

Dissolved Oxygen Analysis Log Sheet

Institute of Ocean Sciences
Water Properties Group

Last Updated: March 2014

Bender

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:	2015-03	1			1	2084				not sampled - shallower at station than	1				
Event:	01	2			2	3134	350	8.5	5.415	d=330 - incorrect sample ID	2				
Station:	CHPI	3			3	3129	300	8.5	5.423	- incorrect sample ID.	3	2016	8.5	5.409	- incorrect sample ID
Event Date (Local):	2015-MAR-06	4			4	2016	300		5.396		4				
Analysis Date (Local):	08 Mar 2015	5			5	3089	250	8.3	5.390	5.396	5				
Analyst:	KS	6			6	2014	200	8.4	5.391	5.390	6				
Stdization Date (Local):	08 Mar 2015	7			7	557	150	8.2	5.386	5.391	7				
KIO ₃ N:	0.0099666	8			8	1465	100	8.3	5.386	- Please check, May be early	8				
Standard Titer:	0.7080	9			9	94	75	8.2	5.382		9	2063	8.2	5.377	
Blank Titer:	0.0027	10			10	2063	75				10				
THIO N:	0.14171	11			11	3118	50	8.1	5.356		11				
Sample Flask Water Seal?	Yes	12			12	3076	30			13. #1c hot tipped. Flop up	12				
Reagent Change?	MnCl ₂	13			13	2099	20	8.1	5.327		13				
(Please circle reagent that was changed prior to sampling and standardization)	NaI/NaOH	14			14	3068	10	8.2	5.303		14				
NOTE NEW BATCH IN LOG BOOK	H ₂ SO ₄	15			15	611	0	8.1	5.306	Box: Bender	15				
	KIO ₃	16									16				
	THIO	17									17				
Notes:	5th used for training purposes.	18									18				
	Sample KS, DW	19									19				
	Fix KS, DW	20									20				
		21									21				
		22									22				
		23									23				
		24									24				

Bottle integrity: First test the top vent (V) by opening the lower spigot (S) then test the spigot by opening the vent. Mark 'x' in the appropriate column if either fails the integrity check and explain this in the comments column.



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Sperm WHALE

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:	2015-03	1		15	3101	137	8.2	3.623	→	1	3053	8.2	3.617	
Event:	6	2								2				
Station:	HECI	3		17	3062	100	9.4	5.557		3				
Event Date (Local):	7 March 2015	4								4				
Analysis Date (Local):	08 March 2015	5		19	3068	75	9.6	5.993		5				
Analyst:	KS	6								6				
Stdization Date (Local):	08 March 2015	7		21	3133	50	9.5	6.317	→	7	3144	9.6	6.318	
KIO ₃ N:	0.0099666	8								8				
Standard Titer:	0.7080	9		23	3066	30				9				bottle did not fire. sticky trigger
Blank Titer:	0.0027	10		23	3066	30	9.4	6.426		10				
THIO N:	0.14171	11		25	3131	20	9.3	6.485		11				
Sample Flask	Yes	12								12				
Water Seal?	No	13		27	3146	10	9.3	6.583		13				
Reagent Change?	MnCl ₂	14								14				
(Please circle reagent that was changed prior to sampling and standardization)	NaI/NaOH	15		29	3099	0	9.3	6.598		15				
	H ₂ SO ₄	16								16				
NOTE NEW BATCH IN LOG BOOK	KIO ₃	17								17				
	THIO	18								18				
Notes:		19								19				
		20								20				
		21								21				
		22								22				
		23								23				
		24								24				

Bottle integrity: First test the top vent (V) by opening the lower spigot (S) then test the spigot by opening the vent. Mark 'x' in the appropriate column if either fails the integrity check and explain this in the comments column.

