

Dissolved Oxygen Analysis Log Sheet

Institute of Ocean Sciences
Water Properties Group

PLEIOSAURUS

Last Updated: July 2015



Cruise and Analysis Information		Nisk ID	Nisk Int V S	Sample ID	Flask 1	Draw T 1 (°C)	OXY-1 (mL/L)	OXY-1 Comments	Nisk ID	Sample ID	Flask 2	Draw T 2 (°C)	OXY-2 (mL/L)	OXY-2 Comments
Cruise Number:	2015-10	1		19	650	8.1	1.983	→	1	19	657	8.1	1.983	
Event:	16	2		20	658	9.1	3.152		2		6			
Station:	P-1	3	X	21	690	14.4	5.603	Spigot leaking lots, top valve open	3					
Event Date (Local):	20.8.15	4							4					
Analysis Date (Local):	24/8/15	5							5					
Analyst:	H.M.	6							6					
Stdization Date (Local):	19/8/15	7							7					
KIO ₃ N:	0.0100261	8							8					
Standard Titer:	0.42305	9							9					
Blank Titer:	0.00014	10							10					
THIO N:	0.23692	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	16							16					
	KIO ₃	17							17					
	THIO	18							18					
Notes:	MR DRAW	19							19					
	SP LEAKIN	20							20					
	MG SHAKE/WRITE	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

PLEISIOSAURUS

Last Updated: July 2015



Cruise and Analysis Information							Nisk ID	Nisk Int V S	Sample ID	Flask 1	Draw T 1 (°C)	OXY-1 (mL/L)	OXY-1 Comments	Nisk ID	Sample ID	Flask 2	Draw T 2 (°C)	OXY-2 (mL/L)	OXY-2 Comments	
Cruise Number:	2015-10						1			40	708	8.2	1.761		1					
Event:	21						2			41	712	8.0	1.797		2					
Station:	P2						3			42	715	8.4	2.540		3					
Event Date (Local):	24/8/15						4			43	745	8.4	2.519	→	4	43	1002	8.4	2.516	
Analysis Date (Local):	24/8/15						5			44	1015	8.7	2.861		5					
Analyst:	H.M.						6			45	1019	9.9	4.101		6					
Stdization Date (Local):	19/8/15						7			46	1023	12.8	6.895		7					
KIO ₃ N:	0.0100261						8			47	1035	12.9	6.971		8					
Standard Titer:	0.42305						9								9					
Blank Titer:	0.00014						10								10					
THIO N:	0.23692						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						16								16					
	KIO ₃						17								17					
	THIO						18								18					
Notes:	HM						19								19					
	MG						20								20					
	JS						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

395
225
Octopus

ADJUSTED VOLTAGE - 2.39 to 2.501

Last Updated: July 2015



Cruise and Analysis Information		Nisk ID	Nisk Int V S	Sample ID	Flask 1	Draw T 1 (°C)	OXY-1 (mL/L)	OXY-1 Comments	Nisk ID	Sample ID	Flask 2	Draw T 2 (°C)	OXY-2 (mL/L)	OXY-2 Comments
Cruise Number: 2015-10		1		113	196	4.7	0.551	TOP SPIGOT OPEN	1					
Event: 28		2		114	371	4.7	0.396		2					
Station: P4		3		115	396	4.6	0.392	SLOW DRIp →	3	115	428	4.9	0.395	✓ 39.8
Event Date (Local):		4		116	457	5.4	0.225	✓ 11	4					
Analysis Date (Local): 24/8/15		5		117	2049	5.7	0.235		5					
Analyst: H.M.		6		118	456	6.1	0.514		6					
Stdization Date (Local): 24/8/15		7		119	458	6.7	1.156	DRIp on 7 (SLOW)	7					
KIO ₃ N: 0.0100261		8		120	462	7.3	1.889		8					
Standard Titer: 0.42214		9		121	468	7.6	2.230		9					
Blank Titer: 0.00013		10		122	471	7.9	2.809		10					
THIO N: 0.23725		11		123	505	8.1	3.003		11					
Sample Flask Water Seal? Yes		12		124	510	8.3	3.283		12					
Reagent Change? MnCl ₂		13		125	528	8.4	4.595		13					
(Please circle reagent that was changed prior to sampling and standardization)		14		126	457	8.7	4.889	MAJOR DRIp FLASK 547	14					
NOTE NEW BATCH IN LOG BOOK		15		127	552	10.1	5.611	→ ON 15	15	127	557	10.2	5.597	
		16		128	569	10.9	6.301		16					
		17		129	570	13.5	6.320		17					
		18		130	575	13.6	6.344		18					
		19		131	586	13.7	6.340		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.

