

Dissolved Oxygen Analysis Log Sheet

Institute of Ocean Sciences
Water Properties Group



Cruise and Analysis Information				Nisk ID	Nisk Int V S	Sample ID	Flask 1	Draw Temp 1 (°C)	OXY-1 (mL/L)	OXY-1 Comments	Nisk ID	Sample ID	Flask 2	Draw Temp 2 (°C)	OXY-2 (mL/L)
Cruise Number:	2022-040	1		1		1409	10.0	9.9	0.000	Anoxic.	1				
Event:	1	2		2		3057	9.9	0.000	0.000	Anoxic.	2				
Station:	SI	3		3		639	10.0	0.058			3				
Event Date (Local):	23 June 2022	4		4		3037	9.4	0.128			4				
Analysis Date (Local):	23 June 2022	5		5		969	9.4	2.761			5				
Analyst:	KS	6		6		510	9.5	4.342			6				
Stratification Date (Local):	23 June 2022	7		7		1401	10.1	4.547			7				
KIO ₃ N:	0.0120957	8		8A		3002	10.13	4.745			8	8B	3422	10.5	4.74
Standard Titer:	0.50579	9		9		951	10.0	5.026			9				
Blank Titer:	0.00047	10		10		3081	11.1	5.661			10				
THIO N:	0.23948	11		11		20	11.9	6.368			11				
Sample Flask Water Seal?	Yes	12		12A		569	15.4	8.208			12	12B	673	18.4	8.20
Reagent Change?	No	13									13				
(Please circle reagent that was changed prior to sampling and standardization)	MnCl ₂	14		1											
NOTE NEW BATCH IN LOG BOOK	H ₂ SO ₄	15		OXY											
	KIO ₃	16		SI											
	THIO	17		2022-040											
		18		Bot-5 m											
		19		bot 1											
		20		11											
		21		OXY											
		22		SI											
		23		2022-040											
		24		5 m											
				bot 11											
				bot 12											
				12A											
				OXY											
				SI											
				2022-040											
				0 m											
				bot 12											
				12B											
				OXY											
				SI											
				2022-040											
				0 m											
				bot 12											

Bottle integrity: First test the top vent (V) by opening the vent. Mark 'X' in the appropriate column if either fails the integrity check and e

Moose



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[illegible]

Bottle integrity: First test the top vent (V) by opening the cap and blowing into the bottle.

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Cruise and Analysis Information				Nisk ID	Nisk Int V S	Sample ID	Flask 1	Draw Temp 1 (°C)	OXY-1 (mL/L)	OXY-1 Comments	Nisk ID	Sample ID	Flask 2	Draw Temp 2 (°C)	OXY-2 (mL/L)
Cruise Number:	2022-040	1			41A	101	7.6	1.718			1	41B	102	7.9	1.718
Event:	17	2			42	103	7.5	1.710			2				
Station:	75	3			43	104	7.6	1.728			3				
Event Date (Local):	25 June 2022	4			44	105	7.6	1.785			4				
Analysis Date (Local):	25 June 2022	5			45	106	7.9	1.963			5				
Analyst:	KS	6			46	107	7.9	2.246			6				
Stratification Date (Local):	25 June 2022	7			47	108	8.1	2.561			7				
KIO ₃ N:	0.0120597	8			48	109	8.9	3.382			8				
Standard Titer:	0.50591	9			49A	110	9.1	3.689			9	49B	111	9.1	3.692
Blank Titer:	0.00047	10			50	112	9.3	4.002			10				
THIO N:	0.23944	11			51	113	9.6	4.303			11				
Sample Flask Water Seal?	Yes	12			52	114	10.7	-99	Sample lost. Upon CT, dispensed		12				
Reagent Change?	MnCl ₂	13			53	115	12.0	5.794	2.06 mL. Increased method		13				
	No	14			54	116	12.1	5.795	Selected on Dosimet!		14				
(Please circle reagent that was changed prior to sampling and standardization)	NaCl/NaOH	15			41A	41B	42	43	44	45	46	47	48		
NOTE NEW BATCH IN LOG BOOK	H ₂ SO ₄	16			OXY	OXY	OXY	OXY	OXY	OXY	OXY	OXY	OXY		
	KIO ₃	17			75	75	75	75	75	75	75	75	75		
	THIO	18			2022-040	2022-040	2022-040	2022-040	2022-040	2022-040	2022-040	2022-040	2022-040		
Notes:		19			Bot-5 m	Bot-5 m	200 m	175 m	150 m	125 m	100 m	75 m	50 m		
		20			bot 1	bot 1	bot 2	bot 3	bot 4	bot 5	bot 6	bot 7	bot 8		
12 - Humming Bird.xlsx		21			51	52	53	54			21				
		22			OXY	OXY	OXY	OXY			22				
		23			75	75	75	75			23				
Bottle integrity: First test the top vent (V) by op	20 m	24			2022-040	2022-040	2022-040	2022-040	2022-040	2022-040	24				

