

Dissolved Oxygen Analysis Log Sheet

Institute of Ocean Sciences
Water Properties Group



Last Updated: December 2019

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)	OXY-2 Comments
Cruise Number: 2022-015	1		1	2035	8.2	3.751		1					
Event: 4	2		2	1333	8.2	4.001		2					
Station: LC01	3		3A	1346	8.3	4.176		3	3B	1330	8.4	4.181	
Event Date (Local): 02-05-22	4		4	1341	8.8	6.197		4					
Analysis Date (Local): 12 May 2022	5		5	1340	8.9	6.374		5					
Analyst: KS	6		6	1336	8.9.9	7.405		6					
Stdization Date (Local): 12 May 2022	7		7	1351	8.9.9	7.406		7					
KIO ₃ N: 0.0121441	8							8					
Standard Titer: 0.50802	9		1	2	3A	3B	4	5	6	7			
Blank Titer: 0.00020	10		OXY	OXY	OXY	OXY	OXY	OXY	OXY	OXY			
THIO N: 0.23925	11		LC01	LC01	LC01	LC01	LC01	LC01	LC01	LC01			
Sample Flask Water Seal? Yes	12		2022-015	2022-015	2022-015	2022-015	2022-015	2022-015	2022-015	2022-015			
No	13		Bot-10 m	75 m	50 m	50 m	30 m	20 m	10 m	5 m			
Reagent Change? MnCl ₂ 2201	14		bot 1	bot 2	bot 3	bot 3	bot 4	bot 5	bot 6	bot 7			
(Please circle reagent that was changed prior to sampling and standardization)	15												
NOTE NEW BATCH IN LOG BOOK	16												
NaI/NaOH 2202	17												
H ₂ SO ₄ 2101	18												
KIO ₃ 2201	19												
THIO 2101	20												
Notes:	21												
10 - Tall Ship.xlsx	22												
	23												
	24												

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

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Cruise Number: 2022-015	1		8	1354	8.1	3.400		1					
Event: 5	2		9	1358	8.2	3.824		2					
Station: LC02	3		10A	1319	8.5	4.765		3	10B	1316	8.5	4.765	
Event Date (Local): 02-05-22	4		11	1338	8.8	6.261		4					
Analysis Date (Local): 12 May 2022	5		12	1313	9.5	9.9	bottle broken	5					
Analyst: KS	6		13	1326	9.8	7.439		6					
Stdization Date (Local): 12 May 2022	7		14	1302	10.1	7.552		7					
KIO ₃ N: 0.0121441	8							8					
Standard Titer: 0.50802	9							9					
Blank Titer: 0.00020	10		8	9	10A	10B	11	13	14				
THIO N: 0.23925	11		OXY	OXY	OXY	OXY	OXY	OXY	OXY				
Sample Flask Water Seal? ☒ Yes	12		LC02	LC02	LC02	LC02	LC02	LC02	LC02				
	13		2022-015	2022-015	2022-015	2022-015	2022-015	2022-015	2022-015				
	14		Bot-10 m	75 m	50 m	50 m	30 m	10 m	5 m				
	15		bot 1	bot 2	bot 3	bot 3	bot 4	bot 6	bot 7				
Reagent Change? MnCl ₂	16												
(Please circle reagent that was changed prior to sampling and standardization)	17												
NOTE NEW BATCH IN LOG BOOK	18												
	19												
Notes:	20												
	21												
	22												
	23												
	24												

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

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Cruise Number: 2022-015	1		16	1337	8.0	3.085		1					
Event: 8	2		17	1328	8.0	3.132		2					→ leaky vent
Station: LC04	3		18	1321	8.1	3.346		3					
Event Date (Local): 03-05-22	4		19	1335	8.1	3.711		4					
Analysis Date (Local): 13 May 2022	5		20	1327	8.2	4.182		5					
Analyst: KS	6		21	1306	8.5	4.991	Precipitate very fluffy, looks like reaction is incomplete.	6					
Stdization Date (Local): 13 May 2022	7		22A	1331	9.1	6.764	Titration was odd as a result	7	22B	1344	9.1	6.753	
KIO ₃ N: 0.0120957	8		23	1317	9.4	7.327		8					
Standard Titer: 0.50569	9		24	1314	9.7	7.200		9					
Blank Titer: 0.00008	10		25	1300	9.7	7.190		10					
THIO N: 0.23930	11							11					
Sample Flask Water Seal? ☒ Yes	12		16	17	18	19	20	21	22A	22B	23	24	25
	13		OXY	OXY	OXY	OXY	OXY	OXY	OXY	OXY	OXY	OXY	OXY
	14		LC04	LC04	LC04	LC04	LC04	LC04	LC04	LC04	LC04	LC04	LC04
Reagent Change? ☒ NaCl ₂	15		2022-015	2022-015	2022-015	2022-015	2022-015	2022-015	2022-015	2022-015	2022-015	2022-015	2022-015
(Please circle reagent that was changed prior to sampling and standardization)	16		Bot-10 m	150 m	125 m	100 m	75 m	50 m	30 m	30 m	20 m	10 m	5 m
NOTE NEW BATCH IN LOG BOOK	17		bot 1	bot 2	bot 3	bot 4	bot 5	bot 6	bot 7	bot 7	bot 8	bot 9	bot 10
	18												
	19												
	20												
	21												
	22												
	23												
	24												

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Care Full -> Rest of cast in Moose box !!

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)	OXY-2 Comments
Cruise Number: 2022-015	1		26	1301	8.1	2.891		1					
Event: 10	2		27A	1318	8.2	3.575		2	27B	1309	8.1	3.580	
Station: LG02	3		28					3					
Event Date (Local): 03-05-22	4							4					
Analysis Date (Local): 13 May 2022	5		30					5					
Analyst: KS	6		31					6					
Stdization Date (Local): 13 May 2022	7		32					7					
KIO ₃ N: 0.0120957	8		33					8					
Standard Titer: 0.50569	9							9					
Blank Titer: 0.00008	10							10					
THIO N: 0.23930	11							11					
Sample Flask Water Seal? <u>Yes</u>	12							12					
No	13		26	27A		27B		13					
Reagent Change? MnCl ₂	14		OXY	OXY		OXY		14					
(Please circle reagent that was changed prior to sampling and standardization)	15		LG02	LG02		LG02		15					
NOTE NEW BATCH IN LOG BOOK	16		2022-015	2022-015		2022-015		16					
	17		Bot-10 m	75 m		75 m		17					
	18		bot 1	bot 2		bot 2		18					
Notes:	19							19					
	20							20					
10 - Tall Ship.xlsx	21							21					
	22							22					
	23							23					
	24							24					

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1st 3 samples in Tall ship box !!