Notes:
ADJUSTED VOLTAGE
2.39 to 2.501
MARIE SAMPLE
HUGH PICKLE

WHALE

Dissolved Oxygen Analysis Log Sheet

Institute of Ocean Sciences
Water Properties Group

Last Updated: July 2015



Cruise and Analysis Information							Nisk ID	Nisk Int V	Nisk Int S	Sample ID	Flask 1	Draw T 1 (°C)	OXY-1 (mL/L)	OXY-1 Comments	Nisk ID	Sample ID	Flask 2	Draw T 2 (°C)	OXY-2 (mL/L)	OXY-2 Comments
Cruise Number:	2015-10						1			208	3083	5.0	1.266		1	208	3084	5.3	1.261	3084 cracked
Event:	39						2			209	3085	5.2	0.532		2					
Station:	P8						3			210	3086	5.5	0.304		3					
Event Date (Local):							4			211	3088	5.8	0.236		4					
Analysis Date (Local):	24/8/15						5			212	3089	6.2	0.391		5					
Analyst:	H.M.						6			213	3090	6.8	0.564		6					
Stdization Date (Local):	24/8/15						7			214	3093	7.1	1.673		7					
KIO ₃ N:	0.0100261						8			215	3094	7.7	3.295		8					
Standard Titer:	0.42214						9			216	3095	8.3	3.867	→	9	216	3096	8.5	3.866	
Blank Titer:	0.00013						10			217	3098	9.1	4.492		10					
THIO N:	0.23725						11			218	3099	9.3	4.807		11					
Sample Flask Water Seal?	Yes						12			219	3100	9.8	4.804		12					
	No						13			220	3101	10.1	5.142		13					
Reagent Change?	MnCl ₂						14			221	3103	10.5	5.501		14					
(Please circle reagent that was changed prior to sampling and standardization)	NaI/NaOH						15			222	3104	11.9	6.232		15					
NOTE NEW BATCH IN LOG BOOK	H ₂ SO ₄						16			223	3106	11.3	6.602		16					
	KIO						17			224	3107	18.4	5.576	→	17	224	3108	18.5	5.583	
	THIO						18			225	3109	18.6	5.576		18					
Notes:							19			226	3110	18.6	5.576		19					CHAIN TOO SHORT FOR HOLDER
							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.

HUGH DRAW
MAIRA PICKLE

Dissolved Oxygen Analysis Log Sheet

Institute of Ocean Sciences
Water Properties Group

SWORDFISH

Last Updated: July 2015



Cruise and Analysis Information		Nisk ID	Nisk Int V S	Sample ID	Flask 1	Draw T 1 (°C)	OXY-1 (mL/L)	OXY-1 Comments	Nisk ID	Sample ID	Flask 2	Draw T 2 (°C)	OXY-2 (mL/L)	OXY-2 Comments
Cruise Number:	2015-10	1		322	1417	4.2	2.300	→	1					
Event:	47	2		323	1418	3.8	2.277	→	2	323	1422	4.0	2.266	
Station:	P 12	3		324	1426	3.8	2.262		3					
Event Date (Local):		4		325	1427	4.0	1.912		4					
Analysis Date (Local):	27/8/15	5		326	1429	4.2	NOTE	ABOET E.P. - POSIMAT STOPPED?	5					1.314 AFTER 10min TITRATION!
Analyst:	H.r.	6		327	1442	4.5	0.565		6					OVER →
Stdization Date (Local):	24/8/15	7		328	1446	5.1	0.335		7					
KIO ₃ N:	0.0100 261	8		329	1457	5.4	0.244		8					
Standard Titer:	0.42214	9		330	1459	5.7	0.355	→	9	330	1460	5.8	0.350	
Blank Titer:	0.00013	10		331	1465	6.1	0.759		10					
THIO N:	0.23725	11		332	1470	6.3	2.152		11					
Sample Flask Water Seal?	Yes	12		333	1472	6.8	2.973		12					
	No	13		334	2060	7.5	3.739		13					
Reagent Change?	MnCl ₂	14		335	2007	8.2	4.302		14					
(Please circle reagent that was changed prior to sampling and standardization)	NaI/NaOH	15		336	2014	8.5	4.760	→	15	336	2015	8.7	4.762	
NOTE NEW BATCH IN LOG BOOK	H ₂ SO ₄	16		337	2016	8.7	5.001		16					
	KIO ₃	17		338	2017	8.7	4.547		17					
	THIO	18		339	2019	9.5	5.257		18					
Notes:		19		340	2020	11.9	6.924		19					
		20		341	2025	17.9	5.635		20					
		21		342	2027	18.0	5.626		21					
		22		343	2032	18.0	5.626		22					
		23		344	2040			→ DID NOT TRIP	23	344	2043			
		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

