Dissolved Oxygen Analysis Log Sheet

Institute of Ocean Sciences
Water Properties Group

IOS

dino

Last Updated: December 2019

Cruise and Analysis Information	
Cruise Number:	2021-069
Event:	14
Station:	CI08
Event Date (Local):	3June21
Analysis Date (Local):	4June21
Analyst:	Tamara
Stdization Date (Local):	3June21
KIO_3 N:	0.0118265
Standard Titer:	0.48884
Blank Titer:	0.000655
THIO N:	0.242153
Sample Flask Water Seal?	(Yes) / No
Reagent Change? (Please circle reagent that was changed prior to sampling and standardization) NOTE NEW BATCH IN LOG BOOK	$MnCl_2$ / NaI/NaOH / (H_2SO_4) / (KIO_3) / THIO
Notes:	when I ran this, looks like O2 box ~~was~~ & data file was 23801

renamed data file to 01401

OOPS

Nisk ID	Nisk Int V	Nisk Int S	Sample ID	Flask 1	Draw Temp 1 (°C)	OXY-1 (mL/L)	OXY-1 Comments
1	✓	✓	22	456	3.1	1.450	
2							
3							
4	✓	✓	25	2098	3.8	0.559	
5	✓	✓	26	611	4.6	0.248	
6	✓	✓	27A	3029	5.5	0.271	
7	✓	✓	28	3041	5.4	0.615	
8	✓	✓	29	3155	5.9	1.497	
9	✓	✓	30	3120	6.2	2.117	
10	✓	✓	31	622	6.6	2.388	
11	✓	✓	32	3044	6.9	3.129	
12	✓	✓	33	3101	7.4	3.630	
13	✓	✓	34A	3078	7.7	4.011	
14	✓	✓	35	3131	7.9	5.986	
15	✓	✓	36	3079	8.3	6.338	
16			—				
17	✓	✓	38	3142	9.9	6.658	
18	✓	✓	39	2065	10.8	6.654	
19	✓	✓	40	3133	11.0	6.805	
20	✓	✓	41	3158	11.3	6.759	
21	✓	✓	42	3005	11.3	6.754	
22							

Nisk ID	Sample ID	Flask 2	Draw Temp 2 (°C)	OXY-2 (mL/L)	OXY-2 Comments
1					
2					
3					
4					
5					
6	27B	2007	5.5	0.264	
7					
8					
9					
10					
11					
12					
13	34B	3048	~~7.7~~	4.011	☺ ☺
14					
15					
16					
17					
18					
19					
20					
21					
22					

22	25	26	27A	27B	28	29	30	31	32	33	34A	34B	35	36	38	39	40	41	42
OXY	OXY	OXY	OXY	OXY	OXY	OXY	OXY	OXY	OXY	OXY	OXY	OXY	OXY	OXY	OXY	OXY	OXY	OXY	OXY
CI08	CI08	CI08	CI08	CI08	CI08	CI08	CI08	CI08	CI08	CI08	CI08	CI08	CI08	CI08	CI08	CI08	CI08	CI08	CI08
2021-069	2021-069	2021-069	2021-069	2021-069	2021-069	2021-069	2021-069	2021-069	2021-069	2021-069	2021-069	2021-069	2021-069	2021-069	2021-069	2021-069	2021-069	2021-069	2021-069
B-5 m	1500 m	1000 m	750 m	750 m	500 m	400 m	300 m	250 m	200 m	150 m	100 m	100 m	75 m	50 m	30 m	20 m	10 m	5 m	0 m
bot 1	bot 4	bot 5	bot 6	bot 6	bot 7	bot 8	bot 9	bot 10	bot 11	bot 12	bot 13	bot 13	bot 14	bot 15	bot 17	bot 18	bot 19	bot 20	bot 21

Dissolved Oxygen Analysis Log Sheet

Institute of Ocean Sciences
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bender

Last Updated: December 2019

Cruise and Analysis Information

Cruise Number:	2021-069
Event:	17
Station:	CI06
Event Date (Local):	3Jun21
Analysis Date (Local):	4Jun21
Analyst:	Tamara
Stdization Date (Local):	3Jun21
KIO_3 N:	0.0118265
Standard Titer:	0.48884
Blank Titer:	0.000655
THIO N:	0.242153
Sample Flask Water Seal?	(Yes) No
Reagent Change? (Please circle reagent that was changed prior to sampling and standardization) NOTE NEW BATCH IN LOG BOOK	$MnCl_2$, NaI/NaOH, H_2SO_4, KIO_3, THIO — none

Notes: sample order (scribbled out)

Bottle integrity: First test the box filter

proper order: 3057, 1429, 930

Nisk ID	Nisk Int V	Nisk Int 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
1	✓	✓	45	2089	5.9	0.444		1					
2			—					2					
3			—					3					
4	✓	✓	48	371	5.6	0.460		4					
5	✓	✓	49	3009	5.9	0.759	run after sample 50	5					
6	✓	✓	50	3100	6.2	1.075	run before sample 49	6					
7	✓	✓	51A	2043	6.7	1.597		7	51B	2019	6.7	1.601	
8	✓	✓	52	3000	6.9	1.895		8					
9	✓	✓	53	2027	7.1	2.512		9					
10	✓	✓	54	3032	7.6	2.571		10					
11	✓	✓	55	2047	7.6	3.829		11					
12	✓	✓	56A	3072	7.8	4.582		12	56B	3030	7.9	4.580	☺
13	✓	✓	57	~~3019~~ 3109	8.2	5.526		13					
14			—	—				14					
15	✓	✓	59	505	9.2	6.241		15					
16	✓	✓	60	3049	10.3	6.655		16					
17	✓	✓	61	938 ~~3057~~	10.8	6.820		17					
18	✓	✓	62	429	10.9	6.814		18					
19	✓	✓	63	~~930~~ 3057	10.9	6.794		19					
20			—					20					
21			—					21					
22													

Label	Type	Station	Cruise	Depth	Bottle
45	OXY	CI06	2021-069	B-5 m	bot 1
48	OXY	CI06	2021-069	750 m	bot 4
50	OXY	CI06	2021-069	400 m	bot 6
49	OXY	CI06	2021-069	500 m	bot 5
51A	OXY	CI06	2021-069	300 m	bot 7
51B	OXY	CI06	2021-069	300 m	bot 7
52	OXY	CI06	2021-069	250 m	bot 8
53	OXY	CI06	2021-069	200 m	bot 9
54	OXY	CI06	2021-069	150 m	bot 10
55	OXY	CI06	2021-069	100 m	bot 11
56A	OXY	CI06	2021-069	75 m	bot 12
56B	OXY	CI06	2021-069	75 m	bot 12
57	OXY	CI06	2021-069	50 m	bot 13
59	OXY	CI06	2021-069	30 m	bot 15
60	OXY	CI06	2021-069	20 m	bot 16
61	OXY	CI06	2021-069	10 m	bot 17
62	OXY	CI06	2021-069	5 m	bot 18
63	OXY	CI06	2021-069	0 m	bot 19