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)	OXY-2 Comments
Cruise Number:	2022-015	1							1					
Event:	10	2							2					
Station:	LG02	3		28	1409	8.3	4.889		3					
Event Date (Local):	03-05-22	4							4					
Analysis Date (Local):	13 May 2022	5		30	3057	8.6	5.492		5					
Analyst:	KS	6		31	639	8.8	6.183		6					
Stdization Date (Local):	13 May 2022	7		32	3037	9.4	7.029		7					
KIO ₃ N:	0.0120157	8		33	969	9.4	7.051		8					
Standard Titer:	0.50569	9							9					
Blank Titer:	0.00008	10							10					
THIO N:	0.23930	11							11					
Sample Flask Water Seal?	☒ Yes	12		28	30	31	32	33	12					
	No	13		OXY	OXY	OXY	OXY	OXY	13					
Reagent Change?	MnCl ₂	14		LG02	LG02	LG02	LG02	LG02	14					
(Please circle reagent that was changed prior to sampling and standardization)	NaI/NaOH	15		2022-015	2022-015	2022-015	2022-015	2022-015	15					
NOTE NEW BATCH IN LOG BOOK	H ₂ SO ₄	16		50 m	30 m	20 m	10 m	5 m	16					
	KIO ₃	17		bot 3	bot 5	bot 6	bot 7	bot 8	17					
	THIO	18							18					
Notes:		19							19					
		20							20					
15 - Moose.xlsx		21							21					
		22							22					
		23							23					
		24							24					

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Cruise Number:	2022-015	1		39	510	7.5	1.754		1					
Event:	15	2		40	1401	7.6	1.792		2					
Station:	LG04	3		41	3002	7.8	2.663		3					
Event Date (Local):	03-05-22	4		42	3121	8.1	-99	Flask broken and slowly	4					
Analysis Date (Local):	13 May 2022	5		43	951	8.3	4.774	leaking. large headspace in	5					
Analyst:	KS	6		44A	3081	8.7	6.316	flask. Not analyzed.	6	44B	20	8.7	6.317	
Stdization Date (Local):	13 May 2022	7		45	569	8.9	6.135		7					
KIO ₃ N:	0.0120957	8		46	673	9.2	7.031		8					
Standard Titer:	0.50569	9		47	3120	9.3	7.084		9					
Blank Titer:	0.00008	10							10					
THIO N:	0.23930	11							11					
Sample Flask Water Seal?	Yes	12		39	40	41	42	43	44A	44B	45	46	47	
	No	13		OXY	OXY	OXY	OXY	OXY	OXY	OXY	OXY	OXY	OXY	
Reagent Change?	MnCl ₂	14		LG04	LG04	LG04	LG04	LG04	LG04	LG04	LG04	LG04	LG04	
(Please circle reagent that was changed prior to sampling and standardization)	NaI/NaOH	15		2022-015	2022-015	2022-015	2022-015	2022-015	2022-015	2022-015	2022-015	2022-015	2022-015	
NOTE NEW BATCH IN LOG BOOK	H ₂ SO ₄	16		Bot-10 m	125 m	100 m	75 m	50 m	30 m	30 m	20 m	10 m	5 m	
	KIO ₃	17		bot 1	bot 2	bot 3	bot 4	bot 5	bot 6	bot 6	bot 7	bot 8	bot 9	
	THIO	18												
Notes:		19												
		20												
		21												
		22												
		23												
		24												

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Rest of samples in start of frog case 61A/61B, 62-64

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)	OXY-2 Comments	
Cruise Number:	2022-015	1		48	3134	4.9	0.251		1						
Event:	17	2		49	3104	5.4	0.246		2						
Station:	LG06	3		50A	575	6.0	0.639		3	50B	396	6.1	0.641		
Event Date (Local):	04-05-22	4		51	1402	6.3	0.984		4						
Analysis Date (Local):	13 May 2022	5		52	952	6.5	1.496		5						
Analyst:	KS	6		53	2092	6.9	1.591		6						
Stdization Date (Local):	13 May 2022	7		54	962	7.2	2.061		7						
KIO ₃ N:	0.0120957	8		55	3173	7.5	2.228		8						
Standard Titer:	0.50569	9		56	3007	7.7	2.344		9						
Blank Titer:	0.00008	10		57	1378	7.7	2.498		10						
THIO N:	0.23930	11		58	966	7.9	3.007		11						
Sample Flask Water Seal?	Yes	12		59	3076	8.0	3.970		12						
	No	13		60	2060	8.2	5.119		13						
Reagent Change?	MnCl ₂	14		48	49	50A	50B	51	52	53	54	55	56	57	58
(Please circle reagent that was changed prior to sampling and standardization)	NaI/NaOH	15		OXY	OXY	OXY	OXY	OXY	OXY	OXY	OXY	OXY	OXY	OXY	OXY
NOTE NEW BATCH IN LOG BOOK	H ₂ SO ₄	16		LG06	LG06	LG06	LG06	LG06	LG06	LG06	LG06	LG06	LG06	LG06	LG06
	KIO ₃	17		2022-015	2022-015	2022-015	2022-015	2022-015	2022-015	2022-015	2022-015	2022-015	2022-015	2022-015	2022-015
	THIO	18		Bot-10 m	750 m	500 m	500 m	400 m	300 m	250 m	200 m	175 m	150 m	125 m	100 m
Notes:		19		bot 1	bot 2	bot 3	bot 3	bot 4	bot 5	bot 6	bot 7	bot 8	bot 9	bot 10	bot 11
		20		59	60					20					
15 - Moose.xlsx		21		OXY	OXY					21					
		22		LG06	LG06					22					
		23		2022-015	2022-015					23					
		24		75 m	50 m					24					

Bottle integrity: First test the top vent (V) by op bot 12 bot 13 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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Niskin #1 → 13 samples in Moose Case