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Cruise and Analysis Information				Nisk ID	Nisk Int V S	Sample ID	Flask 1	Draw Temp 1 (°C)	OXY-1 (mL/L)	OXY-1 Comments	Nisk ID	Sample ID	Flask 2	Draw Temp 2 (°C)	OXY-2 (mL/L)
Cruise Number:	2022-040	1		55		970	7.8	1.874			1				
Event:	19	2		56		971	7.7	1.867			2				
Station:	72	3		57		972	7.7	1.876			3				
Event Date (Local):	25 June 2022	4		58		973	7.6	1.864			4				
Analysis Date (Local):	26 June 2022	5		59		974	7.6	1.844			5				
Analyst:	KS	6		60		975	8.1	2.372			6				
Standardization Date (Local):	25 June 2022	7		61A		976	8.8	3.340			7	61B	977	8.9	3.33
KIO ₃ N:	0.0120597	8		62		978	9.1	3.737			8				
Standard Titer:	0.50591	9		63A		979	9.4	4.040			9	63B	980	9.4	4.04
Blank Titer:	0.00047	10		64		981	9.7	4.303			10				
THIO N:	0.23944	11		65		982	9.9	4.498			11				
Sample Flask Water Seal?	Yes	12		66		983	10.5	4.946			12				
Reagent Change?	No	13		67		984	11.1	5.113			13				
(Please circle reagent that was changed prior to sampling and standardization) NOTE NEW BATCH IN LOG BOOK	MnCl ₂ NaI/NaOH H ₂ SO ₄ KIO ₃ THIO	14		55		56		57		58		59		60	
Notes:		15		OXY 72		OXY 72		OXY 72		OXY 72		OXY 72		OXY 72	
		16		2022-040 Bot-5 m		2022-040 175 m		2022-040 150 m		2022-040 125 m		2022-040 100 m		2022-040 75 m	
		17		bot 1		bot 2		bot 3		bot 4		bot 5		bot 6	
		18		64		65		66		67		61A		61B	
		19		OXY 72		OXY 72		OXY 72		OXY 72		OXY 72		OXY 72	
		20		2022-040 20 m		2022-040 10 m		2022-040 5 m		2022-040 0 m		2022-040 50 m		2022-040 50 m	
		21		bot 10		bot 11		bot 12		bot 13		bot 7		bot 7	
		22													
		23													
		24													

Bottle integrity: First test the top vent (V) by c... Mark 'x' in the appropriate column if either fails the integrity check and ex...

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Cruise and Analysis Information		Nisk ID	Nisk Int V S	Sample ID	Flask 1	Draw Temp 1 (°C)	OXY-1 (mL/L)	OXY-1 Comments				Nisk ID	Sample ID	Flask 2	Draw Temp 2 (°C)	OXY-2 (mL/L)
Cruise Number:	2022-040	1		69	1409	7.6	1.898					1				
Event:	24	2		70	3057	7.5	1.898					2				
Station:	69	3		71	639	7.5	1.895					3				
Event Date (Local):	26 June 2022	4		72	3037	7.7	1.948					4				
Analysis Date (Local):	26 June 2022	5		73A	969	8.1	2.411					5	73B	510	8.2	2.604
Analyst:	KS	6		74	1401	8.9	3.425					6				
Standardization Date (Local):	25 June 2022	7		75	3002	9.3	3.966					7				
KIO ₃ N:	0.0120957	8		76	3137	9.7	4.284					8				
Standard Titer:	0.50591	9		77	951	9.7	4.360					9				
Blank Titer:	0.00047	10		78	3081	11.3	4.904					10				
THIO N:	0.23944	11		79	20	11.3	5.478					11				
Sample Flask Water Seal?	Yes	12		80A	569	11.9	5.558	EP late. Should be O.T.D.				12	80B	673	11.7	5.552
Reagent Change?	MnCl ₂	13		69	70		71					74				
(Please circle reagent that was changed prior to sampling and standardization)	NaI/NaOH	14		OXY	OXY		OXY					OXY				
NOTE NEW BATCH IN LOG BOOK	H ₂ SO ₄	15		69	69		69					69				
	KIO ₃	16		2022-040	2022-040		2022-040					2022-040				
	THIO	17		Bot-5 m	150 m		125 m					50 m				
		18		bot 1	bot 2		bot 3					bot 4				
		19										bot 5				
		20		80A	80B											
		21		OXY	OXY											
		22		69	69											
		23		2022-040	2022-040											
		24		0 m	0 m											
				bot 12	bot 12											