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Cruise and Analysis Information	
Cruise Number:	2021-069
Event:	19
Station:	CI04
Event Date (Local):	4 Jun 21
Analysis Date (Local):	4 Jun 21
Analyst:	Tanner
Stdization Date (Local):	3 Jun 21
KIO_3 N:	0.0118265
Standard Titer:	0.48884
Blank Titer:	0.000655
THIO N:	0.242153
Sample Flask Water Seal?	(Yes) / No
Reagent Change? (Please circle reagent that was changed prior to sampling and standardization) NOTE NEW BATCH IN LOG BOOK	$MnCl_2$ / NaI/NaOH / H_2SO_4 / KIO_3 / THIO
	none
Notes:	date saved as 01701 ~~renamed to 01901~~

Nisk ID	Nisk Int V	Nisk Int S	Sample ID	Flask 1	Draw Temp 1 (°C)	OXY-1 (mL/L)	OXY-1 Comments
1			66	425	6.7	1.672	← needs to recalculated - used incorrect sample# + flask #
2		—					
3		—					
4			69	1465	6.7	1.920	
5			70	690	7.2	2.470	
6			71	429	7.5	3.487	
7			72A	2087	7.8	4.646	→
8			73	196	8.5	5.496	
9		—					
10			75A	933	9.5	6.246	→
11			76	1015	9.7	6.418	
12			77	569	10.8	6.846	
13			78	3007	10.8	7.203	
14			79	2000	10.8	7.190	
15							
16							
17							
18							
19							
20							
21							
22							
23							
24							

Nisk ID	Sample ID	Flask 2	Draw Temp 2 (°C)	OXY-2 (mL/L)	OXY-2 Comments
1					
2					
3					
4					
5					
6					
7	72B	B78	7.8	4.648	☺
8					
9					
10	75B	3008	9.5	6.236	
11					
12					
13					
14					
15					
16					
17					
18					
19					
20					
21					
22					
23					
24					

	66	69	70	71	72A	72B	73	75A	75B	76	77	78	79
	OXY	OXY	OXY	OXY	OXY	OXY	OXY	OXY	OXY	OXY	OXY	OXY	OXY
	CI04	CI04	CI04	CI04	CI04	CI04	CI04	CI04	CI04	CI04	CI04	CI04	CI04
	2021-069	2021-069	2021-069	2021-069	2021-069	2021-069	2021-069	2021-069	2021-069	2021-069	2021-069	2021-069	2021-069
	B-5 m	200 m	150 m	100 m	75 m	75 m	50 m	30 m	30 m	20 m	10 m	5 m	0 m
	bot 1	bot 4	bot 5	bot 6	bot 7	bot 7	bot 8	bot 10	bot 10	bot 11	bot 12	bot 13	bot 14

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.

~~box file not made yet~~

Dissolved Oxygen Analysis Log Sheet

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Last Updated: December 2019

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Cruise and Analysis Information	Nisk ID	Nisk Int V	Nisk Int 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: 2021-069	1			82	2069	6.5	1.536	no water seal	1					
Event: 23	2								2					
Station: ScoH2	3								3					
Event Date (Local): 4 Jun 21	4			85	691	6.2	1.887	no water seal	4					
Analysis Date (Local): 4 Jun 21	5			86	2040	6.9	2.203	no water seal	5					
Analyst: B Tanvar	6			87	109	7.2	2.904	no water seal	6					
Stdization Date (Local): 3 Jun 21	7			88A	94	7.5	3.568		7	88B	2075	7.5	3.572	
KIO_3 N: 0.0118265	8			89	2088	7.8	4.422		8					
Standard Titer: 0.48884	9			90	650	8.3	5.502		9					
Blank Titer: 0.000655	10								10					
THIO N: 0.242153	11			92	1470	9.5	6.336		11					
Sample Flask Water Seal? (Yes) / No — except where noted	12			93	2090	10.5	6.709		12					
	13			94	438	10.6	6.719		13					
Reagent Change? $MnCl_2$	14			95	3070	10.7	6.714		14					
(Please circle reagent that was changed prior to sampling and standardization) NaI/NaOH	15			96	3108	10.7	6.712		15					
H_2SO_4	16								16					
NOTE NEW BATCH IN LOG BOOK KIO_3	17			82	85	86	87	88A	88B	89	90	92	93	94	95
none THIO	18			OXY	OXY	OXY	OXY	OXY	OXY	OXY	OXY	OXY	OXY	OXY	OXY
Notes:	19			Scotts2	Scotts2	Scotts2	Scotts2	Scotts2	Scotts2	Scotts2	Scotts2	Scotts2	Scotts2	Scotts2	Scotts2
	20			2021-069	2021-069	2021-069	2021-069	2021-069	2021-069	2021-069	2021-069	2021-069	2021-069	2021-069	2021-069
	21			B-5 m	250 m	200 m	150 m	100 m	100 m	75 m	50 m	30 m	20 m	10 m	5 m
	22			bot 1	bot 4	bot 5	bot 6	bot 7	bot 7	bot 8	bot 9	bot 11	bot 12	bot 13	bot 14
	23			96											
	24			OXY											
				Scotts2											
				2021-069											
				0 m											
				bot 15											

Bottle integrity: First test the top vent (V) by c … er 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