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)	OXY-2 Comments
Cruise Number:	2022-015	1							1					
Event:	17	2							2					
Station:	LG06	3		61A	61B		62	63	64	3				
Event Date (Local):	04-05-22	4		OXY	OXY		OXY	OXY	OXY	4				
Analysis Date (Local):	13 May 2022	5		LG06	LG06		LG06	LG06	LG06	5				
Analyst:	KS	6		2022-015	2022-015		2022-015	2022-015	2022-015	6				
Stdization Date (Local):	13 May 2022	7		30 m	30 m		20 m	10 m	5 m	7				
KIO ₃ N:	0.0120957	8		bot 14	bot 14		bot 15	bot 16	bot 17	8				
Standard Titer:	0.50569	9								9				
Blank Titer:	0.00008	10								10				
THIO N:	0.23930	11								11				
Sample Flask Water Seal?	Yes	12								12				
	No	13								13				
Reagent Change?	MnCl ₂	14		61A	1403	8.6	6.329			14	61B	1395	8.7	6.334
(Please circle reagent that was changed prior to sampling and standardization)	NaI/NaOH	15		62	1441	9.2	6.718			15				
	H ₂ SO ₄	16		63	1499	9.1	6.770			16				
NOTE NEW BATCH IN LOG BOOK	KIO ₃	17		64	1452	9.2	6.776			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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Cruise Number:	2022-015	1		65	1397	7.9	2.795		1					
Event:	23	2		66	1496	8.0	3.286		2					
Station:	LC06	3		67A	1494	8.2	4.029		3	67B	1439	8.2	4.025	
Event Date (Local):	04-05-22	4		68	1492	8.5	5.611		4					
Analysis Date (Local):	13 May 2022	5		69	1456	8.8	6.071		5					
Analyst:	KS	6		70	1454	9.6	7.370		6					
Stdization Date (Local):	13 May 2022	7		71	1447	9.7	7.445		7					
KIO ₃ N:	0.0120957	8							8					
Standard Titer:	0.50569	9		65	66	67A	67B	68	69	70	71			
Blank Titer:	0.00008	10		OXY	OXY	OXY	OXY	OXY	OXY	OXY	OXY			
THIO N:	0.23930	11		LC06	LC06	LC06	LC06	LC06	LC06	LC06	LC06			
Sample Flask Water Seal?	Yes	12		2022-015	2022-015	2022-015	2022-015	2022-015	2022-015	2022-015	2022-015			
	No	13		Bot-10 m	75 m	50 m	50 m	30 m	20 m	10 m	5 m			
Reagent Change?	MnCl ₂	14		bot 1	bot 2	bot 3	bot 3	bot 4	bot 5	bot 6	bot 7			
(Please circle reagent that was changed prior to sampling and standardization)	NaI/NaOH	15												
NOTE NEW BATCH IN LOG BOOK	H ₂ SO ₄	16												
	KIO ₃	17												
	THIO	18												
Notes:		19												
		20												
		21												
		22												
		23												
		24												

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Cruise Number:	2022-015	1		72	1386	7.1	2.264		1					
Event:	26	2		73	1398	7.3	2.353		2					
Station:	LC08	3		74	1394	7.7	2.592		3					
Event Date (Local):	05-05-22	4		75	1412	7.9	2.943		4					
Analysis Date (Local):	13 May 2022	5		76	1479	8.0	3.973		5					
Analyst:	KS	6		77	1374	8.3	4.833		6					
Stdization Date (Local):	13 May 2022	7		78A	1451	8.6	6.582		7	78B	1488	8.6	6.582	
KIO ₃ N:	0.0120597	8		79	1453	8.9	6.680		8					
Standard Titer:	0.50569	9		80	1464	9.3	6.738		9					leaky vent
Blank Titer:	0.00008	10		81	1410	9.3	6.746		10					
THIO N:	0.23930	11		82	1478	9.3	6.752		11					
Sample Flask Water Seal?	Yes	12		72					12					
	No	13		OXY					13					
Reagent Change?	MnCl ₂	14		LC08					14					
(Please circle reagent that was changed prior to sampling and standardization)	NaI/NaOH	15		2022-015					15					
NOTE NEW BATCH IN LOG BOOK	H ₂ SO ₄	16		Bot-10 m					16					
	KIO ₃	17		bot 1					17					
	THIO	18							18					
Notes:		19							19					
		20							20					
		21							21					
		22							22					
		23							23					
		24							24					

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Cruise Number: 2022-022	1		84	1393	8.8	5.299		1					
Event: 33 34	2		85	1498	9.1	6.130		2					
Station: LD02	3		86A	1471	9.7	7.146		3	86B	1392	9.7	7.145	
Event Date (Local): 05-05-22	4		87	1455	9.8	7.116		4					
Analysis Date (Local): 13 May 2022	5		84	85	86A	86B	87	5					humming bird box
Analyst: KS	6		OXY	OXY	OXY	OXY	OXY	6					
Stdization Date (Local): 13 May 2022	7		LD02	LD02	LD02	LD02	LD02	7					
KIO ₃ N: 0.0120597	8		2022-022	2022-022	2022-022	2022-022	2022-022	8					
Standard Titer: 0.50569	9		Bot-10 m	30 m	20 m	20 m	10 m	9					
Blank Titer: 0.00008	10		bot 1	bot 2	bot 3	bot 3	bot 4	10					
THIO N: 0.23930	11							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)	15							15					
NOTE NEW BATCH IN LOG BOOK	16							16					
	17							17					
	18							18					
Notes:	19							19					
	20							20					
1 - Frog.xlsx	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: December 2019

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)	OXY-2 Comments
Cruise Number: 2022-022	1							1					
Event: 32 34	2							2					
Station: LD02	3							3					
Event Date (Local): 05-05-22	4							4					
Analysis Date (Local): 13 May 2022	5		88	101	9.8	7.122	88	5					
Analyst: KS	6						OXY	6					
Stdization Date (Local): 13 May 2022	7						LD02	7					
KIO ₃ N: 0.0120597	8						2022-022	8					
Standard Titer: 0.50569	9						5 m	9					
Blank Titer: 0.00008	10						bot 5	10					
THIO N: 0.23930	11							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)	15							15					
NOTE NEW BATCH IN LOG BOOK	16							16					
	17							17					
	18							18					
Notes:	19							19					
	20							20					
12 - Humming Bird.xlsx	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: December 2019