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Sperm whale

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:	2015-03	1			41	690	248	8.7	4.328		1				
Event:	14	2			42	2017	248	8.5	4.329		2				
Station:	CS84	3			43	3009	200	8.6	4.587		3				
Event Date (Local):	07 March 2015	4			44	2019	150	8.7	4.996	→	4	3051	8.8	4.990	
Analysis Date (Local):	08 March 2015	5			45	3035	100	9.0	5.880		5				
Analyst:	KS	6			46	3073	175	8.9	5.976		6				
Stdization Date (Local):	08 March 2015	7			47	2094	50	8.7	6.060		7				
KIO ₃ N:	0.0099666	8			48	3095	30	8.6	6.076		8				
Standard Titer:	0.7080	9			49	3086	20	8.6	6.109		9				
Blank Titer:	0.0027	10			50	3085	10	8.5	6.194	→	10	1422	8.5	6.196	
THIO N:	0.14171	11			51	3209	0	8.3	6.434		11				
Sample Flask	Yes	12			52	196	0	8.3			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.

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Water Properties Group

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Sea Turtle

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:	2015-03	1			53	1015	374	8.0	3.329	-Floater	1				
Event:	15	2			54	650	350	8.2	3.382		2				
Station:	5C74	3			55	2040	300	8.2	3.728	→	3	1411	8.2	3.730	
Event Date (Local):	07 March 15	4			56	2000	250	8.5	4.504		4				
Analysis Date (Local):	08 March 15	5			57	1409	200	8.7	4.898		5				
Analyst:	KS	6			58	3072	150	8.9	5.504		6				
Stdization Date (Local):	08 March 2015	7			59	3041	100	8.9	5.765		7				
KIO ₃ N:	0.0099666	8			60	510	75	8.8	5.859		8				
Standard Titer:	0.7080	9			61	3005	50	8.7	5.969	-Bubble under stopper	9				
Blank Titer:	0.0027	10			62	3029	30	8.5	6.098	→	10	612	8.5	6.101	
THIO N:	0.14171	11			63	3074	20	8.2	6.175	-Slightly noisy. Check endpoint.	11				
Sample Flask Water Seal?	Yes	12			64	3037	10	8.1	6.299		12				
	No	13			65	2075	0	8.1	x	Poor curve. Bubble or lens. OT	13				
Reagent Change?	MnCl ₂	14								FT = 1.132 mL	14				
(Please circle reagent that was changed prior to sampling and standardization)	NaI/NaOH	15								OT i.e. = 0.058 mL	15				
	H ₂ SO ₄	16								OT was much cleaner.	16				
NOTE NEW BATCH IN LOG BOOK	KIO ₃	17									17				
	THIO	18									18				
Notes:		19									19				
		20									20				
		21									21				
		22									22				
		23									23				
		24									24				

Bottle integrity: First test the top vent (V) by opening the lower spigot (S) then test the spigot by opening the vent. Mark 'x' in the appropriate column if either fails the integrity check and explain this in the comments column.

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Sea turtle

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:	2015-03	1		68	2086	505	8.0	3.141	→	1	2088	7.9	3.138							
Event:	22	2		—						2										
Station:	SC61	3		70	3031	400	8.0	3.309		3										
Event Date (Local):	08 March 2015	4		—						4										
Analysis Date (Local):	08 March 2015	5		72	1404	300	8.3	3.794		5										
Analyst:	KS	6		—						6										
Stdization Date (Local):	08 March 2015	7		74	10521	250	8.5	4.061		7										
KIO ₃ N:	0.0099666	8		—						8										
Standard Titer:	0.7080	9		76	2025	200	8.7	4.928		9										
Blank Titer:	0.0027	10		—						10										
THIO N:	0.14171	11		78	1418	150	8.9	5.378	→	11	2097	8.9	5.368							
Sample Flask	Yes	12		—						12										
Water Seal?	No	13		80	3137	100	8.9	5.786		13										
Reagent Change?	MnCl ₂	14		—						14										
(Please circle reagent that was changed prior to sampling and standardization)	NaI/NaOH	15		82	708	25	8.7	6.055	50	15										
NOTE NEW BATCH IN LOG BOOK	H ₂ SO ₄	16		—						16										
	KIO ₃	17		84	3042	20	8.6	6.141	30	17										
	THIO	18		—						18										
Notes:		19		86	2061	30	8.4	6.306	20 →	19	1050	8.4	6.307							
		20		—						20										
		21		88	3104	20	8.3	6.500	10	21										
		22		—						22										
		23		90	621		8.1	6.666	0	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.