Cruise and Analysis Information		Nisk ID	Nisk Int V	Nisk Int 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:	2021-069	1			99	3127	7.1	2.088		1					
Event:	29	2			—					2					
Station:	HAK1	3			—					3					
Event Date (Local):	4 Jun 2021	4			102	3145	7.7	3.261		4					
Analysis Date (Local):	5 Jun 21	5			103	2092	8.1	3.601		5					
Analyst:	Tamar	6			104	3074	8.8	5.118		6					
Stdization Date (Local):	3 Jun 21	7			—					7					
KIO_3 N:	0.0118265	8			—					8					
Standard Titer:	0.48884	9			107	471	10.4	6.465		9					
Blank Titer:	0.000655	10			108A	3046	10.8	6.854		10	108B	3073	10.9	6.866	
THIO N:	0.242153	11			109	1055	11.1	6.901		11					
Sample Flask Water Seal?	Yes / (No)	12			110	2068	11.1	6.891		12					
		13			111	3180	11.1	6.913		13					
Reagent Change?	$MnCl_2$	14								14					
(Please circle reagent that was changed prior to sampling and standardization) NOTE NEW BATCH IN LOG BOOK	NaI/NaOH	15	99			102		103		104	107	108A	108B	109	110	111
	H_2SO_4	16	OXY			OXY		OXY		OXY	OXY	OXY	OXY	OXY	OXY	OXY
	KIO_3	17	Hak1			Hak1		Hak1		Hak1	Hak1	Hak1	Hak1	Hak1	Hak1	Hak1
none	THIO	18	2021-069			2021-069		2021-069		2021-069	2021-069	2021-069	2021-069	2021-069	2021-069	2021-069
		19	B-5 m			100 m		75 m		50 m	30 m	20 m	20 m	10 m	5 m	0 m
Notes:		20	bot 1			bot 4		bot 5		bot 6	bot 9	bot 10	bot 10	bot 11	bot 12	bot 13
		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

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Last Updated: December 2019

Cruise and Analysis Information		Nisk ID	Nisk Int V	Nisk Int 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:	~~TO~~ 2021-069	1			115	456	6.9	1.815		1					
Event:	31	2								2					
Station:	CI01	3								3					
Event Date (Local):	4 Jun 21	4			118	2018	7.5	3.111		4					
Analysis Date (Local):	5 Jun 21	5			119	611	7.9	3.581		5					
Analyst:	Tamara	6			120	3029	8.4	5.298		6					
Stdization Date (Local):	3 Jun 21	7								7					
KIO_3 N:	0.0118265	8			122A	2007	9.7	6.451		8	122B	3041	9.7	6.449	☺
Standard Titer:	0.48884	9			123	3155	10.3	6.616		9					
Blank Titer:	0.000655	10			124	3120	10.4	6.579		10					
THIO N:	0.242153	11			125	622	10.5	6.563		11					
Sample Flask Water Seal?	(Yes) / No	12			126	3044	10.5	6.556		12					
Reagent Change? (Please circle reagent that was changed prior to sampling and standardization) NOTE NEW BATCH IN LOG BOOK	$MnCl_2$ / NaI/NaOH / H_2SO_4 / KIO_3 / THIO	13								13					
	None	14								14					
		15								15					
		16								16					
		17								17					
		18								18					

Notes:

	115	118	119	120	122A	122B	123	124	125
19	OXY	OXY	OXY	OXY	OXY	OXY	OXY	OXY	OXY
20	CI01	CI01	CI01	CI01	CI01	CI01	CI01	CI01	CI01
21	2021-069	2021-069	2021-069	2021-069	2021-069	2021-069	2021-069	2021-069	2021-069
22	B-5 m	100 m	75 m	50 m	30 m	30 m	20 m	10 m	5 m
23	bot 1	bot 4	bot 5	bot 6	bot 8	bot 8	bot 9	bot 10	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 explain this in the comments column.

Dissolved Oxygen Analysis Log Sheet

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Last Updated: December 2019

Cruise and Analysis Information	
Cruise Number:	2021-069
Event:	34
Station:	MS01
Event Date (Local):	5 June 21
Analysis Date (Local):	5 June 21
Analyst:	Tamara
Stdization Date (Local):	3 Jun 21
KIO_3 N:	0.0118265
Standard Titer:	0.48884
Blank Titer:	0.000655
THIO N:	0.242153
Sample Flask Water Seal?	(Yes) / No
Reagent Change? (Please circle reagent that was changed prior to sampling and standardization) NOTE NEW BATCH IN LOG BOOK	$MnCl_2$, NaI/NaOH, H_2SO_4, KIO_3, THIO — none

Nisk ID	Nisk Int V	Nisk Int S	Sample ID	Flask 1	Draw Temp 1 (°C)	OXY-1 (mL/L)	OXY-1 Comments
1	\	\	129	3078	6.8	1.909	
2	—	—	—	—	—	—	
3	—	—	—	—	—	—	
4			132	3048	7.1	2.533	
5			133	3131	7.4	2.738	
6			134	3079	7.9	3.957	
7			135	3142	8.4	6.052	
8	—	—	—	—	—	—	
9			137A	2065	9.7	6.549	
10			138	3158	10.2	—	I think I forgot to add acid maybe didn't for problem?
11			139	3005	10.2	—	
12			140	2049	10.2	6.737	
13			141	1406	10.2	6.734	
14	—	—	—	—	—	—	
15	—	—	—	—	—	—	samples 140+141 run from bottle 03402 Analyzed 06 June 21
16							
17							
18							

Nisk ID	Sample ID	Flask 2	Draw Temp 2 (°C)	OXY-2 (mL/L)	OXY-2 Comments
1					
2					
3					
4					
5					
6					
7					
8					
9	137B	3133	9.7	6.545	
10					may be not?
11					
12					
13					06 June 21
14					↓
15					stdization for these 2 samples
16					std titer = 0.488617 3
17					blank = 0.000404
18					thio N = 0.242126

Notes:

19	129	132	133	134	135	137A	137B	138	139	140	141
20	OXY	OXY	OXY	OXY	OXY	OXY	OXY	OXY	OXY	OXY	OXY
21	MS01	MS01	MS01	MS01	MS01	MS01	MS01	MS01	MS01	MS01	MS01
22	2021-069	2021-069	2021-069	2021-069	2021-069	2021-069	2021-069	2021-069	2021-069	2021-069	2021-069
23	B-5 m	150 m	100 m	75 m	50 m	30 m	30 m	20 m	10 m	5 m	0 m
24	bot 1	bot 4	bot 5	bot 6	bot 7	bot 9	bot 9	bot 10	bot 11	bot 12	bot 13

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… …umn.