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)	OXY-2 Comments
Cruise Number: 2022-015	1		89A	102	8.2	3.915		1	89B	103	8.2	3.913	
Event: 37	2		90	104	8.4	5.199		2					
Station: LD04	3		91	105	9.1	6.487		3					
Event Date (Local): 06-05-22	4		92	106	9.2	6.996		4					
Analysis Date (Local): 13 May 2022	5		93	107	9.2	6.995		5					
Analyst: KS	6							6					
Stdization Date (Local): 13 May 2022	7							7					
KIO ₃ N: 0.0120597	8							8					
Standard Titer: 0.50569	9							9					
Blank Titer: 0.00008	10							10					
THIO N: 0.23930	11							11					
Sample Flask Water Seal? Yes	12							12					
	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		89A	89B	90	91	92	93	18				
	19		OXY	OXY	OXY	OXY	OXY	OXY	19				
	20		LD04	LD04	LD04	LD04	LD04	LD04	20				
	21		2022-015	2022-015	2022-015	2022-015	2022-015	2022-015	21				
	22		Bot-10 m	Bot-10 m	30 m	20 m	10 m	5 m	22				
	23		bot 1	bot 1	bot 2	bot 3	bot 4	bot 5	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: December 2019

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)	OXY-2 Comments
Cruise Number: 2022-022	1		94	108	7.5	1.842		1					
Event: 39	2		95	109	7.9	2.571	- EP late - Sample over-titrated.	2					
Station: LD06	3		96	110	8.1	4.612		3					
Event Date (Local): 06-05-22	4		97	111	8.5	6.294		4					
Analysis Date (Local): 13 May 2022	5		98	112	9.1	6.702		5					
Analyst: KS	6		99	113	9.2	6.716		6					
Stdization Date (Local): 13 May 2022	7		100	114	9.2	6.720		7					
KIO ₃ N: 0.0120597	8		101A	115	9.2	6.715		8	101B	116	9.2	6.716	
Standard Titer: 0.50569	9							9					
Blank Titer: 0.00008	10		94	95	96	97	98	99	100	101A	101B		
THIO N: 0.23930	11		OXY	OXY	OXY	OXY	OXY	OXY	OXY	OXY	OXY		
Sample Flask Water Seal? ☒ Yes ☐ No	12		LD06	LD06	LD06	LD06	LD06	LD06	LD06	LD06	LD06		
	13		2022-022	2022-022	2022-022	2022-022	2022-022	2022-022	2022-022	2022-022	2022-022		
Reagent Change? MnCl ₂	14		Bot-10 m	100 m	75 m	50 m	30 m	20 m	10 m	5 m	5 m		
(Please circle reagent that was changed prior to sampling and standardization)	15		bot 1	bot 2	bot 3	bot 4	bot 5	bot 6	bot 7	bot 8	bot 8		
NOTE NEW BATCH IN LOG BOOK	16												
	17												
	18												
Notes:	19												
	20												
12 - Humming Bird.xlsx	21												
	22												
	23												
	24												

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

Dissolved Oxygen Analysis Log Sheet

Institute of Ocean Sciences
Water Properties Group



Last Updated: December 2019

Rest of samples in Chicken + Egg

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)	OXY-2 Comments
Cruise Number:	2022-015	1		102	117	5.4	0.251		1					
Event:	50	2		103	118	5.4	0.248		2					
Station:	LD08	3		104A	119	5.7	0.801		3	104B	120	5.9	0.797	
Event Date (Local):	07-05-22	4		105	121	6.2	1.156		4					
Analysis Date (Local):	16 May 2022	5		106	122	6.5	1.849		5					
Analyst:	KS	6		107	123	6.9	2.284		6					
Stdization Date (Local):	16 May 2022	7		108	124	7.4	2.489		7					
KIO ₃ N:	0.0120547	8		109	125	7.6	2.645		8					
Standard Titer:	0.50575	9		110	126	7.8	2.928		9					
Blank Titer:	0.00008	10		111	127	8.0	3.154		10					
THIO N:	0.23928	11		112	128	8.2	3.372		11					
Sample Flask Water Seal?	Yes	12		113	129	8.4	4.630		12					
	No	13		114	130	8.9	6.717		13					
Reagent Change?	MnCl ₂	14		115A					14					
(Please circle reagent that was changed prior to sampling and standardization)	NaI/NaOH	15		102	103	104A	104B	105	106	107	108	109	110	111
NOTE NEW BATCH IN LOG BOOK	H ₂ SO ₄	16		OXY	OXY	OXY	OXY	OXY	OXY	OXY	OXY	OXY	OXY	OXY
	KIO ₃	17		LD08	LD08	LD08	LD08	LD08	LD08	LD08	LD08	LD08	LD08	LD08
	THIO	18		2022-015	2022-015	2022-015	2022-015	2022-015	2022-015	2022-015	2022-015	2022-015	2022-015	2022-015
		19		Bot-10 m	750 m	500 m	500 m	400 m	300 m	250 m	200 m	175 m	150 m	125 m
Notes:		20		bot 1	bot 2	bot 3	bot 3	bot 4	bot 5	bot 6	bot 7	bot 8	bot 9	bot 10
		21												
		22		113	114									
		23		OXY	OXY									
		24		LD08	LD08									
		25		2022-015	2022-015									
		26		75 m	50 m									
		27		bot 12	bot 13									

Bottle integrity: First test the top vent (V) by opening 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: December 2019