SHARK

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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: 2015-03		1	✓	92	E28	458	8.1	3.132		1				
Event: 27		2	✓	93	2092	400	8.0	3.136		2				
Station: DOUG 45		3	✓	94	622	356	8.1	3.282		3				
Event Date (Local): 08 March 15		4	✓	95	3094	300	8.1	3.448		4				
Analysis Date (Local): 08 March 2015		5	✓	96	3000	200	8.5	4.159	250	5				
Analyst: KS		6	✓	97A	639	150	8.8	5.017	200 →	6	97	2065	8.8	5.015
Stdization Date (Local): 08 March 2015		7	✓	98	1408	100	8.8	5.225	150	7				
KIO ₃ N: 0.0099666		8	✓	99	1233	75	8.8	5.635	100	8				
Standard Titer: 0.7080		9	✓	100	2098	80	8.8	5.725	75	9				
Blank Titer: 0.0027		10	✓	101	570	30	8.8	5.449	50	10				
THIO N: 0.14171		11	✓	102	3111	20	8.8	5.525	30	11				
Sample Flask Water Seal? ☒ Yes ☐ No		12	✓	103A	1407	20	8.7	5.580	20 →	12	103	2043	8.7	5.576
Reagent Change? ☒ MnCl ₂ ☐ NaI/NaOH ☐ H ₂ SO ₄ ☐ KIO ₃ ☐ THIO		13	✓	104	631	10	8.5	5.833	10	13				
(Please circle reagent that was changed prior to sampling and standardization)		14	X	106	2050	0	8.1	6.517	overent open	14				
NOTE NEW BATCH IN LOG BOOK		15								15				
		16								16				
		17								17				
		18								18				
Notes:		19								19				
		20								20				
		21								21				
		22								22				
		23								23				
		24								24				

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SEA TURTLE

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:	2015-03	1	✓	✓	107	1015	213	8.3	3.317		1				
Event:	29	2	✓	✓							2				
Station:	DOUG4	3	✓	✓	109	650	200	8.3	3.363	→	3	2040	8.3	3.363	
Event Date (Local):	08 March 2015	4									4				
Analysis Date (Local):	09 March 2015	5	✓	✓	111	1411	150	8.3	3.660		5				
Analyst:	KS	6									6				
Stdization Date (Local):	09 March 2015	7	✓	✓	113	2000	100	8.9	4.178		7				
KIO ₃ N:	0.0099666	8									8				
Standard Titer:	0.7083	9	✓	✓	115	1409	75	9.0	4.405	→	9	3072	9.0	4.404	
Blank Titer:	0.0023	10									10				
THIO N:	0.14157	11	✓	✓	117	3041	50	8.5	5.308		11				
Sample Flask	Yes	12									12				
Water Seal?	No	13	✓	✓	119	510	30	8.3	5.461		13				
Reagent Change?	MpCl ₂	14									14				
(Please circle reagent that was changed prior to sampling and standardization)	Nal/NaOH yes	15			121	3005	20	8.3	5.510	→	15	3029	8.3	5.510	
NOTE NEW BATCH IN LOG BOOK	H ₂ SO ₄	16									16				
	KIO ₃	17			123	612	10	8.0	5.685		17				
	THIO	18									18				
Notes:	#1401 prepared 17 March '14	19			125	3074	0	7.5	6.719		19				
		20									20				
		21									21				
		22									22				
		23									23				
		24									24				

Bottle integrity: First test the top vent (V) by opening the lower spigot (S) then test the spigot by opening the vent. Mark 'x' in the appropriate column if either fails the integrity check and explain this in the comments column.