Dissolved Oxygen Analysis Log Sheet

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Last Updated: December 2019

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Cruise and Analysis Information		Nisk ID	Nisk Int V	Nisk Int 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:	2021-069	1			164	425	7.2	3.267		1					
Event:	40	2			—					2					
Station:	Juan2 ~~NH~~	3			—					3					
Event Date (Local):	5 June 21	4			167	1465	7.2	3.325		4					
Analysis Date (Local):	6 June 21	5			168A	690	7.3	3.645		5	168B	429	7.3	3.635	
Analyst:	Tanera	6			169	2087	7.4	3.847		6					
Stdization Date (Local):	6 June 21	7			170	1378	7.6	4.221		7					
KIO_3 N:	0.0118265	8			171	196	8.1	5.446		8					
Standard Titer:	0.488673	9			—					9					
Blank Titer:	0.000404	10			—					10					
THIO N:	0.242126	11			174	933	8.9	6.068		11					
Sample Flask Water Seal?	(Yes) / No	12			175	3008	8.9	6.369		12					
		13			176	~~1015~~	9.8	7.413	flask 3007 (fixed for calc) + 1 addnl ml acid	13					
Reagent Change? (Please circle reagent that was changed prior to sampling and standardization) NOTE NEW BATCH IN LOG BOOK	$MnCl_2$ / NaI/NaOH / H_2SO_4 / KIO_3 / THIO	14			177	~~569~~	9.7	7.998	flask 569 (fixed for calc)	14	flask 1015 (fixed for calc)				
None		15			178	~~3007~~	9.5	7.829		15					
		16								16					
		17								17					
		18								18					

Notes:

164	167	168A	168B	169	170	171	174	175	176	177	178
OXY	OXY	OXY	OXY	OXY	OXY	OXY	OXY	OXY	OXY	OXY	OXY
Juan2	Juan2	Juan2	Juan2	Juan2	Juan2	Juan2	Juan2	Juan2	Juan2	Juan2	Juan2
2021-069	2021-069	2021-069	2021-069	2021-069	2021-069	2021-069	2021-069	2021-069	2021-069	2021-069	2021-069
B-5 m	200 m	150 m	150 m	100 m	75 m	50 m	30 m	20 m	10 m	5 m	0 m
bot 1	bot 4	bot 5	bot 5	bot 6	bot 7	bot 8	bot 11	bot 12	bot 13	bot 14	bot 15

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.

box order 3008
1015
569
3007

Dissolved Oxygen Analysis Log Sheet

Institute of Ocean Sciences
Water Properties Group

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border

Cruise and Analysis Information		Nisk ID	Nisk Int V	Nisk Int 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:	2021-069	1			181	2089	7.5	3.924		1					
Event:	42	2			—					2					
Station:	JPS1	3			—					3					
Event Date (Local):	5 Jun 21	4			184	371	7.5	4.002		4					
Analysis Date (Local):	6 Jun 21	5			185	3009	7.6	4.175		5					
Analyst:	Tamara	6			186	3100	8.1	5.236		6					
Stdization Date (Local):	6 June 21	7			—					7					
KIO_3 N:	0.0118265	8			188	2043	8.8	6.428		8					
Standard Titer:	0.4886173	9			189	2019	9.0	6.616		9					
Blank Titer:	0.000404	10			190A	3000	9.2	6.958	→	10	190B	2027	9.2	6.962	
THIO N:	0.242126	11			191	3032	9.1	6.801		11					
Sample Flask Water Seal?	(Yes) / No	12			192	2047	9.1	6.813		12					
		13								13					
Reagent Change?	$MnCl_2$	14			181										
(Please circle reagent that was changed prior to sampling and standardization) NOTE NEW BATCH IN LOG BOOK	NaI/NaOH	15			OXY										
	H_2SO_4	16			JPS1										
	KIO_3	17			2021-069										
	THIO	18			B-5 m										
None		19			bot 1										
Notes:		20								20					
		21								21					
		22								22					
		23								23					
		24								24					

184	185	186	188	189	190A	190B	191	192
OXY	OXY	OXY	OXY	OXY	OXY	OXY	OXY	OXY
JPS1	JPS1	JPS1	JPS1	JPS1	JPS1	JPS1	JPS1	JPS1
2021-069	2021-069	2021-069	2021-069	2021-069	2021-069	2021-069	2021-069	2021-069
100 m	75 m	50 m	30 m	20 m	10 m	10 m	5 m	0 m
bot 4	bot 5	bot 6	bot 8	bot 9	bot 10	bot 10	bot 11	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 explain this in the comments column.

Dissolved Oxygen Analysis Log Sheet

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Bender

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Cruise and Analysis Information		Nisk ID	Nisk Int V	Nisk Int 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:	2021-069	1			195	3030	7.2	3.228		1					
Event:	47	2								2					
Station:	JPS4	3								3					
Event Date (Local):	5 June 21	4			198	3109	7.2	3.251		4					
Analysis Date (Local):	6 June 21	5			199	505	7.2	3.284		5					
Analyst:	Tamara	6			200	3049	7.2	3.335		6					
Stdization Date (Local):	6 June 21	7			201	3057	7.3	3.453		7					
KIO_3 N:	0.0118265	8			202A	1429	7.4	3.813		8	202B	930	7.4	3.812	☺
Standard Titer:	0.4886173	9			203	1409	7.7	4.291		9					
Blank Titer:	0.000404	10			204	2032	8.3	5.648		10					
THIO N:	0.242126	11								11					
Sample Flask Water Seal?	(Yes) / No	12			206	3127	8.9	6.131		12					
		13			207	3145	9.1	6.302		13					
Reagent Change?	$MnCl_2$	14			208	2092	9.7	7.773		14					
(Please circle reagent that was changed prior to sampling and standardization) NOTE NEW BATCH IN LOG BOOK	NaI/NaOH	15			209	3074	9.8	8.004		15					
	H_2SO_4	16			210	471	9.8	8.110		16					
None	KIO_3	17								17					
	THIO	18								18					

Notes:

19	195	198	199	200	201	202A	202B	203	204	206	207	208	209
20	OXY	OXY	OXY	OXY	OXY	OXY	OXY	OXY	OXY	OXY	OXY	OXY	OXY
21	JPS4	JPS4	JPS4	JPS4	JPS4	JPS4	JPS4	JPS4	JPS4	JPS4	JPS4	JPS4	JPS4
22	2021-069	2021-069	2021-069	2021-069	2021-069	2021-069	2021-069	2021-069	2021-069	2021-069	2021-069	2021-069	2021-0
23	B-5 m	300 m	250 m	200 m	150 m	100 m	100 m	75 m	50 m	30 m	20 m	10 m	5 m
24	bot 1	bot 4	bot 5	bot 6	bot 7	bot 8	bot 8	bot 9	bot 10	bot 12	bot 13	bot 14	bot 1