First 1-13 nisks in Hummingbird box

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)	OXY-2 Comments
Cruise Number:	2022-015	1							1					
Event:	50	2							2					
Station:	LD08	3			115A		115B	116	3					
Event Date (Local):	07-05-22	4			OXY		OXY	OXY	4					
Analysis Date (Local):	16 May 2022	5			LD08		LD08	LD08	5					
Analyst:	KS	6			2022-015		2022-015	2022-015	6					
Stdization Date (Local):	16 May 2022	7			30 m		30 m	20 m	7					
KIO ₃ N:	0.0120597	8			bot 14		bot 14	bot 15	8					
Standard Titer:	0.50575	9						bot 16	9					
Blank Titer:	0.00008	10						bot 17	10					
THIO N:	0.23928	11							11					
Sample Flask Water Seal?	Yes	12							12					
	No	13							13					
Reagent Change?	MnCl ₂	14		115A	970	9.3	6.753		14	115B	971	9.3	6.755	
(Please circle reagent that was changed prior to sampling and standardization)	NaI/NaOH	15		116	972	9.4	6.767		15					
NOTE NEW BATCH IN LOG BOOK	H ₂ SO ₄	16		117	973	9.5	6.762	6.762	16					
	KIO ₃	17		118	974	9.5	6.762		17					
	THIO	18							18					
Notes:		19							19					
		20							20					
14 - Chicken & Egg.xlsx		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: December 2019

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)	OXY-2 Comments
Cruise Number:	2022-022	1		119	975	4.1	0.456							1					
Event:	57	2		120	976	4.5	0.227							2					
Station:	LC10	3		121A	977	5.3	0.256							3	121B	978	5.4	0.233	
Event Date (Local):	08-05-22	4		122	979	5.9	0.657							4					
Analysis Date (Local):	16 May 2022	5		123	980	6.3	1.123							5					
Analyst:	KS	6		124	981	6.8	1.816							6					
Stdization Date (Local):	16 May 2022	7		125	982	7.2	2.022							7					> leaky valve
KIO ₃ N:	0.0120457	8		126	983	7.4	2.638							8					
Standard Titer:	0.50575	9		127A	984	7.6	2.708							9	127B	985	7.7	2.709	
Blank Titer:	0.00008	10		128	986	7.9	2.912							10					
THIO N:	0.23928	11		129	987	8.7	3.059							11					
Sample Flask Water Seal?	Yes	12		130	988	8.2	3.801							12					
	No	13		131	989	8.2	5.274							13					
Reagent Change?	MnCl ₂	14		132	990	8.4	6.846							14					
(Please circle reagent that was changed prior to sampling and standardization)	NaI/NaOH	15		133	991	9.0	6.864							15					
	H ₂ SO ₄	16		134	992	9.2	6.831							16					
NOTE NEW BATCH IN LOG BOOK	KIO ₃	17		135A	993	9.5	6.749							17	135B	994	9.5	6.751	
	THIO	18		136	995	9.5	6.746							18					

119	120	121A	121B	122	123	124	125	126	127A	127B	128	129	130	131	132
OXY	OXY	OXY	OXY	OXY	OXY	OXY	OXY	OXY	OXY	OXY	OXY	OXY	OXY	OXY	OXY
LC10	LC10	LC10	LC10	LC10	LC10	LC10	LC10	LC10	LC10	LC10	LC10	LC10	LC10	LC10	LC10
2022-022	2022-022	2022-022	2022-022	2022-022	2022-022	2022-022	2022-022	2022-022	2022-022	2022-022	2022-022	2022-022	2022-022	2022-022	2022-022
Bot-10 m	1000 m	750 m	750 m	500 m	400 m	300 m	250 m	200 m	175 m	175 m	150 m	125 m	100 m	75 m	50 m
bot 1	bot 2	bot 3	bot 3	bot 4	bot 5	bot 6	bot 7	bot 8	bot 9	bot 9	bot 10	bot 11	bot 12	bot 13	bot 14

133 OXY LC10 2022-022 30 m bot 15
134 OXY LC10 2022-022 20 m bot 16
135A OXY LC10 2022-022 10 m bot 17
135B OXY LC10 2022-022 10 m bot 17
136 OXY LC10 2022-022 5 m bot 18

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: December 2019

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)	OXY-2 Comments
Cruise Number:	2022-015	1		137	996	8.7	4.562		1					
Event:	59	2		138	997	8.8	4.846		2					
Station:	LB01	3		139	998	9.3	5.860		3					
Event Date (Local):	08-05-22	4		140	999	10.1	7.237		4					
Analysis Date (Local):	16 May 2022	5							5					
Analyst:	KS	6							6					
Stdization Date (Local):	16 May 2022	7							7					
KIO ₃ N:	0.012057	8							8					
Standard Titer:	0.50575	9							9					
Blank Titer:	0.00008	10							10					
THIO N:	0.23928	11							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					
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: December 2019

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)	OXY-2 Comments
Cruise Number:	2022-015	1		142	3206	8.4	3.924		1					
Event:	60	2		143	3178	8.7	4.552		2					
Station:	LB02	3		144A	1085	8.9	4.846		3	144B	3196	8.9	4.845	
Event Date (Local):	08-05-22	4		145	3171	9.9	6.857		4					
Analysis Date (Local):	16 May 2022	5		146	3174	10.1	7.114		5					
Analyst:	KS	6							6					
Stdization Date (Local):	16 May 2022	7							7					
KIO ₃ N:	0.0120597	8		142	143		144A	144B	145	146				
Standard Titer:	0.50575	9		OXY	OXY		OXY	OXY	OXY	OXY				
Blank Titer:	0.00008	10		LB02	LB02		LB02	LB02	LB02	LB02				
THIO N:	0.23928	11		2022-015	2022-015		2022-015	2022-015	2022-015	2022-015				
Sample Flask Water Seal?	Yes	12		Bot-10 m	30 m		20 m	20 m	10 m	5 m				
	No	13		bot 1	bot 2		bot 3	bot 3	bot 4	bot 5				
Reagent Change?	MnCl ₂	14												
(Please circle reagent that was changed prior to sampling and standardization)	NaI/NaOH	15												
NOTE NEW BATCH IN LOG BOOK	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 explain this in the comments column.