Dissolved Oxygen Analysis Log Sheet

Last Updated: July 2015

Institute of Ocean Sciences
Water Properties Group

Cruise and Analysis Information		Nisk ID	Nisk Int V S	Sample ID	Flask 1	Draw T 1 (°C)	OXY-1 (mL/L)	OXY-1 Comments	Nisk ID	Sample ID	Flask 2	Draw T 2 (°C)	OXY-2 (mL/L)	OXY-2 Comments
Cruise Number:	2015-10	1		550	3049	4.2	2.706		1					
Event:	70	2		551	3046	4.6	2.656		2					
Station:	P16	3		552	3047	3.8	2.651	→	3	552	3048	4.0	2.654	
Event Date (Local):	24-08-15	4		553	3049	4.0	2.408		4					
Analysis Date (Local):	26/8/15	5		554	3050	—	—	SPIGOT MISSING	5					
Analyst:	H.M.	6		555	3051	4.2	1.729		6					
Stdization Date (Local):	24/8/15	7		556	3052	4.7	0.544		7					
KIO ₃ N:	0.000261	8		557	3053	4.9	0.307		8					
Standard Titer:	0.42214	9		558	3061	5.3	0.271		9					
Blank Titer:	0.00013	10		559	3062	5.7	0.331	→	10	559	3065	5.8	0.324	
THIO N:	0.23725	11		560	3066	6.1	0.623		11					
Sample Flask Water Seal?	Yes	12		561	3054	6.5	1.648		12					
	No	13		562	3055	6.8	2.580		13					
Reagent Change?	MnCl ₂	14		563	3067	7.3	3.419		14					
(Please circle reagent that was changed prior to sampling and standardization)	NaI/NaOH	15		564	3056	8.0	4.611		15					
NOTE NEW BATCH IN LOG BOOK	H ₂ SO ₄	16		565	3059	8.2	4.299	→	16	565	3057	8.3	4.296	
	KIO ₃	17		566	3068	8.5	4.926		17					
	THIO	18		567	3070	8.8	5.223		18					
Notes:		19		568	3072	9.8	6.029		19					
		20		569	3073	10.3	6.526		20					
		21		570	3075	11.5	7.143		21					
		22		571	3074	17.0	5.944	→	22	571	3076	17.1	5.932	
		23		572	3078	17.9	5.562		23					
		24		573	3079	17.8	5.561		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.

OC TSPUS

Dissolved Oxygen Analysis Log Sheet

Institute of Ocean Sciences
Water Properties Group

Last Updated: July 2015



Cruise and Analysis Information		Nisk ID	Nisk Int V S	Sample ID	Flask 1	Draw T 1 (°C)	OXY-1 (mL/L)	OXY-1 Comments	Nisk ID	Sample ID	Flask 2	Draw T 2 (°C)	OXY-2 (mL/L)	OXY-2 Comments
Cruise Number:	2015-10	1		647	196	4.7	2.994		1					
Event:	79	2		643	371	4.1	2.821		2					
Station:	P20	3		644	396	4.0	2.844		3					
Event Date (Local):	26.08.15	4		645	425	4.2	2.412		4					
Analysis Date (Local):	29/8/15	5		646	439	4.3	1.856	→	5	646	2049	4.4	1.834	
Analyst:	H.M.	6		647	456	4.5	1.177		6					
Stdization Date (Local):	24/8/15	7		648	458	4.9	0.483		7					
KIO ₃ N:	0.0100261	8		649	462	5.2	0.340		8					
Standard Titer:	0.42214	9		650	468	5.7	0.524	→	9	650	471	5.7	0.397	?
Blank Titer:	0.00013	10		651	505	5.8	0.519	?	10					
THIO N:	0.23725	11		652	510	6.0	0.779		11					
Sample Flask Water Seal?	Yes	12		653	528	6.3	1.607		12					
	No	13		654	547	6.5	2.373		13					
Reagent Change?	MnCl ₂	14		655	552	6.9	2.972		14					
(Please circle reagent that was changed prior to sampling and standardization)	NaI/NaOH	15		656	557	7.5	3.607		15					
NOTE NEW BATCH IN LOG BOOK	H ₂ SO ₄	16		657	569	7.7	3.855	→	16	657	570	7.9	3.853	
	KIO ₃	17		658	575	8.2	4.318		17					
	THIO	18		659	586	8.4	4.801		18					
Notes:		19		660	611	9.1	5.479		19					
		20		661	612	9.3	6.377		20					
		21		662	620	10.2	6.766		21					
		22		663	621	16.3	5.892		22					
		23		664	622	16.6	5.883		23					
		24		665	631	16.5	5.891	→	24	665	638	16.5	5.888	