210
OXY
JPS4
2021-069
0 m
bot 16

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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IOS

swallow

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Cruise and Analysis Information		Nisk ID	Nisk Int V	Nisk Int 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:	2021-069	1			213	1053	7.3	3.320		1					
Event:	51	2			/					2					
Station:	JPS7	3			/					3					
Event Date (Local):	6 June 21	4			216	2069	7.3	3.744		4					
Analysis Date (Local):	6 June 21	5			217	691	7.6	4.575		5					
Analyst:	Tamara	6			218	2040	8.0	5.457		6					
Stdization Date (Local):	6 June 21	7			/					7					
KIO_3 N:	0.011826 5	8			220	1019	8.6	6.044		8	220	94	8.6	6.043	☺
Standard Titer:	0.488617 3	9			221	2075	9.0	6.283		9					
Blank Titer:	0.000404	10			222	2088	9.9	6.706		10					
THIO N:	0.242126	11			223	650	10.1	6.821		11					
Sample Flask Water Seal?	(Yes) / No	12			224	1470	10.1	6.822		12					
		13								13					
Reagent Change?	$MnCl_2$	14								14					
(Please circle reagent that was changed prior to sampling and standardization) NOTE NEW BATCH IN LOG BOOK	NaI/NaOH	15								15					
	H_2SO_4	16								16					
	KIO_3	17								17					
	None THIO	18			213	216	217	218	220A	220B	221	222	223	224	
		19			OXY	OXY	OXY	OXY	OXY	OXY	OXY	OXY	OXY	OXY	
Notes:		20			JPS7	JPS7	JPS7	JPS7	JPS7	JPS7	JPS7	JPS7	JPS7	JPS7	
		21			2021-069	2021-069	2021-069	2021-069	2021-069	2021-069	2021-069	2021-069	2021-069	2021-069	
		22			B-5 m	100 m	75 m	50 m	30 m	30 m	20 m	10 m	5 m	0 m	
		23			bot 1	bot 4	bot 5	bot 6	bot 8	bot 8	bot 9	bot 10	bot 11	bot 12	
		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

IOS

LONG NECKED DINOSAUR

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Cruise and Analysis Information		Nisk ID	Nisk Int V	Nisk Int 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:	2021-069	1			227	456	6.5	1.415		1					
Event:	56	2			—					2					
Station:	SRN1	3			—					3					
Event Date (Local):	06Jun21	4			—					4					
Analysis Date (Local):	06Jun21	5			231	2098	7.3	3.360		5					
Analyst:	Tamara	6			232	611	7.8	4.464		6					
Stdization Date (Local):	06Jun21	7			233	3029	8.4	5.175		7					
KIO_3 N:	0.0118265	8			—					8					
Standard Titer:	0.4886173	9			235	2007	9.5	6.206		9					
Blank Titer:	0.000404	10			236	3041	10.1	6.527		10					
THIO N:	0.242126	11			237A	3155	10.2	6.636		11	237B	3120	10.2	6.635	☺
Sample Flask Water Seal?	(Yes) / No	12			238	622	10.3	6.620		12					
		13			239	3044	10.3	6.616		13					
Reagent Change?	$MnCl_2$	14								14					
(Please circle reagent that was changed prior to sampling and standardization) NOTE NEW BATCH IN LOG BOOK	NaI/NaOH	15								15					
	H_2SO_4	16			227	231	232	233	235	236	237A	237B	238	239	
	KIO_3	17			OXY	OXY	OXY	OXY	OXY	OXY	OXY	OXY	OXY	OXY	
None	THIO	18			SRN1	SRN1	SRN1	SRN1	SRN1	SRN1	SRN1	SRN1	SRN1	SRN1	
		19			2021-069	2021-069	2021-069	2021-069	2021-069	2021-069	2021-069	2021-069	2021-069	2021-069	
Notes:		20			B-5 m	100 m	75 m	50 m	30 m	20 m	10 m	10 m	5 m	0 m	
		21			bot 1	bot 5	bot 6	bot 7	bot 9	bot 10	bot 11	bot 11	bot 12	bot 13	
		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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Nessie

Cruise and Analysis Information	
Cruise Number:	2021-069
Event:	102
Station:	Chat 2
Event Date (Local):	08JUN21
Analysis Date (Local):	08Jun21
Analyst:	Tamara
Stdization Date (Local):	08Jun21
KIO_3 N:	0.018265
Standard Titer:	0.4888137
Blank Titer:	0.0005888
THIO N:	0.242185
Sample Flask Water Seal?	(Yes) / No
Reagent Change? (Please circle reagent that was changed prior to sampling and standardization) NOTE NEW BATCH IN LOG BOOK	$MnCl_2$ 16, $NaI/NaOH$, H_2SO_4, KIO_3, THIO none
Notes:	

Nisk ID	Nisk Int V	Nisk Int S	Sample ID	Flask 1	Draw Temp 1 (°C)	OXY-1 (mL/L)	OXY-1 Comments
1			321	456	7.3	3.665	
2			—				
3			—				
4			324	2098	7.4	3.746	
5			325	611	7.6	4.103	
6			326	3029	7.8	4.656	
7			327	2007	7.9	5.197	
8			—				
9			329	3041	8.6	5.702	
10			330	3155	8.8	5.811	
11			331A	3120	9.3	6.282	
12			332	3044	9.3	6.390	
13			333	3101	9.6	6.640	
14			336	3078	8.2	5.455	out of order → bottle (Nisk in)
15							
16							
17							

Nisk ID	Sample ID	Flask 2	Draw Temp 2 (°C)	OXY-2 (mL/L)	OXY-2 Comments
1					
2					
3					
4					
5					
6					
7					
8					
9					
10					
11	331B	622	9.3	6.277	
12					
13					
14					
15					
16					
17					

18	321	324	325	326	327	329	330	331A	331B	332	333	336
19	OXY	OXY	OXY	OXY	OXY	OXY	OXY	OXY	OXY	OXY	OXY	OXY
20	CHAT2	CHAT2	CHAT2	CHAT2	CHAT2	CHAT2	CHAT2	CHAT2	CHAT2	CHAT2	CHAT2	2021-069
21	2021-069	2021-069	2021-069	2021-069	2021-069	2021-069	2021-069	2021-069	2021-069	2021-069	2021-069	bot 16
22	B-5 m	150 m	100 m	75 m	50 m	30 m	20 m	10 m	10 m	5 m	0 m	40 m
23	bot 1	bot 4	bot 5	bot 6	bot 7	bot 9	bot 10	bot 11	bot 11	bot 12	bot 13	
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.