Dissolved Oxygen Analysis Log Sheet

Institute of Ocean Sciences
Water Properties Group



Last Updated: December 2019

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)	OXY-2 Comments
Cruise Number:	2022-015	1		148	1434	7.2	2.138		1					
Event:	62	2		149A	3182	7.7	2.513		2	149B	1440	7.8	2.507	
Station:	LB04	3		150	3191	8.4	4.346		3					
Event Date (Local):	08-05-22	4		151	3201	8.8	4.727		4					
Analysis Date (Local):	16 May 2022	5		152	1446	9.1	5.461		5					
Analyst:	KS	6		153	3188	10.1	7.179		6					
Stdization Date (Local):	16 May 2022	7		154	3151	10.3	7.341		7					
KIO ₃ N:	0.0120597	8		148	149A	149B	150	151	152	153	154			
Standard Titer:	0.50575	9		OXY	OXY	OXY	OXY	OXY	OXY	OXY	OXY			
Blank Titer:	0.00008	10		LB04	LB04	LB04	LB04	LB04	LB04	LB04	LB04			
THIO N:	0.23928	11		2022-015	2022-015	2022-015	2022-015	2022-015	2022-015	2022-015	2022-015			
Sample Flask Water Seal?	Yes	12		Bot-10 m	75 m	75 m	50 m	30 m	20 m	10 m	5 m			
	No	13		bot 1	bot 2	bot 2	bot 3	bot 4	bot 5	bot 6	bot 7			
Reagent Change?	MnCl ₂	14												
(Please circle reagent that was changed prior to sampling and standardization)	Na ₂ /NaOH	15												
NOTE NEW BATCH IN LOG BOOK	H ₂ SO ₄	16												
	KIO ₃	17												
	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 explain this in the comments column.

Dissolved Oxygen Analysis Log Sheet

Institute of Ocean Sciences
Water Properties Group



Last Updated: December 2019

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)	OXY-2 Comments
Cruise Number:	2022-015	1		155	3189	7.6	2.119		1					
Event:	69	2		156A	3157	7.6	2.145		2	156B	3181	7.6	2.153	
Station:	LB06	3		157	3184	8.1	3.411		3					
Event Date (Local):	09-05-22	4		158	1428	8.3	3.882		4					
Analysis Date (Local):	16 May 2022	5		159	3107	8.8	5.274		5					
Analyst:	KS	6		160	3160	9.4	6.118		6					
Stdization Date (Local):	16 May 2022	7		161	1417	9.9	6.918		7					
KIO ₃ N:	0.0120597	8		162	3177	10.2	7.426		8					
Standard Titer:	0.50575	9							9					
Blank Titer:	0.00008	10							10					
THIO N:	0.23928	11							11					
Sample Flask Water Seal?	Yes	12							12					
	No	13		155	156A	156B	157	158	159	160	161	162		
		14		OXY	OXY	OXY	OXY	OXY	OXY	OXY	OXY	OXY		
Reagent Change?	MnCl ₂	15		LB06	LB06	LB06	LB06	LB06	LB06	LB06	LB06	LB06		
(Please circle reagent that was changed prior to sampling and standardization)	NaI/NaOH	16		2022-015	2022-015	2022-015	2022-015	2022-015	2022-015	2022-015	2022-015	2022-015		
NOTE NEW BATCH IN LOG BOOK	H ₂ SO ₄	17		Bot-10 m	100 m	100 m	75 m	50 m	30 m	20 m	10 m	5 m		
	KIO ₃	18		bot 1	bot 2	bot 2	bot 3	bot 4	bot 5	bot 6	bot 7	bot 8		
	THIO	19												
Notes:		20												
		21												
3 - Redwoods.xlsx		22												
		23												
		24												

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

Dissolved Oxygen Analysis Log Sheet

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Last Updated: December 2019

Samples continue in Frog box

not correct. Assigned randomly for analysis

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)	OXY-2 Comments
Cruise Number:	2022-15	1		164	3207	4.5	0.274		1					
Event:	07001	2		165A	3198	4.8	0.401		2	165B	1443	4.9	0.262	
Station:	LB14	3		166	3204	5.5	0.235		3					
Event Date (Local):	09-05-22	4		167	1433	6.1	0.687		4					
Analysis Date (Local):	16 May 2022	5		168	1413	6.5	1.013		5					
Analyst:	KS	6		169	1427	7.1	1.698		6					
Stdization Date (Local):	16 May 2022	7							7					
KIO ₃ N:	0.0120957	8		164	165A	165B	166	167	168	169				
Standard Titer:	0.50575	9		OXY	OXY	OXY	OXY	OXY	OXY	OXY				
Blank Titer:	0.00068	10		LB14	LB14	LB14	LB14	LB14	LB14	LB14				
THIO N:	0.23928	11		2022-15	2022-15	2022-15	2022-15	2022-15	2022-15	2022-15				
Sample Flask Water Seal?	Yes	12		Bot-10 m	1000 m	1000 m	750 m	500 m	400 m	300 m				
	No	13		bot 1	bot 2	bot 2	bot 3	bot 4	bot 5	bot 6				
Reagent Change?	MnCl ₂	14		176										
(Please circle reagent that was changed prior to sampling and standardization)	NaI/NaOH	15		177										
NOTE NEW BATCH IN LOG BOOK	H ₂ SO ₄	16		178										
	KIO ₃	17		179										
	THIO	18		180										
Notes:		19		181										
		20												
		21												
		22												
		23												
		24												

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

Dissolved Oxygen Analysis Log Sheet

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Water Properties Group



Last Updated: December 2019

First 7 samples in Redwoods box

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)	OXY-2 Comments
Cruise Number: 2022-15	1							1					
Event: E700T	2							2					
Station: LB14	3							3					
Event Date (Local): 09-05-22	4							4					
Analysis Date (Local): 16 May 2022	5							5					
Analyst: KS	6							6					
Stdization Date (Local): 16 May 2022	7		170	161	7.5	2.112		7					
KIO ₃ N: 0.0120957	8		171	162	7.9	2.415		8					
Standard Titer: 0.50575	9		172	163	8.1	2.478		9					
Blank Titer: 0.00008	10		173	164	8.3	2.543		10					
THIO N: 0.23928	11		174A	165	8.4	3.018		11	174B	166	8.5	3.018	
Sample Flask Water Seal? Yes	12		175	167	8.5	3.767		12					
No	13		176	168	8.5	5.310		13					
Reagent Change? MnCl ₂	14		177	169	9.0	6.835		14					
(Please circle reagent that was changed prior to sampling and standardization)	15		178	170	9.5	6.718		15					
NOTE NEW BATCH IN LOG BOOK	16		179	171	9.7	6.803		16					
	17		180	172	9.8	6.851		17					
	18		181	173	9.8	6.874		18					
	19							19					