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: July 2015



SHARK

Cruise and Analysis Information		Nisk ID	Nisk Int V S	Sample ID	Flask 1	Draw T 1 (°C)	OXY-1 (mL/L)	OXY-1 Comments	Nisk ID	Sample ID	Flask 2	Draw T 2 (°C)	OXY-2 (mL/L)	OXY-2 Comments
Cruise Number:	2015-10	1		809	3044	3.9	3.213		1					
Event:	99	2		810	3046	3.5	3.149		2					
Station:	P26	3		811	3047	3.5	2.919		3					
Event Date (Local):	28/8/15	4		812	3048	3.5	2.500		4					
Analysis Date (Local):	29/8/15	5		813	3049	3.9	1.935	→	5	813	3050	4.0	1.930	
Analyst:	4.m.	6		814	3051	4.0	1.218		6					
Stdization Date (Local):	24/8/15	7		815	3052	4.5	0.565		7					
KIO ₃ N:	0.0100261	8		816	3053	4.7	0.437		8					
Standard Titer:	0.42214	9		817	3054	5.2	0.390		9					
Blank Titer:	0.00013	10		818	3055	5.4	0.450		10					
THIO N:	0.23725	11		819	3056	5.7	0.621		11					
Sample Flask Water Seal?	(Yes) No	12		820	3057	5.9	1.222		12					
Reagent Change?	MnCl ₂	13		821	3059	6.0	1.802		13					
(Please circle reagent that was changed prior to sampling and standardization)	NaI/NaOH	14		822	3061	6.1	2.407	→	14	822	3062	6.3	2.414	
NOTE NEW BATCH IN LOG BOOK	H ₂ SO ₄	15		823	3063	6.5	3.077		15					
	KIO ₃	16		824	3066	6.5	3.319		16					
	THIO	17		825	3067	6.7	3.884		17					
Notes:		18		826	3068	7.4	5.374		18					
		19		827	3070	8.0	6.756		19					
		20		828	3072	8.3	6.900	→	20	828	3073	8.3	6.905	
		21		829	3074	9.2	7.044		21					
		22		830	3075	14.7	5.993		22					
		23		831	3076	15.1	5.993		23					
		24		832	3078	14.9	5.999	→	24	832	3079	14.9	5.999	

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

SWORD FISH

Last Updated: July 2015



Cruise and Analysis Information	Nisk ID	Nisk Int V S	Sample ID	Flask 1	Draw T 1 (°C)	OXY-1 (mL/L)	OXY-1 Comments	Nisk ID	Sample ID	Flask 2	Draw T 2 (°C)	OXY-2 (mL/L)	OXY-2 Comments
Cruise Number: 2015-10	1		970	1417	5.2	0.480		1	970	1418	4.8	0.525	
Event: 115	2		971	1422	5.3	0.245		2	971	1426	5.4	0.236	
Station: T4	3		972	1427	5.6	0.265		3	972	1429	5.7	0.270	
Event Date (Local): 01/9/15	4		973	1442	6.6	1.321		4	973	1446	6.7	1.325	
Analysis Date (Local): 01/9/15	5		974	1457	9.2	5.175		5	974	1459	9.3	5.227	
Analyst: U.M	6		975	1460	11.3	6.377		6	975	1465	11.4	6.378	
Stdization Date (Local): 31/8/15	7		976	1470	16.7	5.791		7	976	1472	16.8	5.813	
KIO ₃ N: 0.0100261	8		977	2000	16.6	5.793		8	977	2007	16.7	5.804	
Standard Titer: 0.42191	9							9					
Blank Titer: 0.00001	10							10					
THIO N: 0.23729	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)	15							15					
NOTE NEW BATCH IN LOG BOOK	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.