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 ex

Notes: bottle made

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Humming Bird

Cruise and Analysis Information		Nisk ID	Nisk Int V S	Sample ID	Flask 1	Draw Temp 1 (°C)	OXY-1 (mL/L)	OXY-1 Comments	Nisk ID	Sample ID	Flask 2	Draw Temp 2 (°C)	OXY-2 (mL/L)
Cruise Number:	2022-040	1		81	101	7.8	2.041		1				
Event:	27	2		82	102	7.7	2.064		2				
Station:	adcp	3		83	103	7.8	2.111		3				
Event Date (Local):	26-Jun-22	4		84	104	8.3	2.684		4				
Analysis Date (Local):	26 June 2022	5		85	105	9.1	3.561		5				
Analyst:	KS	6		86	106	9.5	4.071		6				
Standardization Date (Local):	25 June 2022	7		87	107	9.7	4.192		7				
KIO ₃ N:	0.0120957	8		88	108	10.3	4.867		8				
Standard Titer:	0.50591	9		89A	109	10.5	5.001		9	89B	110	10.5	5.000
Blank Titer:	0.00047	10							10				
THIO N:	0.29344	11		91	111	11.0	5.267		11				
Sample Flask Water Seal?	Yes	12							12				
Reagent Change?	No	13											
(Please circle reagent that was changed prior to sampling and standardization)	MnCl ₂	14											
NOTE NEW BATCH IN LOG BOOK	NaI/NaOH	15											
	H ₂ SO ₄	16											
	KIO ₃	17											
	THIO	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 ex

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Cruise and Analysis Information				Nisk ID	Nisk Int V S	Sample ID	Flask 1	Draw Temp 1 (°C)	OXY-1 (mL/L)	OXY-1 Comments	Nisk ID	Sample ID	Flask 2	Draw Temp 2 (°C)	OXY-2 (mL/L)
Cruise Number:	2022-040	1		92	114	8.1	2.282				1				
Event:	31	2		93	115	8.2	2.400				2				
Station:	65	3		94	116	8.8	3.191				3				
Event Date (Local):	26-Jun-22	4		95	117	9.4	3.875				4				
Analysis Date (Local):	26 June 2022	5		96	118	9.5	4.008				5				
Analyst:	KS	6		97	119	9.9	4.396				6				
Standardization Date (Local):	25 June 2022	7		98	120	10.1	4.587				7				
KIO ₃ N:	0.0120957	8		99	121	10.6	5.023				8				
Standard Titer:	0.50591	9		100	122	11.1	5.284				9				
Blank Titer:	0.000047	10		101A	123	11.3	5.460				10		101B	124	11.2
THIO N:	0.29344	11									11				5.457
Sample Flask Water Seal?	Yes	12		92											
Reagent Change?	No	13		OXY											
(Please circle reagent that was changed prior to sampling and standardization)	MnCl ₂	14		65											
NOTE NEW BATCH IN LOG BOOK	NaI/NaOH	15		2022-040											
	H ₂ SO ₄	16		Bot-5 m											
	KIO ₃	17		bot 1											
	THIO	18													
Notes:		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 e