Nessie

Dissolved Oxygen Analysis Log Sheet

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Cruise and Analysis Information		Nisk ID	Nisk Int V	Nisk Int 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:	2021-069	1			337	3048	7.4	3.798		1					
Event:	103	2								2					
Station:	CH21	3								3					
Event Date (Local):	08JUN/21	4			340	3131	7.5	4.033		4					
Analysis Date (Local):	08Jun21	5			341	3059	7.7	4.602		5					
Analyst:	Tamara	6			342	3142	8.7	5.355	A	6	342	2065	8.7	5.364	B
Stdization Date (Local):	08Jun21	7								7					
KIO_3 N:	0.0118625	8			344	3133	9.7	6.246		8					
Standard Titer:	0.4888137	9			345	3158	9.4	6.138		9					
Blank Titer:	0.0005888	10			346	3005	9.1	6.080		10					
THIO N:	0.242185	11			347	2049	10.1	6.707	) lots of sediment	11					
Sample Flask Water Seal?	(Yes) / No	12			348	1406	10.8			12					
		13								13					
		14								14					
Reagent Change?	$MnCl_2$	15			337	340	341	342A	342B	344	345	346	347	348	
(Please circle reagent that was changed prior to sampling and standardization) NOTE NEW BATCH IN LOG BOOK	NaI/NaOH	16			OXY	OXY	OXY	OXY	OXY	OXY	OXY	OXY	OXY	OXY	
	H_2SO_4	17			CH21	CH21	CH21	CH21	CH21	CH21	CH21	CH21	CH21	CH21	
	KIO_3	18			2021-069	2021-069	2021-069	2021-069	2021-069	2021-069	2021-069	2021-069	2021-069	2021-069	
new	THIO	19			100 m	75 m	50 m	50 m	30 m	20 m	10 m	5 m	0 m		
Notes:		20			bot 4	bot 5	bot 6	bot 6	bot 8	bot 9	bot 10	bot 11	bot 12		
		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

blender

IOS

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Cruise and Analysis Information	
Cruise Number:	2021-069
Event:	106
Station:	CH26
Event Date (Local):	08 Jun 21
Analysis Date (Local):	09 Jun 21
Analyst:	Tamara
Stdization Date (Local):	08 Jun 21
KIO_3 N:	0.0118625
Standard Titer:	0.488B137
Blank Titer:	0.000588
THIO N:	0.242185
Sample Flask Water Seal?	(Yes) / No
Reagent Change? (Please circle reagent that was changed prior to sampling and standardization) NOTE NEW BATCH IN LOG BOOK	$MnCl_2$, NaI/NaOH, H_2SO_4, KIO_3, THIO — none
Notes:	

Nisk ID	Nisk Int V	Nisk Int S	Sample ID	Flask 1	Draw Temp 1 (°C)	OXY-1 (mL/L)	OXY-1 Comments
1		\	379	2088	8.7	5.295	
2		\	380	3711	8.2	5.426	
3			381	3009	9.4	6.198	A
4			382	2043	9.6	6.265	
5			383	2019	9.8	6.307	
6			384	3000	9.5	6.370	
7			385	2027	9.3	6.812	way lots of silt
8							
9							
10							
11							
12							
13							
14							
15							
16			379	380	381A	381B	382	383	384	385
17			OXY	OXY	OXY	OXY	OXY	OXY	OXY	OXY
18			CH26	CH26	CH26	CH26	CH26	CH26	CH26	CH26
19			2021-069	2021-069	2021-069	2021-069	2021-069	2021-069	2021-069	2021-069
20			B-5 m	50 m	30 m	30 m	20 m	10 m	5 m	0 m
21			bot 1	bot 2	bot 3	bot 3	bot 4	bot 5	bot 6	bot 7
22							
23							
24							

Nisk ID	Sample ID	Flask 2	Draw Temp 2 (°C)	OXY-2 (mL/L)	OXY-2 Comments
1					
2					possible integrity fail
3	381	3100	9.4	6.196	B ☺
4					
5					
6					
7					
8					
9					
10					
11					
12					
13					
14					
15					
16					
17					
18					
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

IOS

bender

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Cruise and Analysis Information		Nisk ID	Nisk Int V	Nisk Int 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:	2021-069	1			386	2047	7.4	4.054		1					
Event:	107	2			~~	~~				2					
Station:	CHAT1	3			~~	~~				3					
Event Date (Local):	09 Jun 21	4			389	3072	7.5	4.286		4					
Analysis Date (Local):	09 Jun 21	5			390	3030	7.7	4.281		5					
Analyst:	Tamara	6			391A	3109	8.2	5.371	→	6	391B	505	8.2	5.374	
Stdization Date (Local):	08 Jun 21	7			~~	~~				7					
KIO_3 N:	0.0118625	8			393	3049	9.1	5.964		8					
Standard Titer:	0.4888137	9			394	3057	8.8	5.837		9					
Blank Titer:	0.0005888	10			395	~~429~~	9.3	6.246		10					
THIO N:	0.242185	11			396	930	10.2	6.885	] silty	11					
Sample Flask Water Seal?	(Yes) / No	12			397	1409	10.9	7.228		12					
		13								13					
		14								14					
Reagent Change?	$MnCl_2$	15	386		389		390	391A	391B	393	394	395	396	397	
(Please circle reagent that was changed prior to sampling and standardization) NOTE NEW BATCH IN LOG BOOK	NaI/NaOH	16	OXY		OXY		OXY	OXY	OXY	OXY	OXY	OXY	OXY	OXY	
	H_2SO_4	17	CHAT1		CHAT1		CHAT1	CHAT1	CHAT1	CHAT1	CHAT1	CHAT1	CHAT1	CHAT1	
	KIO_3 None	18	2021-069		2021-069		2021-069	2021-069	2021-069	2021-069	2021-069	2021-069	2021-069	2021-069	
	THIO	19	B-5 m		100 m		75 m	50 m	50 m	30 m	20 m	10 m	5 m	0 m	
Notes:		20	bot 1		bot 4		bot 5	bot 6	bot 6	bot 8	bot 9	bot 10	bot 11	bot 12	
		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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Swallow