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Water Properties Group

SEA TURTLE

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:	2015-03	1	✓✓	127	2075	317	7.9	2.964		1				
Event:	3032	2	✓✓	128	2086	300	7.8	2.972		2				
Station:	DOUG11	3	✓✓	129	2088	250	7.8	3.242		3				
Event Date (Local):	08 Mar 2015	4	✓✓	130	3081	200	8.5	3.937		4				
Analysis Date (Local):	09 Mar 2015	5	✓✓	131	1404	150	8.7	4.346		5				
Analyst:	KS.	6	✓✓	132	1054	100	8.9	4.823	→	6	2025	8.9	4.824	
Stdization Date (Local):	09 Mar 2015	7	✓✓	133	1418	75	8.9	5.236		7				
KIO ₃ N:	0.009666	8	✓✓	134	2017	50	8.8	5.559	→	8	3137	8.8	5.563	
Standard Titer:	0.7083	9	✓✓	135	708	30	8.8	5.526		9				
Blank Titer:	0.0672	10	✓✓	136	3042	20	8.5	5.535		10				
THIO N:	0.14157	11	✓✓	137	2061	10	8.3	5.845		11				
Sample Flask Water Seal?	Yes	12	✓✓	138	1050	0	8.1	7.118	Capped in sample. Titration ok	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				
NOTE NEW BATCH IN LOG BOOK	H ₂ SO ₄	16								16				
	KIO ₃	17								17				
	THIO	18								18				
Notes:		19								19				
		20								20				
		21								21				
		22								22				
		23								23				
		24								24				

Bottle integrity: First test the top vent (V) by opening the lower spigot (S) then test the spigot by opening the vent. Mark 'x' in the appropriate column if either fails the integrity check and explain this in the comments column.

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whale

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:	2015-03	1			140	3101	380	8.2	2.800		1				
Event:	33	2			141	3053	300	7.9	3.028		2				
Station:	DOUG16	3			142	3062	250	8.2	3.527	→	3	2068	8.3	3.535	
Event Date (Local):	08 Mar 2015	4			143	3133	200	8.6	4.138		4				
Analysis Date (Local):	09 Mar 2015	5			144	3144	150	8.8	4.658		5				
Analyst:	KS	6			145	3066	100	9.0	5.101		6				
Stdization Date (Local):	09 Mar 2015	7			146	3131	75	8.7	5.493		7				
KIO ₃ N:	0.0099666	8			147	3146	50	8.7	5.566		8				
Standard Titer:	0.7083	9			148	3099	30	8.7	5.570		9				
Blank Titer:	0.0023	10			149	3050	20	8.6	5.548	→	10	690	8.6	5.547	
THIO N:	0.14157	11			150	2017	10	8.4	3.757		11				
Sample Flask Water Seal?	Yes	12			151	3009	0	8.3	6.704		12				
Reagent Change?	MnCl ₂	13									13				
(Please circle reagent that was changed prior to sampling and standardization)	NaI/NaOH	14									14				
NOTE NEW BATCH IN LOG BOOK	H ₂ SO ₄	15									15				
	KIO ₃	16									16				
	THIO	17									17				
Notes:		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.