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Cruise and Analysis Information			Nisk ID	Nisk Int V S	Sample ID	Flask 1	Draw Temp 1 (°C)	OXY-1 (mL/L)	OXY-1 Comments	Nisk ID	Sample ID	Flask 2	Draw Temp 2 (°C)	OXY-2 (mL/L)
Cruise Number:	2022-040		1		106	1409	8.3	2.287		1				
Event:	35		2		107	3057	8.4	2.500		2				
Station:	62		3		108	639	8.9	3.126	cap not sealed	3				
Event Date (Local):	June 26, 2022		4		109A	3037	9.3	3.575		4	109B	969	9.3	3.575
Analysis Date (Local):	June 26, 2022		5		110	510	10.3	4.575		5				
Analyst:	KS		6		111	1401	10.4	4.673		6				
Standardization Date (Local):	June 25, 2022		7		112	3002	10.5	4.737		7				
KIO ₃ N:	0.120957		8		113	3137	10.5	4.753		8				
Standard Titer:	0.50591		9		114A	951	10.7	4.817		9	114B	3081	10.7	4.819
Blank Titer:	0.00047		10		115	20	11.1	5.091		10				
THIO N:	0.29344		11		116	569	11.6	5.292		11				
Sample Flask Water Seal?	Yes		12							12				
Reagent Change?	No		13		106		107			11		112		113
(Please circle reagent that was changed prior to sampling and standardization)	MnCl ₂		14		OXY		OXY			11		OXY		OXY
NOTE NEW BATCH IN LOG BOOK	NaI/NaOH		15		62		62			11		62		62
	H ₂ SO ₄		16		2022-040		2022-040			11		2022-040		2022-040
	KIO ₃		17		Bot-5 m		125 m			11		40 m		20 m
	THIO		18		bot 1		bot 2			11		bot 7		bot 8
Notes:			19		116					19				
			20		OXY					20				
			21		62					21				
			22		2022-040					22				
			23		0 m					23				
			24		bot 11					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 exp

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Cruise and Analysis Information			Nisk ID	Nisk Int V S	Sample ID	Flask 1	Draw Temp 1 (°C)	OXY-1 (mL/L)	OXY-1 Comments	Nisk ID	Sample ID	Flask 2	Draw Temp 2 (°C)	OXY-2 (mL/L)
Cruise Number:	2022-040		1		117	101	9.4	2.918		1				
Event:	39		2		118	102	9.1	2.903	Bottle Integrity Failure. Top cap not sealed well.	2				
Station:	59		3		119	103	9.5	3.131		3				
Event Date (Local):	26-Jun-22		4		120	104	9.3	3.339		4				
Analysis Date (Local):	26-Jun-22		5		121	105	9.6	3.504		5				
Analyst:	KS		6		122	106	9.7	3.810		6				
Standardization Date (Local):	25-Jun-22		7		123	107	9.9	3.923		7				
KIO ₃ N:	0.120957		8		124A	108	9.8	3.976		8	124B	109	9.9	3.976
Standard Titer:	0.50591		9		125	110	9.9	4.044		9				
Blank Titer:	0.00047		10		126	111	10.1	4.292		10				
THIO N:	0.29344		11		127	112	10.4	4.501		11				
Sample Flask Water Seal?	Yes		12		128A	113	11.1	4.873		12	128B	114	11.1	4.873
Reagent Change?	No		13		129	115	11.3	4.933		13				
(Please circle reagent that was changed prior to sampling and standardization) NOTE NEW BATCH IN LOG BOOK	MnO ₂ NaI/NaOH H ₂ SO ₄ KIO ₃ THIO		14		130	116	12.0	5.170		14				
Notes:			15											
			16		117	118	119	120	121	122	123	124A	124B	
			17		OXY	OXY	OXY	OXY	OXY	OXY	OXY	OXY	OXY	
			18		59	59	59	59	59	59	59	59	59	
			19		2022-040	2022-040	2022-040	2022-040	2022-040	2022-040	2022-040	2022-040	2022-040	
			20		Bot-5 m	200 m	175 m	150 m	125 m	100 m	75 m	50 m	50 m	
			21		bot 1	bot 2	bot 3	bot 4	bot 5	bot 6	bot 7	bot 8	bot 8	
			22		128A	128B	129	130						
			23		OXY	OXY	OXY	OXY						
			24		59	59	59	59						