170	171	172	173	174A	174B	175	176	177	178	179	180	181
OXY	OXY	OXY	OXY	OXY	OXY	OXY	OXY	OXY	OXY	OXY	OXY	OXY
LB14	LB14	LB14	LB14	LB14	LB14	LB14	LB14	LB14	LB14	LB14	LB14	LB14
2022-15	2022-15	2022-15	2022-15	2022-15	2022-15	2022-15	2022-15	2022-15	2022-15	2022-15	2022-15	2022-15
250 m	200 m	175 m	150 m	125 m	125 m	100 m	75 m	50 m	30 m	20 m	10 m	5 m
bot 7	bot 8	bot 9	bot 10	bot 11	bot 11	bot 12	bot 13	bot 14	bot 15	bot 16	bot 17	bot 18

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
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Last Updated: December 2019

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)	OXY-2 Comments	
Cruise Number: 2021-012	1		183	174	6.2	0.750		1						
Event: > 0710T	2		184	175	6.5	1.110		2						
Station: LB12	3		185A	176	6.9	1.803		3	185B	177	6.9	1.802		
Event Date (Local): 10-05-22	4		186	178	7.2	2.011		4						
Analysis Date (Local): 17 May 2022	5		187	179	7.6	2.410		5						
Analyst: KS	6		188	180	7.9	2.536		6						
Stdization Date (Local): 16 May 2022	7		189	181	8.1	2.885		7						
KIO ₃ N: 0.0120597	8		190	182	8.3	3.351		8						
Standard Titer: 0.50575	9		191	183	8.3	3.710		9						
Blank Titer: 0.00008	10		192	184	8.6	5.992		10						
THIO N: 0.23928	11		193	185	9.2	6.754		11						
Sample Flask Water Seal? ☒ Yes	12		194	186	9.7	6.754		12						
	13		195	187	9.7	6.764		13						
Reagent Change? ☒ (Please circle reagent that was changed prior to sampling and standardization) NOTE NEW BATCH IN LOG BOOK	14		196A	188	10.0	6.767		14	196B	189	10.0	6.765		
	15		197	190	10.0	6.841		15						
	16		183	184	185A	185B	186	187	188	189	190	191	192	193
	17		OXY	OXY	OXY	OXY	OXY	OXY	OXY	OXY	OXY	OXY	OXY	OXY
	18		LB12	LB12	LB12	LB12	LB12	LB12	LB12	LB12	LB12	LB12	LB12	LB12
	19		2021-012	2021-012	2021-012	2021-012	2021-012	2021-012	2021-012	2021-012	2021-012	2021-012	2021-012	2021-012
	20		Bot-10 m	400 m	300 m	300 m	250 m	200 m	175 m	150 m	125 m	100 m	75 m	50 m
	21		bot 1	bot 2	bot 3	bot 3	bot 4	bot 5	bot 6	bot 7	bot 8	bot 9	bot 10	bot 11
	22		194	195	196A	196B	197		22					
	23		OXY	OXY	OXY	OXY	OXY		23					
	24		LB12	LB12	LB12	LB12	LB12		24					

Bottle integrity: First test the top vent (V) by o 2021-012 2021-012 2021-012 2021-012 2021-012 the appropriate column if either fails the integrity check and explain this in the comments column.

30 m	20 m	10 m	10 m	5 m
bot 12	bot 13	bot 14	bot 14	bot 15

Dissolved Oxygen Analysis Log Sheet

Institute of Ocean Sciences
Water Properties Group



Last Updated: December 2019

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)	OXY-2 Comments	
Cruise Number: 2022-015	1		198	1481	7.1	1.995		1						
Event: 82	2		199	1486	7.3	2.259		2						
Station: LB11	3		200	1489	7.6	2.432		3						
Event Date (Local): 10-05-22	4		201	1491	7.9	2.979		4						
Analysis Date (Local): 17 May 2022	5		202	1493	8.2	4.159		5						
Analyst: KS	6		203	1490	8.4	5.299		6						
Stdization Date (Local): 16 May 2022	7		204A	1449	8.7	6.710		7	204B	1445	8.7	6.710		
KIO ₃ N: 0.0120597	8		205	1467	9.3	6.733		8						
Standard Titer: 0.50575	9		206	1474	9.5	6.741		9						
Blank Titer: 0.00008	10		207	1480	10.0	7.578		10						
THIO N: 0.23928	11		208	1425	10.3	7.815		11						
Sample Flask Water Seal? ☒ Yes	12		198	199	200	201	202	203	204A	204B	205	206	207	208
No	13		OXY	OXY	OXY	OXY	OXY	OXY	OXY	OXY	OXY	OXY	OXY	OXY
Reagent Change? MnCl ₂	14		LB11	LB11	LB11	LB11	LB11	LB11	LB11	LB11	LB11	LB11	LB11	LB11
(Please circle reagent that was changed prior to sampling and standardization)	15		2022-015	2022-015	2022-015	2022-015	2022-015	2022-015	2022-015	2022-015	2022-015	2022-015	2022-015	2022-015
NaI/NaOH	16		Bot-10 m	175 m	150 m	125 m	100 m	75 m	50 m	50 m	30 m	20 m	10 m	5 m
H ₂ SO ₄	17		bot 1	bot 2	bot 3	bot 4	bot 5	bot 6	bot 7	bot 7	bot 8	bot 9	bot 10	bot 11
NOTE NEW BATCH IN LOG BOOK	18													
KIO ₃	19													
THIO	20													
Notes:	21													
	22													
4 - Bruce Lee.xlsx	23													
	24													