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WHALE

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:	2015-03	1			153	3051	342	8.0	-99.00	-sample spilled when placing on stirrer. Sample lost.	1				
Event:	34	2									2				
Station:	FOC1	3			155	3035	300	8.0	3.132		3				
Event Date (Local):	09 March 15	4									4				
Analysis Date (Local):	09 Mar 2015	5			157	3073	250	8.4	3.714		5				
Analyst:	KS	6									6				
Stdization Date (Local):	09 Mar 2015	7			159	2094	200	8.7	4.185		7				
KIO ₃ N:	0.0099666	8									8				
Standard Titer:	0.7683	9			161A	3095	150	8.9	4.666	→	B 9	3086	8.9	4.662	
Blank Titer:	0.0023	10									10				
THIO N:	0.14157	11			163	3085	100	9.0	5.261	- Check endpoint. A bit funny @ end.	11				
Sample Flask	Yes	12									12				
Water Seal?	No	13			165	1422	75	9.0	5.586		13				
Reagent Change?	MnCl ₂	14									14				
(Please circle reagent that was changed prior to sampling and standardization)	NaI/NaOH	15			167	3209	50	9.0	5.557		15				
NOTE NEW BATCH IN LOG BOOK	H ₂ SO ₄	16									16				
	KIO ₃	17			169	196	30	8.8	5.571		17				
	THIO	18									18				
Notes:		19			171	3108	20	8.7	5.593		19				
		20									20				
		21			173	1175	10	8.5	5.856		21				
		22									22				
		23			175A	468	0	8.2	6.334	→ Noisy. Please check.	B 23	3142	8.3	6.341	slow leak
		24									24				

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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:	2015-03	1			177	2084	393	8.7	2.993		1				
Event:	38	2			178	3134	350	8.9	3.018		2				
Station:	DOUG26	3			179A	3129	300	9.0	3.100	→	3	2016	9.2	3.095	
Event Date (Local):	09 March 2015	4			180	3089	250	9.3	3.476		4				
Analysis Date (Local):	09 Mar 2015	5			181	2014	200	9.9	4.376		5				
Analyst:	KS	6			182	557	150	10	4.661		6				
Stdization Date (Local):	09 Mar 2015	7			183	1465	100	10.1	5.617		7				
KIO ₃ N:	0.0099666	8			184	94	75	10.1	5.736		8				
Standard Titer:	0.7083	9			185A	2063	50	9.9	5.548	→	9	3118	9.7	5.550	
Blank Titer:	0.0023	10			186	3076	30	9.4	5.580		10				
THIO N:	0.14157	11			187	2099	20	9.5	5.689		11				
Sample Flask	Yes	12			188	611	10	9.1	6.137		12				
Water Seal?	No	13			189	3068	0	9.2	6.399		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.

BENDER

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:	2015-03	1			191	3033	290	\	3.638		1				draw T not working
Event:	DOUG31-39	2			192	1459	250	\	4.047		2				Draw T not working
Station:	DOUG31	3			193	3109	200	\	4.710		3				
Event Date (Local):	09 Mar 2015	4			194	3002	150	\	4.988	→	4	1442	\	4.989	
Analysis Date (Local):	09 Mar 2015	5			195	2020	100	\	5.634		5				
Analyst:	KS	6			196	3121	75	\	5.719		6				
Stdization Date (Local):	09 Mar 2015	7			197	569	50	\	5.607		7				
KIO ₃ N:	0.0099666	8			198	3070	30	\	5.543		8				incorrect
Standard Titer:	0.7083	9			199	3164	20	\	5.723	→	9	1460	\	5.728	incorrect flask ID, and sample ID and depth → must recalculate
Blank Titer:	0.0023	10			200	1470	10	\	6.402		10				
THIO N:	0.14157	11			201	658	0	\	6.744		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.

THE OCTOPUS

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:	2015-03	1			203	3008	391	7.9	3.044		1				
Event:	43	2			204	3107	350	7.9	3.146		2				
Station:	DOUG40	3			205	2015	300	8.0	3.293		3				
Event Date (Local):	09 Mar 2015	4			206	3075	250	8.2	3.590		4				
Analysis Date (Local):	09 Mar 2015	5			207	3120	200	8.5	4.497	→	5	3103	8.5	4.500	3110
Analyst:	KS	6			208	3145	150	8.7	5.115		6				
Stdization Date (Local):	09 Mar 2015	7			209	3054	100	8.7	5.374		7				
KIO ₃ N:	0.0099666	8			210	3032	75	8.7	5.753		8				
Standard Titer:	0.7083	9			211	1429	50	8.7	5.815		9				
Blank Titer:	0.0023	10			212	3148	30	8.6	5.535		10				
THIO N:	0.1418757	11			213	3147	20	8.5	5.476	→	11	3143	8.5	5.476	
Sample Flask	Yes	12			214	3158	10	-99	5.618		12				
Water Seal?	No	13			215	1406	0	-99	X	was labeled but was not sampled	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.