Cruise and Analysis Information	
Cruise Number:	2021-069
Event:	110
Station:	CH16
Event Date (Local):	09 Jun 21
Analysis Date (Local):	09 Jun 21
Analyst:	Tamara
Stdization Date (Local):	08 Jun 21
KIO_3 N:	0.0118625
Standard Titer:	0.4888137
Blank Titer:	0.0005888
THIO N:	0.242185
Sample Flask Water Seal?	(Yes) / No
Reagent Change? (Please circle reagent that was changed prior to sampling and standardization) NOTE NEW BATCH IN LOG BOOK	$MnCl_2$ / NaI/NaOH / H_2SO_4 / KIO_3 / THIO — none
Notes:	

Nisk ID	Nisk Int V	Nisk Int S	Sample ID	Flask 1	Draw Temp 1 (°C)	OXY-1 (mL/L)	OXY-1 Comments
1	•		420	425	7.1	3.205	
2							
3							
4			423	1465	7.1	3.261	
5			424	690	7.4	3.907	
6			425A	429	7.5	4.448	→
7			426	378	7.8	5.074	
8							
9			428	196	8.2	5.419	
10			429	933	8.5	5.604	
11			430	3008	8.8	5.941	
12			431	1015	10.8	7.204	} silty
13			432	569	11.2	7.374	
14							
15	420		423	424	425A	425B	426
16	OXY		OXY	OXY	OXY	OXY	OXY
17	CH16		CH16	CH16	CH16	CH16	CH16
18	2021-069		2021-069	2021-069	2021-069	2021-069	2021-069
19	b-5 m		150 m	100 m	75 m	75 m	50 m
20	bot 1		bot 4	bot 5	bot 6	bot 6	bot 7
21							
22							
23							
24							

Nisk ID	Sample ID	Flask 2	Draw Temp 2 (°C)	OXY-2 (mL/L)	OXY-2 Comments
1					
2					
3					
4					
5					
6	425B	2087	7.6	4.451	
7					
8					
9					
10					
11					
12					
13					
14					
15	428	429	430	431	432
16	OXY	OXY	OXY	OXY	OXY
17	CH16	CH16	CH16	CH16	CH16
18	2021-069	2021-069	2021-069	2021-069	2021-069
19	30 m	20 m	10 m	5 m	0 m
20	bot 9	bot 10	bot 11	bot 12	bot 13
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

IOS

Nessie

Last Updated: December 2019

Cruise and Analysis Information	
Cruise Number:	2021-069
Event:	116
Station:	CHAT3
Event Date (Local):	10 Jun 21
Analysis Date (Local):	12 Jun 21
Analyst:	Tamara
Stdization Date (Local):	12 Jun 21
KIO_3 N:	0.0118265
Standard Titer:	0.4943497
Blank Titer:	0.0006418
THIO N:	0.239339
Sample Flask Water Seal?	(Yes) / No
Reagent Change? (Please circle reagent that was changed prior to sampling and standardization) NOTE NEW BATCH IN LOG BOOK	$MnCl_2$ / NaI/NaOH / H_2SO_4 / KIO_3 / THIO — none
Notes:	

Nisk ID	Nisk Int V	Nisk Int S	Sample ID	Flask 1	Draw Temp 1 (°C)	OXY-1 (mL/L)	OXY-1 Comments
1			483	456	7.0	2.974	
2			—				
3			—				
4			486	2098	7.1	3.431	
5			487	611	7.5	4.006	
6			488	3029	8.2	5.139	
7			—				
8			490	2007	9.2	5.914	A
9			491	3155	9.5	6.358	
10			492	3120	9.6	6.389	
11			493	622	10.2	6.823	) silty
12			494	3044	11.1	7.272	
13							
14			483	486	487	488	490A
15			OXY	OXY	OXY	OXY	OXY
16			CHAT3	CHAT3	CHAT3	CHAT3	CHAT3
17			2021-069	2021-069	2021-069	2021-069	2021-069
18			b-5 m	100 m	75 m	50 m	30 m
19			bot 1	bot 4	bot 5	bot 6	bot 8
20							
21							
22							
23							
24							

Nisk ID	Sample ID	Flask 2	Draw Temp 2 (°C)	OXY-2 (mL/L)	OXY-2 Comments
1					
2					
3					
4					
5					
6					
7					
8	490	3041	9.3	5.922	B
9					
10					
11					
12					
13					
14	490B	491	492	493	494
15	OXY	OXY	OXY	OXY	OXY
16	CHAT3	CHAT3	CHAT3	CHAT3	CHAT3
17	2021-069	2021-069	2021-069	2021-069	2021-069
18	30 m	20 m	10 m	5 m	0 m
19	bot 8	bot 9	bot 10	bot 11	bot 12
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

IOS

BIRD

Last Updated: December 2019

Cruise and Analysis Information	
Cruise Number:	2021-069
Event:	142
Station:	MT05
Event Date (Local):	10 JUN 21
Analysis Date (Local):	12 Jun 21
Analyst:	Tamara
Stdization Date (Local):	12 Jun 21
KIO_3 N:	0.018265
Standard Titer:	0.4943497
Blank Titer:	0.000648
THIO N:	0.239339
Sample Flask Water Seal?	(Yes) / No
Reagent Change? (Please circle reagent that was changed prior to sampling and standardization) NOTE NEW BATCH IN LOG BOOK	$MnCl_2$, NaI/NaOH, H_2SO_4, KIO_3 none, THIO
Notes:	did double shake & water seal on 11 Jun ~8pm

Nisk ID	Nisk Int V	Nisk Int S	Sample ID	Flask 1	Draw Temp 1 (°C)	OXY-1 (mL/L)	OXY-1 Comments
1			547	425	6.2	1.446	
2			—				
3			—				
4			550	1465	6.3	1.569	
5			551	690	6.9	2.398	
6			552	429	7.6	4.384	
7			553	2087	7.9	5.409	
8			554	1378	8.2	6.124	A
9			—				
10			556	933	8.2	5.787	
11			557	3008	9.6	6.514	
12			558	1015	10.2	7.057	A bubble in flask before opening
13			559	3007	11.2	7.219	bubble in flask before opening
14			560	2000	11.4	7.142	bubble in flask before opening
15							
16			547	550	551	552	553	554A	554B	556	557	558A	558B	559	560
17			OXY	OXY	OXY	OXY	OXY	OXY	OXY	OXY	OXY	OXY	OXY	OXY	OXY
18			MT05	MT05	MT05	MT05	MT05	MT05	MT05	MT05	MT05	MT05	MT05	MT05	MT05
19			2021-069	2021-069	2021-069	2021-069	2021-069	2021-069	2021-069	2021-069	2021-069	2021-069	2021-069	2021-069	2021-069
20			b-5 m	200 m	150 m	100 m	75 m	50 m	50 m	30 m	20 m	10 m	10 m	5 m	0 m
21			bot 1	bot 4	bot 5	bot 6	bot 7	bot 8	bot 8	bot 10	bot 11	bot 12	bot 12	bot 13	bot 14
22															
23															
24															