Bottle integrity: First test the top vent (V) by o 10 m 10 m 5 m 0 m

bot 12 bot 12 bot 13 bot 14

Mark 'X' in the appropriate column if either fails the integrity check and ex

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Cruise and Analysis Information				Nisk ID	Nisk Int V S	Sample ID	Flask 1	Draw Temp 1 (°C)	OXY-1 (mL/L)	OXY-1 Comments	Nisk ID	Sample ID	Flask 2	Draw Temp 2 (°C)	OXY-2 (mL/L)
Cruise Number:	2022-040	1		132	1409	9.6	3.367				1				
Event:	42	2		133	3057	-9.9	-9.000	NOT SAMPLED.			2				
Station:	56	3		134	639	3.388	draw T = 9.5°C				3				
Event Date (Local):	26 June 2022	4		135	3037	9.4	3.401				4				
Analysis Date (Local):	27 June 2022	5		136	969	9.6	3.656				5				
Analyst:	KS	6		137	510	9.8	3.760				6				
Stratization Date (Local):	27 June 2022	7		138	1401	9.9	3.867				7				
KIO ₃ N:	0.0126957	8		139	3002	10.3	4.299				8				
Standard Titer:	0.50557	9		140	3137	10.6	4.471				9				
Blank Titer:	0.00021	10		141	951	10.5	4.523				10				
THIO N:	0.23923	11		142A	3081	10.5	4.493				11	142B	20	10.6	4.491
Sample Flask Water Seal?	Yes	12		143	569	11.5	4.497	4.933			12				
Reagent Change?	MnCl ₂ 2202	13		144A	673	11.9	5.082				13	144B	3120	11.9	5.085
(Please circle reagent that was changed prior to sampling and standardization)	H ₂ SO ₄ 2202	14		146	3134	13.3	5.470				14				
NOTE NEW BATCH IN LOG BOOK	THIO	15									15				
Notes:	Must standardize prior to analysis	16		132	133	134	135	136	137	138	139	140			
15 - Moose.xlsx		17		OXY	OXY	OXY	OXY	OXY	OXY	OXY	OXY	OXY			
		18		56	56	56	56	56	56	56	56	56			
		19		2022-040	2022-040	2022-040	2022-040	2022-040	2022-040	2022-040	2022-040	2022-040			
		20		Bot-5 m	200 m	175 m	150 m	125 m	100 m	75 m	50 m	40 m			
		21		bot 1	bot 2	bot 3	bot 4	bot 5	bot 6	bot 7	bot 8	bot 9			
		22		143	144A	144B	146								
		23		OXY	OXY	OXY	OXY								
		24		56	56	56	56								
				2022-040	2022-040	2022-040	2022-040								
				10 m	5 m	5 m	0 m								
				bot 12	bot 13	bot 13	bot 15								

Bottle integrity: First test the top vent (V) by o

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Cruise and Analysis Information		Nisk ID	Nisk Int V S	Sample ID	Flask 1	Draw Temp 1 (°C)	OXY-1 (mL/L)	OXY-1 Comments						Nisk ID	Sample ID	Flask 2	Draw Temp 2 (°C)	OXY-2 (mL/L)
Cruise Number:	2022-040	1	✓	147	970	9.7	3.861							1				
Event:	49	2	✓	148	971	9.7	3.850							2				
Station:	46	3	✓	149	972	9.8	4.006							3				
Event Date (Local):	27 June 2022	4	✓	150A	973	9.7	4.134							4	150B	974	9.9	4.132
Analysis Date (Local):	27 June 2022	5	✓	151	975	9.9	4.261							5				
Analyst:	KS	6	✓	152	976	10.1	4.373							6				
Standardization Date (Local):	27 June 2022	7	✓	153A	977	10.1	4.471							7	153B	978	10.2	4.477
KIO ₃ N:	0.0120957	8	✓	154	979	10.4	4.632							8				
Standard Titer:	0.50557	9	✓	155	980	10.9	4.891							9				
Blank Titer:	0.00621	10	✓	156	981	13.3	5.957							10				
THIO N:	0.23923	11	✓	157	982	14.5	6.192							11				
Sample Flask Water Seal?	Yes	12	✓	158	983	16.6	6.830	-0.2V suggested. lots of sediment						12				
Reagent Change?	No	13												13				
(Please circle reagent that was changed prior to sampling and standardization)	MnCl ₂	14		147	148									14				
NOTE NEW BATCH IN LOG BOOK	NaI/NaOH	15		OXY 46	OXY 46									15				
	H ₂ SO ₄	16		2022-040	2022-040									16				
	KIO ₃	17		Bot-5 m	150 m									17				
	THIO	18		bot 1	bot 2									18				
Notes:		19		157	158									19				
		20		OXY 46	OXY 46									20				
		21		2022-040	2022-040									21				
		22		5 m	0 m									22				
		23		bot 11	bot 12									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 ex

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Institute of Ocean Sciences
Water Properties Group