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

Dissolved Oxygen Analysis Log Sheet

Institute of Ocean Sciences
Water Properties Group



Last Updated: December 2019

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)	OXY-2 Comments
Cruise Number: 2022-015	1		210	1466	7.7	2.299		1					
Event: 86	2		211	1424	7.6	2.324		2					
Station: LB09	3		212	1487	7.8	2.365		3					
Event Date (Local): 10-05-22	4		213	1421	8.0	2.824		4					
Analysis Date (Local): 17 May 2022	5		214	1495	8.3	4.133		5					
Analyst: KS	6		215	1485	8.9	5.193		6					
Stdization Date (Local): 16 May 2022	7		216A	1484	9.7	6.453		7	216B	1458	9.7	6.455	
KIO ₃ N: 0.0120597	8		217	1414	10.6	8.245		8					
Standard Titer: 0.50575	9		218	1468	11.2	8.031		9					
Blank Titer: 0.00008	10							10					
THIO N: 0.23928	11		210	211	212	213	214	215	216A	216B	217	218	
	12		OXY	OXY	OXY	OXY	OXY	OXY	OXY	OXY	OXY	OXY	
Sample Flask Water Seal? ☒ Yes	13		LB09	LB09	LB09	LB09	LB09	LB09	LB09	LB09	LB09	LB09	
	14		2022-015	2022-015	2022-015	2022-015	2022-015	2022-015	2022-015	2022-015	2022-015	2022-015	
Reagent Change? MnCl ₂	15		Bot-10 m	125 m	100 m	75 m	50 m	30 m	20 m	20 m	10 m	5 m	
(Please circle reagent that was changed prior to sampling and standardization)	16		bot 1	bot 2	bot 3	bot 4	bot 5	bot 6	bot 7	bot 7	bot 8	bot 9	
NOTE NEW BATCH IN LOG BOOK	17												
	18												
Notes:	19												
	20												
4 - Bruce Lee.xlsx	21												
	22												
	23												
	24												

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

Dissolved Oxygen Analysis Log Sheet

Institute of Ocean Sciences
Water Properties Group



Last Updated: December 2019

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)	OXY-2 Comments
Cruise Number: 2022-015	1		219	1482	7.6	1.864		1					
Event: 89	2		220	1475	7.5	1.837		2					
Station: LB08	3		221A	1477	7.5	1.836		3	221B	1483	7.5	1.835	
Event Date (Local): 10-05-22	4		222	1435	7.7	1.229		4					
Analysis Date (Local): 17 May 2022	5		223	1497	7.9	2.800		5					
Analyst: KS	6		224	1448	8.3	3.810		6					
Stdization Date (Local): 16 May 2022	7		225	1476	9.0	5.314		7					
KIO ₃ N: 0.0120597	8												
Standard Titer: 0.50575	9		219	220	221A	221B	222	223	224	225			
Blank Titer: 0.00008	10		OXY	OXY	OXY	OXY	OXY	OXY	OXY	OXY			
THIO N: 0.23928	11		LB08	LB08	LB08	LB08	LB08	LB08	LB08	LB08			
Sample Flask Water Seal? Yes	12		2022-015	2022-015	2022-015	2022-015	2022-015	2022-015	2022-015	2022-015			
	13		Bot-5 m	Bot-10 m	125 m	125 m	100 m	75 m	50 m	30 m			
	14		bot 1	bot 2	bot 3	bot 3	bot 4	bot 5	bot 6	bot 7			
Reagent Change? MnCl ₂	15												
(Please circle reagent that was changed prior to sampling and standardization)	16												
NOTE NEW BATCH IN LOG BOOK	17												
	18												
Notes:	19												
	20												
4 - Bruce Lee.xlsx	21												
	22												
	23												
	24												

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

Dissolved Oxygen Analysis Log Sheet

Institute of Ocean Sciences
Water Properties Group



Last Updated: December 2019

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)	OXY-2 Comments
Cruise Number: 2022-015	1							1					
Event: 89	2		226		227		228	2					
Station: LB08	3		OXY		OXY		OXY	3					
Event Date (Local): 10-05-22	4		LB08		LB08		LB08	4					
Analysis Date (Local): 17 May 2022	5		2022-015		2022-015		2022-015	5					
Analyst: KS	6		20 m		10 m		5 m	6					
Stdization Date (Local): 16 May 2022	7		bot 8		bot 9		bot 10	7					
KIO ₃ N: 0.0120897	8		226	131	9.8	6.429		8					
Standard Titer: 0.50575	9		227	132	10.8	7.796		9					
Blank Titer: 0.00008	10		228	133	10.8	7.803	-- Very fluffy precipitate. Seems abnormal.	10					
THIO N: 0.23928	11							11					
Sample Flask Water Seal? ☒ Yes	12							12					
	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					
Notes:	19							19					
	20							20					
13 - Mermaid.xlsx	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: December 2019

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)	OXY-2 Comments
Cruise Number: 2022-015	1		230	134	7.6	1.939	Bot 5 m	1					
Event: 94	2		231	135	7.5	1.942	150 meter	2					
Station: JF2	3		232	136	7.8	2.651	100 meter	3					
Event Date (Local): 11-05-22	4		233A	137	7.9	3.127	80 meter	4	233B	138	8.0	3.134	
Analysis Date (Local): 17 May 2022	5		234	139	8.3	3.949	60 meter	5					
Analyst: KS	6		235	140	8.5	4.249	50 meter	6					
Stdization Date (Local): 16 May 2022	7	X	236	141	8.9	5.243	20 meter	7					
KIO ₃ N: 0.0120597	8		237	142	9.6	6.279	10 meter	8					
Standard Titer: 0.50575	9		238	143	10.1	7.271	5 meter	9	238A	144	10.3	7.274	
Blank Titer: 0.00008	10		239A 144					10	239B 145				not fired
THIO N: 0.23928	11							11					
Sample Flask Water Seal? ☒ Yes	12							12					
No	13		230	231	232	233A	233B	234	235	236	237		
Reagent Change? MnCl ₂	14		OXY	OXY	OXY	OXY	OXY	OXY	OXY	OXY	OXY	238A - 238B	
(Please circle reagent that was changed prior to sampling and standardization)	15		JF2	JF2	JF2	JF2	JF2	JF2	JF2	JF2	JF2	OXY - OXY	
NOTE NEW BATCH IN LOG BOOK	16		2022-015	2022-015	2022-015	2022-015	2022-015	2022-015	2022-015	2022-015	2022-015	JF2 - JF2	
H ₂ SO ₄	17		Bot-5 m	150 m	100 m	80 m	80 m	60 m	50 m	30 m	20 m	2022-015 - 2022-15	
KIO ₃	18		bot 1	bot 2	bot 3	bot 4	bot 4	bot 5	bot 6	bot 7	bot 8	10 m - 10m	
THIO	19											bot 9 - Bot 9	
Notes:	20												
	21												
	22												
	23												
	24												

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