Nisk ID	Sample ID	Flask 2	Draw Temp 2 (°C)	OXY-2 (mL/L)	OXY-2 Comments
1					
2					
3					
4					
5					
6					
7					
8	554	196	8.3	6.120	B
9					
10					
11					
12	558	569	10.2	7.037	B bubble in flask before opening
13					
14					
15					
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

IOS

DIWO

Last Updated: December 2019

Cruise and Analysis Information	
Cruise Number:	2021-069
Event:	148
Station:	MT11B
Event Date (Local):	11 Jun 21
Analysis Date (Local):	12 Jun 21
Analyst:	Tamara
Stdization Date (Local):	12 Jun 21
KIO_3 N:	0.0118265
Standard Titer:	0.4943497
Blank Titer:	0.0006418
THIO N:	0.239339
Sample Flask Water Seal?	(Yes) / No
Reagent Change? (Please circle reagent that was changed prior to sampling and standardization) NOTE NEW BATCH IN LOG BOOK	$MnCl_2$, NaI/NaOH, H_2SO_4, KIO_3, THIO — none
Notes:	

Nisk ID	Nisk Int V	Nisk Int S	Sample ID	Flask 1	Draw Temp 1 (°C)	OXY-1 (mL/L)	OXY-1 Comments
1			581	3078	4.9	0.450	
2							
3							
4							
5			585	3078	5.5	0.535	
6			586	3131	5.8	0.875	
7			587	3079	6.0	1.022	SFC = so fricking cold!!!
8			588	3142	6.3	1.564	
9			589	3065	6.3	2.056	A →
10			590	3158	6.6	2.702	
11			591	3005	7.1	2.553	
12			592	2049	7.5	3.795	
13			593	1406	7.8	4.226	
14			594	3037	8.2	4.932	
15							
16			596	3103	8.8	5.644	
17			597	3059	9.9	6.452	
18			598	3080	10.9	6.894	
19			599	1459	11.0	6.869	
20			600	3190	11.0	6.899	
21							

Nisk ID	Sample ID	Flask 2	Draw Temp 2 (°C)	OXY-2 (mL/L)	OXY-2 Comments
1					
2					
3					
4					
5					
6					
7					
8					
9	587	3133	6.4	2.055	B ☺
10					
11					
12					
13					
14					
15					
16					
17					
18					
19					
20					
21					

581	585	586	587	588	589A	589B	590	591	592	593	594	596	597	598	599	600
OXY	OXY	OXY	OXY	OXY	OXY	OXY	OXY	OXY	OXY	OXY	OXY	OXY	OXY	OXY	OXY	OXY
MT11B	MT11B	MT11B	MT11B	MT11B	MT11B	MT11B	MT11B	MT11B	MT11B	MT11B	MT11B	MT11B	MT11B	MT11B	MT11B	MT11B
2021-069	2021-069	2021-069	2021-069	2021-069	2021-069	2021-069	2021-069	2021-069	2021-069	2021-069	2021-069	2021-069	2021-069	2021-069	2021-069	2021-06
b-5 m	750 m	500 m	400 m	300 m	250 m	250 m	200 m	150 m	100 m	75 m	50 m	30 m	20 m	10 m	5 m	0 m
bot 1	bot 5	bot 6	bot 7	bot 8	bot 9	bot 9	bot 10	bot 11	bot 12	bot 13	bot 14	bot 16	bot 17	bot 18	bot 19	bot 20

Dissolved Oxygen Analysis Log Sheet

Institute of Ocean Sciences
Water Properties Group

IOS

Last Updated: December 2019

Swallow.

Cruise and Analysis Information		Nisk ID	Nisk Int V	Nisk Int 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:	2021-069	1			613	2069	7.5	2.830	redraw	1					
Event:	158	2			—					2					
Station:	QCS3	3			—					3					
Event Date (Local):	10Jun21	4			616	619	7.5	2.846		4					
Analysis Date (Local):	12Jun21	5			617	2040	7.6	3.009		5					
Analyst:	Tamara	6			618	1019	7.9	3.564		6					
Stdization Date (Local):	12Jun21	7			619	94	8.1	4.065		7					
KIO_3 N:	0.0118265	8			620	2075	8.5	4.634	A	8	620	2088	8.5	4.636	B :)
Standard Titer:	0.4943497	9			—					9					
Blank Titer:	0.0006418	10			622	1050	9.1	5.209		10					
THIO N:	0.239339	11			623	1470	9.6	5.866		11					
Sample Flask Water Seal?	(Yes) / No	12			624	2090	9.8	6.009		12					
		13			625	438	9.8	6.012		13					
Reagent Change?	$MnCl_2$	14			626					14					
(Please circle reagent that was changed prior to sampling and standardization) NOTE NEW BATCH IN LOG BOOK	NaI/NaOH	15			—					15					
	H_2SO_4 none	16			628	3070	9.8	6.090	bubble in flask before opened	16					
	KIO_3	17								17					
	THIO	18	613		616		617		618		619		620A		620B
		19	OXY		OXY		OXY		OXY		OXY		OXY		OXY
		20	QCS3		QCS3		QCS3		QCS3		QCS3		QCS3		QCS3
		21	2021-069		2021-069		2021-069		2021-069		2021-069		2021-069		2021-069
		22	b-5 m		200 m		150 m		100 m		75 m		50 m		50 m
		23	bot 1		bot 4		bot 5		bot 6		bot 7		bot 8		bot 8
		24								24					

Notes:	Nisk ID	Sample ID	Flask 2	Draw Temp 2 (°C)	OXY-2 (mL/L)	OXY-2 Comments
did double shake + water seal on 11 Jun ~ 8pm	1					
	2					
	3					
	4					
	5					
	6					
	7					
	8	622	2088	8.5	4.636	B :)
	9					
	10					
	11					
	12					
	13					
	14					
	15					
	16					
	17					
	18	622		623		624		625		626
	19	OXY		OXY		OXY		OXY		OXY
	20	QCS3		QCS3		QCS3		QCS3		QCS3
	21	2021-069		2021-069		2021-069		2021-069		2021-069
	22	30 m		20 m		10 m		5 m		0 m
	23	bot 10		bot 11		bot 12		bot 13		bot 16
	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.