Cruise and Analysis Information

Nisk ID

Nisk Int V S

Sample ID

Flask 1

Draw Temp 1 (°C)

OXY-1 (mL/L)

OXY-1 Comments

Nisk ID

Sample ID

Flask 2

Draw Temp 2 (°C)

OXY-2 (mL/L)

Cruise Number: 2022-040

Event: 52

Station: 42

Event Date (Local): 27-Jun-22

Analysis Date (Local): 27 June 2022

Analyst: KS

Stratification Date (Local): 27 June 2022

KIO₃ N: 0.0120957

Standard Titer: 0.50557

Blank Titer: 0.00021

THIO N: 0.23923

Sample Flask Water Seal? Yes

Reagent Change? No

(Please circle reagent that was changed prior to sampling and standardization)

NOTE NEW BATCH IN LOG BOOK

NaI/NaOH

H₂SO₄

KIO₃

THIO

Notes:

12 - Humming Bird.xlsx

Bottle integrity: First test the top vent (V) by op

1	159	101	9.4	3.180		1	166B	109	9.5	4.13
2	160	102	9.4	3.181		2				
3	161	103	9.3	3.382		3				
4	162	104	9.3	3.614		4				
5	163	105	9.3	3.594		5				
6	164	106	9.2	3.765		6				
7	165	107	10.0	4.471		7				
8	166A	108	9.4	4.128		8	166B	109	9.5	4.13
9	167	110	9.5	4.154		9				
10	168	111	9.8	4.345		10				
11	169A	112	9.9	4.466		11	169B	113	10.0	4.46
12	170	114	10.2	4.626		12				
13	171	115	10.9	5.080		13				
14	172	116	15.2	6.756		14				
15	173	117	16.7	6.785		15				
16	174	118	14.7	9.9	- Skipped @ 1.38V. Sample too	16				
17	159	160	161	162	163	164	165	166A	166B	
18	OXY	OXY	OXY	OXY	OXY	OXY	OXY	OXY	OXY	
19	42	42	42	42	42	42	42	42	42	
20	2022-040	2022-040	2022-040	2022-040	2022-040	2022-040	2022-040	2022-040	2022-040	
21	Bot-5 m	300 m	250 m	200 m	175 m	150 m	125 m	100 m	100 m	
22	bot 1	bot 2	bot 3	bot 4	bot 5	bot 6	bot 7	bot 8	bot 8	
23	169B	170	171	172	173	174	23			
24	OXY	OXY	OXY	OXY	OXY	OXY	24			
	42	42	42	42	42	42				
	2022-040	2022-040	2022-040	2022-040	2022-040	2022-040				
	40 m	30 m	20 m	10 m	5 m	0 m				
	bot 11	bot 12	bot 13	bot 14	bot 15	bot 16				

column if either fails the integrity check and

Dissolved Oxygen Analysis Log Sheet

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Water Properties Group



Cruise and Analysis Information				Nisk ID	Nisk Int V S	Sample ID	Flask 1	Draw Temp 1 (°C)	OXY-1 (mL/L)	OXY-1 Comments	Nisk ID	Sample ID	Flask 2	Draw Temp 2 (°C)	OXY-2 (mL/L)
Cruise Number:	2022-040	1		176	900	10.1	3.203				1				
Event:	39 58	2		177	901	9.9	3.202				2				
Station:	39	3		178	902	9.9	3.226				3				
Event Date (Local):	27-Jun-22	4		179	903	9.7	3.333				4				
Analysis Date (Local):	27 June 2022	5		180	904	9.9	3.591				5				
Analyst:	KS	6		181	905	9.6	3.682				6				
Standardization Date (Local):	27 June 2022	7		182	906	9.7	3.732				7				
KIO ₃ N:	0.0120957	8		183	907	9.5	4.019				8				
Standard Titer:	0.50557	9		184	908	9.8	4.155				9				
Blank Titer:	0.00021	10		185	909	10.1	4.240				10				
THIO N:	0.23923	11		186	910	10.0	4.245				11				
Sample Flask Water Seal?	Yes	12		187	911	10.1	4.455				12				
Reagent Change?	No	13		188	912	10.3	4.629				13				
(Please circle reagent that was changed prior to sampling and standardization)	MnCl ₄	14		189A	913	11.0	5.063				14	189B	914	11.1	5.072
NOTE NEW BATCH IN LOG BOOK	H ₂ SO ₄	15		190	915	13.9	6.587				15				
	KIO ₃	16		191A	916	15.9	6.987				16	191B	917	15.9	6.991
	THIO	17		192	918	18.5	6.570				17				
Notes:		18		176	177	178	179	180	181	182	183				
8 - Snail.xlsx		19		OXY	OXY	OXY	OXY	OXY	OXY	OXY	OXY				
		20		39	39	39	39	39	39	39	39				
		21		2022-040	2022-040	2022-040	2022-040	2022-040	2022-040	2022-040	2022-040				
		22		Bot-5 m	350 m	300 m	250 m	200 m	175 m	150 m	125 m				
		23		bot 1	bot 2	bot 3	bot 4	bot 5	bot 6	bot 7	bot 8				
		24													

