8.582	8.9 Noisy curve. Many particles	21				
		22			153	1146	10	12.6	8.857	→ dup	22	1123	12.7	8.844	Also noisy. Looks like a lot of phytoplankton in sample.
		23								Probably late. Please check.	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

Blue Metal Box # 3

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:	2014-20	1									1				
Event:	21	2									2				
Station:	DOUG45	3									3				
Event Date (Local):	03 July 2014	4			155	1404	450	7.7	3.406		4				
Analysis Date (Local):	04 July 2014	5			156	1401	400	7.8	3.426	→ dup	5	1426	7.9	3.428	
Analyst:	KS	6			157	1418	350	7.8	3.476		6				
Stdization Date (Local):	03 July 2014	7			158	1416	300	7.8	3.557		7				
KIO ₃ N:	0.0103040	8		✓	159	1409	250	7.9	3.619	L.S	8				
Standard Titer:	0.7303	9			160	1446	200	8.0	3.769		9				
Blank Titer:	0.0025	10			161	1427	150	8.0	3.875		10				
THIO N:	0.14171	11			162	1443	100	8.0	4.252		11				
Sample Flask Water Seal?	Yes	12			163	1422	75	8.0	4.588	→ Funny but endpoint seems ok.	12				
	No	13			164	1434	50	8.1	4.686	→ same as above. Reboot.	13				
Reagent Change?	MnCl ₂	14			165	1411	30	8.2	4.881	→ dup	14	1407	8.3	4.880	
(Please circle reagent that was changed prior to sampling and standardization)	NaI/NaOH	15			166	1402	20	8.3	5.096		15				
NOTE NEW BATCH IN LOG BOOK	H ₂ SO ₄	16			167	1417	10	8.9	5.361		16				
	KIO ₃	17			168	1428	0	10.1	7.450	→ dup Very noisy. Lots of phyto-in sample.	17	1408	10.1	7.445	Also very noisy.
	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.

Dissolved Oxygen Analysis Log Sheet

Institute of Ocean Sciences
Water Properties Group

Last Updated: March 2014

Green box.

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:	2014-20	1									1				
Event:	26	2			171	3084	500	7.7	3.256		2				
Station:	SC61	3									3				
Event Date (Local):	03 July 2014	4			173	2056	400	7.7	3.431	→ dup	4	2035	7.7	3.433	
Analysis Date (Local):	03 July 2014	5									5				
Analyst:	KS	6			175	2069	300	7.7	3.474		6				
Stdization Date (Local):	04 July 2014	7									7				
KIO ₃ N:	0.0103040	8			✓ 177	3021	200	7.7	3.606	L/S	8				
Standard Titer:	0.7303	9									9				
Blank Titer:	0.0025	10			179	3032	150	7.9	3.873		10				
THIO N:	0.14171	11									11				
Sample Flask Water Seal?	Yes	12			181	3033	100	7.9	4.088		12				
	No	13									13				
Reagent Change?	MnCl ₂	14			183	3022	75	8.1	4.692		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			185	552	50	7.9	4.800	→ dup	16	3007	8.1	4.798	
	KIO ₃	17									17				
	THIO	18			187	3104	30	9.4	5.822		18				
Notes:		19									19				
		20			189	708	20	9.6	6.050		20				
		21									21				
		22			191	3034	10	10.8	6.779	→ dup Noisy but endpoint looks ok.	22	3014	10.9	6.775	Also a bit noisy but ok.
		23									23				
		24			193	3023	0	11.1	6.945	Very noisy	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

Blue Box

Cruise and Analysis Information		Nisk ID	Nisk Int V	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:	2014-20	1		194	311	376	7.9	3.306	small bubble under stopper. Sample ID	1				
Event:	32	2		195	3142	360	7.8	3.325	incorrect. 19 instead of 194	2				
Station:	SC74	3		198	621	250	7.9	3.493		3				
Event Date (Local):	04 July 2014	4		197	3190	200	8.0	3.585		4				
Analysis Date (Local):	04 July 2014	5		198	2014	250	8.1	3.687		5				
Analyst:	KS	6		199	2049	100	8.1	4.005	→ dup	6	1053	8.2	4.009	
Stdization Date (Local):	05 July 2014	7		200	2090	75	8.2	4.409		7				
KIO ₃ N:	0.0103040	8		201	510	50	8.5	5.103	→ dup leaky spigot	8	2061			Messy curve. bubble problem
Standard Titer:	0.7303	9		202	2097	30	9.2	5.582	dup	9	2061	9.3	5.573	OT = 0.331 mL/L (0.072 mL)
Blank Titer:	0.0025	10		203	3067	20	9.7	5.915		10				
THIO N:	0.14188	11		204	3118	10	10.5	6.562		11				
Sample Flask	Yes	12		205	2098	0	10.9	6.891	→ dup	12	3209	11.0	6.880	Noisy curve.
Water Seal?	No	13								13				
Reagent Change?	MnCl ₂	14								14				
(Please circle reagent that was changed prior to sampling and standardization)	Nal/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.

Dissolved Oxygen Analysis Log Sheet

Institute of Ocean Sciences
Water Properties Group

Last Updated: March 2014

White box

Cruise and Analysis Information		Nisk ID	Nisk Int V	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:	2014-20	1			217	612	253	7.8	3.115		1				
Event:	33	2			218	3124	200	7.8	3.512	→ dup	2	2087	7.9	3.516	
Station:	CS84	3			219	3061	150	8.0	3.695		3				
Event Date (Local):	04 July 2014	4			220	1059	100	8.2	4.060		4				
Analysis Date (Local):	04 July 2014	5			221	2089	75	8.5	4.505		5				
Analyst:	KS	6			222	94	50	9.2	5.720 5.193		6				
Stdization Date (Local):	05 July 2014	7			223	1002	30	10.1	5.720	Wrong sample ID and flask ID entered. Requires recalculation	7				
KIO ₃ N:	0.0103040	8			224	2095	20	11.2	6.114		8				
Standard Titer:	0.7303	9			225	1055	10	12.3	6.591		9				
Blank Titer:	0.0025	10			226	2091	0	12.8	6.663	dup	10	3016	12.8	6.664	
THIO N:	0.1416 0.14163	11			227						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)	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				

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.