Dissolved Oxygen Analysis Log Sheet

Institute of Ocean Sciences
Water Properties Group

Last Updated: March 2014

Octopus

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:	2015-03	1	✓	✓	218	3008	201	8.5	4.543		1				
Event:	51	2	✓	✓	219	3107	200	8.5	4.567		2				
Station:	GC38	3	✓	✓	220A	2015	150	8.5	5.044	→	3	3075	8.6	5.050	
Event Date (Local):	09 Mar 2015	4	✓	✓	221A	3120	100	8.5	5.196	→	4	3110	8.5	5.195	
Analysis Date (Local):	10 Mar 2015	5	✓	✓	222	3145	75	8.4	5.312		5				
Analyst:	KS	6	✓	✗	223	3059	50			EMPTY - May have closed @ stc.	6				
Stdization Date (Local):	09 Mar 2015	7	✓	✓	224	2032	30	8.2	5.425	wrong depth inputted into AutoOxy	7				
KIO ₃ N:	0.0099666	8	✓	✓	225	1429	20	8.1	5.464		8				
Standard Titer:	0.7083	9	✓	✓	226	3148	10	8.1	X	slurser turned off during titration,	9				
Blank Titer:	0.0023	10	✓	✓	227	3147	0	8.3	6.360	Dispense 1.031 mL spit sample	10				
THIO N:	0.14157	11			228					lost - Spiked with 2 mL KIO ₃	11				
Sample Flask	Yes	12								FI 7031 mL	12				
Water Seal?	No	13								OT = 0.0067 mL	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.

Dissolved Oxygen Analysis Log Sheet

Last Updated: March 2014

Institute of Ocean Sciences
Water Properties Group

Octopus

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:	2015-03	1			232	3158	492	7.7	3.389		1				
Event:	57	2			233A	1406	450	7.3	3.398	→	B 2	3057	7.2	3.398	
Station:	GC 51	3			234	3052	400	7.3	3.408		3				
Event Date (Local):	10 March 2015	4			235	3125	380	7.3	3.406		4				
Analysis Date (Local):	16 March 2015	5			236	3103	360	7.2	3.410		5				
Analyst:	KS	6			237	3117	250	7.2	3.418		6				
Stdization Date (Local):	09 Mar 2015	7			238	3138	200	7.2	3.421		7				
KIO ₃ N:	0.0099666	8			239	3106	150	7.6	3.842		8				
Standard Titer:	0.7083	9			240	3059	100	8.1	4.445		9				
Blank Titer:	0.0023	10			241A	3049	75	7.9	4.702	→	B 10	3132	8.0	4.708	
THIO N:	0.14157	11			242	3048	50	7.8	4.748		11				
Sample Flask	Yes	12			243	3044	30	7.8	4.891		12				
Water Seal?	No	13			244	3065	20	7.7	5.067		13				
Reagent Change?	MnCl ₂	14			245	3056	10	7.6	8.256		14				
(Please circle reagent that was changed prior to sampling and standardization)	NaI/NaOH	15			246	3046	0	6.3	7.784	incorrect flask ID. Used 3041 instead of 3046. Must recalculate.	15				
NOTE NEW BATCH IN LOG BOOK	H₂SO₄	16									16				
	KIO₃	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