188 OXY 39 2022-040 30 m bot 13
189A OXY 39 2022-040 20 m bot 14
189B OXY 39 2022-040 20 m bot 14
190 OXY 39 2022-040 10 m bot 15
191A OXY 39 2022-040 5 m bot 16
191B OXY 39 2022-040 5 m bot 16
192 OXY 39 2022-040 0 m bot 17

Dissolved Oxygen Analysis Log Sheet

Institute of Ocean Sciences
Water Properties Group



Cruise and Analysis Information		Nisk ID	Nisk Int V S	Sample ID	Flask 1	Draw Temp 1 (°C)	OXY-1 (mL/L)	OXY-1 Comments	Nisk ID	Sample ID	Flask 2	Draw Temp 2 (°C)	OXY-2 (mL/L)
Cruise Number:	2022-040	1		201	101	10.4	3.615		1				
Event:	65	2		202	102	9.9	3.167		2				
Station:	27	3		203	103	9.9	3.219		3				
Event Date (Local):	27 June 2022	4		204	104	9.8	3.624		4				
Analysis Date (Local):	27 June 2022	5		205A	105	9.8	3.586		5	205B	106	10.1	3.586
Analyst:	KS	6		206	107	9.7	3.833		6				
Standardization Date (Local):	27 June 2022	7		207	108	9.6	4.105		7				
KIO ₃ N:	0.0126957	8		208	109	9.6	4.066		8				
Standard Titer:	0.50557	9		209	110	9.7	3.974		9				
Blank Titer:	0.00021	10		210	111	10.0	3.996	4.038	10				
THIO N:	0.23923	11		211A	112	9.7	4.045	incorrect Flask ID (112). Must recalculate.	11	211B	113	10.2	4.045
Sample Flask Water Seal?	Yes	12		212	114	9.9	4.310		12				
Reagent Change?	No	13		213	115	11.0	4.859		13				
(Please circle reagent that was changed prior to sampling and standardization)	MnCl ₂	14		214	116	14.5	6.847		14				
NOTE NEW BATCH IN LOG BOOK	H ₂ SO ₄	15		215	117	17.6	7.066		15				
	KIO ₃	16							16				
	THIO	17		217	118	20.1	7.044		17				
Notes:		18		201	202	203	204	205A	205B	206	207	208	
		19		OXY	OXY	OXY	OXY	OXY	OXY	OXY	OXY	OXY	
		20		27	27	27	27	27	27	27	27	27	
		21		2022-040	2022-040	2022-040	2022-040	2022-040	2022-040	2022-040	2022-040	2022-040	
		22		Bot-5 m	300 m	250 m	200 m	175 m	175 m	150 m	125 m	100 m	
		23		bot 1	bot 2	bot 3	bot 4	bot 5	bot 5	bot 6	bot 7	bot 8	
		24											

the appropriate column if either fails the integrity check and ex

212 OXY 27 2022-040 30 m bot 12
213 OXY 27 2022-040 20 m bot 13
214 OXY 27 2022-040 10 m bot 14
215 OXY 27 2022-040 5 m bot 15
217 OXY 27 2022-040 0 m bot 17

Dissolved Oxygen Analysis Log Sheet

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Water Properties Group



Cruise and Analysis Information				Nisk ID		Sample ID		Flask 1		Draw Temp 1		OXY-1		OXY-1 Comments		Nisk ID		Sample ID		Flask 2		Draw Temp 2		OXY-2		
Cruise Number:	Event:	Station:	Event Date (Local):	Analysis Date (Local):	Analyst:	Standardization Date (Local):	KIO ₃ N:	Standard Titer:	Blank Titer:	THIO N:	Sample Flask Water Seal?	Reagent Change?	(Please circle reagent that was changed prior to sampling and standardization)	NOTE NEW BATCH IN LOG BOOK												
2022-040	72	2	27 June 2022	28 June 2022	KS	27 June 2022	0.0120957	0.50557	0.00021	0.239123	(Yes)	MnCl ₂	NaI/NaOH	H ₂ SO ₄	KIO ₃	THIO										
1			222	900	10.0	27.65																				
2			223	901	9.9	27.47																				
3			224	902	9.7	3.398																				
4			225A	903	9.7	3.881																				
5			226	905	9.4	4.009																				
6			227	906	9.3	4.101																				
7			228A	907	9.4	4.211																				
8			229	909	9.5	4.098																				
9			230	910	10.0	4.189																				
10			231	911	10.3	4.258																				
11			232	912	10.2	4.258																				
12			233	913	10.9	4.687																				
13			234	914	14.5	6.681																				
14			235	915	17.9	6.853																				
15																										
16			237	916	19.8	6.659																				
17			222	223	224	225A	225B	226	227	228A	228B															
18			OXY	OXY	OXY	OXY	OXY	OXY	OXY	OXY	OXY															
19			2	2	2	2	2	2	2	2	2															
20			2022-040	2022-040	2022-040	2022-040	2022-040	2022-040	2022-040	2022-040	2022-040															
21			Bot-5 m	250 m	200 m	175 m	175 m	150 m	125 m	100 m	100 m															
22			bot 1	bot 2	bot 3	bot 4	bot 4	bot 5	bot 6	bot 7	bot 7															
23			232	233	234	235	237																			
24			OXY	OXY	OXY	OXY	OXY																			

Bottle integrity: First test the top vent (V) by of

the appropriate column if either fails the integrity check and ex

Dissolved Oxygen Analysis Log Sheet

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Cruise and Analysis Information			Nisk ID	Nisk Int V S	Sample ID	Flask 1	Draw Temp 1 (°C)	OXY-1 (mL/L)	OXY-1 Comments	Nisk ID	Sample ID	Flask 2	Draw Temp 2 (°C)	OXY-2 (mL/L)
Cruise Number:	2022-040		1		242A	101	9.5	2.467		1	242B	102	9.5	2.463
Event:	77		2		243	103	9.4	2.508		2				
Station:	3		3		244A	104	9.3	2.783		3	244B	105	9.4	2.775
Event Date (Local):	27-Jun-22		4		245	106	9.1	3.247		4				
Analysis Date (Local):	28 Jun 2022		5		246	107	9.0	3.623		5				
Analyst:	KS		6		247	108	8.9	3.887		6				
Standardization Date (Local):	27 Jun 2022		7		248	109	8.9	4.039		7				
KIO ₃ N:	0.0120957		8		249	110	9.0	4.048		8				
Standard Titer:	0.50557		9		250	111	9.1	4.045		9				
Blank Titer:	0.00002		10		251	112	9.4	4.075		10				
THIO N:	0.23923		11		252	113	9.9	4.091		11				
Sample Flask Water Seal?	Yes		12		253	114	10.1	4.261		12				
Reagent Change?	MnCl ₂		13		254	115	10.9	4.550		13				
(Please circle reagent that was changed prior to sampling and standardization)	NaI/NaOH		14		255	116	15.4	6.518		14				
NOTE NEW BATCH IN LOG BOOK	H ₂ SO ₄		15		256	117	16.1	6.519		15				
	KIO ₃		16		257	118	16.2	6.519		16				
	THIO		17		242A	242B	243	245	244A	244B	246	247	248	
Notes:			18		OXY	OXY	OXY	OXY	OXY	OXY	OXY	OXY	OXY	
			19		3	3	3	3	3	3	3	3	3	
			20		2022-040	2022-040	2022-040	2022-040	2022-040	2022-040	2022-040	2022-040	2022-040	
			21		Bot-5 m	Bot-5 m	300 m	200 m	250 m	250 m	175 m	150 m	125 m	
			22		bot 1	bot 1	bot 2	bot 4	bot 3	bot 3	bot 5	bot 6	bot 7	
			23		252	253	254	255	256	257	23			
			24		OXY	OXY	OXY	OXY	OXY	OXY	24			

Bottle integrity: First test the top vent (V) by op

column if either fails the integrity check and ex