whale

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:	2015-03	1	✓	✓	250	3101	387	8.0	3.223		1				
Event:	75	2	✓	✓	251 ^A	3053	350	8.0	3.323 →		B 2	2094	8.0	3.321	
Station:	UC45	3	✓	✓	252	3062	300	8.1	3.383		3				
Event Date (Local):	10 Mar 2015	4	✓	✓	253	2068	250	8.2	3.570		4				
Analysis Date (Local):	11 Mar 2015	5	✓	✓	254	3133	200	8.5	4.100		5				
Analyst:	KS	6	✓	✓	255	3144	150	8.6	4.552		6				
Stdization Date (Local):	11 Mar 2015	7	✓	✓	256	3066	100	8.6	5.227		7				
KIO ₃ N:	0.0099666	8	✓	✓	257	3131	75	8.5	5.455		8				
Standard Titer:	0.7080	9	✓	✓	258	3146	50	8.5	5.347		9				
Blank Titer:	0.0023	10	✓	✓	259 ^A	3099	30	8.5	5.517 →		B 10	690	8.5	5.518	
THIO N:	0.14163	11	✓	✓	260	2019	20	8.2	5.727		11				
Sample Flask	Yes	12	✓	✓	261	2017	10	8.1	5.993		12				
Water Seal?	No	13	✓	✓	262	3009	0	8.0	6.364		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	H₂SO₄	16									16				
	KIO₃	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

Bender

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:	2015-03	1			263	2084	8.0	435	3.284	435	1				
Event:	81	2			264	3134	7.9	400	3.279		2				
Station:	FR56	3			265	3129	8.0	350	3.305		3				
Event Date (Local):	10 Mar 2015	4			266	2016	8.0	300	3.385		4				
Analysis Date (Local):	11 Mar 2015	5			267A	3089	8.1	250	3.632	B	5	2014	8.1	3.627	
Analyst:	KS	6			268	557	8.2	200	3.924		6				
Stdization Date (Local):	11 Mar 2015	7			269	1465	8.3	150	4.544		7				
KIO ₃ N:	0.0099666	8			270A	94	8.5	100	4.959	B	8	2063	8.5	4.956	
Standard Titer:	0.7080	9			271	3118	8.8	75	5.417		9				
Blank Titer:	0.0623	10			272	3076	8.5	50	5.622		10				
THIO N:	0.14163	11			273	2099	8.3	30	5.332		11				
Sample Flask Water Seal?	Yes	12			274	611	8.3	20	5.372		12				
	No	13			275	1035	8.2	10	5.513		13				
Reagent Change?	MnCl ₂	14			276	3068	8.0	0	5.931		14				
(Please circle reagent that was changed prior to sampling and standardization)	NaI/NaOH	15			277	3033	7.9		6.330		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.

Dissolved Oxygen Analysis Log Sheet

Institute of Ocean Sciences
Water Properties Group

Last Updated: March 2014

SEA TURFIE

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:	2015-03	1			278	1015	511	7.9	3.095								1				
Event:	87	2			279	650	500	7.8	3.096								2				
Station:	WC50	3			286	2040	450	7.9	3.169								3				
Event Date (Local):	11 March 2015	4			281	1411	400	7.8	3.254								4				
Analysis Date (Local):	11 March 2015	5			282A	2000	350	7.9	3.292	→							B 5	1409	7.9	3.299	
Analyst:	KS	6			283	3072	300	8.0	3.827								6				
Stdization Date (Local):	11 March 2015	7			284	3041	250	8.2	4.343								7				
KIO ₃ N:	0.0099666	8			285	510	200	8.3	4.625								8				
Standard Titer:	0.7080	9			286	3005	150	8.3	4.639								9				
Blank Titer:	0.0023	10			287	3029	100	8.5	5.334								10				
THIO N:	0.14163	11			288	612	75	8.4	5.605								11				
Sample Flask	Yes	12			289	3074	50	8.3	5.543								12				
Water Seal?	No	13			290	3037	30	8.2	5.566								13				
Reagent Change?	MnCl ₂	14			291A	2075	20	8.1	5.879	→							B 14	2086	8.1	5.881	incorrect sample ID and depth inputted into AutoChy
(Please circle reagent that was changed prior to sampling and standardization)	NaI/NaOH	15			292	2088	10	7.9	6.257								15				
NOTE NEW BATCH IN LOG BOOK	H ₂ SO ₄	16			293	621	0	7.9	6.412								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.