

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:	2024-010						1		1	1314	13.8	0.058		1					
Event:	1						2		2	3034	13.9	0.051		2					
Station:	SI						3							3					
Event Date (Local):	2024-10-02						4		4	912	13.9	0.097		4					
Analysis Date (Local):	Oct 3, 2024						5							5					
Analyst:	DC						6		6	3074	14.0	2.962		6					
Stdization Date (Local):	Oct 3, 2024						7							7					
KIO ₃ N:	0.24841						8							8					
Standard Titer:	0.504338						9		9A	1429	X	3.989	put 14.1°C	9	9B	1487	14.1	4.003	
Blank Titer:	0.0000348						10		10	3133	17.0	3.357		10					
THIO N:	0.24841						11		11	178	X	4.587	put 17.0°C	11					
Sample Flask Water Seal?	☒ Yes						12		12	981	X	9.467	put 17.0°C	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					
	H ₂ SO ₄						16							16					
NOTE NEW BATCH IN LOG BOOK	KIO ₃						17							17					
	THIO						18							18					
Notes:							19							19					
							20							20					
							21							21					
							22							22					
							23							23					
							24							24					

Humm

2

1

OXY

SI

2024-010

150 m

bot 2

4

1

OXY

SI

2024-010

100 m

bot 4

6

1

OXY

SI

2024-010

50 m

bot 6

9A

1

OXY

SI

2024-010

20 m

bot 9

9B

1

OXY

SI

2024-010

20 m

bot 9

10

1

OXY

SI

2024-010

10 m

bot 10

11

1

OXY

SI

2024-010

5 m

bot 11

12

1

OXY

SI

2024-010

0 m

bot 12

appropriate column if either fails the integrity check and explain this in the comments column.

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Cruise Number: 2024-010	1		17	921	12.1	2.512		1					
Event: 07	2		18	3116	12.2	2.559		2					
Station: 56	3		19	3126	12.2	2.558		3					
Event Date (Local): 2024-10-02	4		20A	185	12.2	2.853		4	20B	3148	12.3	2.858	
Analysis Date (Local): Oct 3, 2024	5		21	122	12.1	3.006		5					
Analyst: DL	6		22	915	12.2	3.088		6					
Stdization Date (Local): Oct 3, 2024	7		23	569	12.2	3.170		7					
KIO ₃ N: 0.0125227	8		24	1425	12.3	3.404		8					
Standard Titer: 0.504338	9		25A	557	12.7	3.512		9	25B	188	12.5	3.509	sampled B first
Blank Titer: 0.0000348	10		26	2043	13.0	3.533		10					
THIO N: 0.24841	11		27	142	12.7	3.550		11					
Sample Flask Water Seal? ☒ Yes	12		28	1489	12.7	3.576		12					
	13		29	902	12.6	3.778		13					
Reagent Change? MnCl ₂	14		30	159	12.9	4.199		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					
Humming Bird.xlsx	21							21					

17 OXY 56 2024-010 bot-5 m bot 1	18 OXY 56 2024-010 200 m bot 2	19 OXY 56 2024-010 175 m bot 3	20A OXY 56 2024-010 150 m bot 4	20B OXY 56 2024-010 150 m bot 4	21 OXY 56 2024-010 125 m bot 5	22 OXY 56 2024-010 100 m bot 6	23 OXY 56 2024-010 75 m bot 7	24 OXY 56 2024-010 50 m bot 8	25A OXY 56 2024-010 40 m bot 9	25B OXY 56 2024-010 40 m bot 9	26 OXY 56 2024-010 30 m bot 10	27 OXY 56 2024-010 20 m bot 11	28 OXY 56 2024-010 10 m bot 12	29 OXY 56 2024-010 5 m bot 13	30 OXY 56 2024-010 0 m bot 14
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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)	OXY-2 Comments
Cruise Number: 2024-010	1		69	1314	12.8	3.066		1					
Event: 189	2		70	3034	13.5	3.048		2					
Station: 6	3		71A	912	12.6	3.045		3	71B	3074	12.7	3.037	
Event Date (Local): 2024-10-03	4		72	1429	12.5	2.966		4					
Analysis Date (Local): Oct 4, 2024	5		73	1487	12.4	2.805		5					
Analyst: DC	6		74	3133	12.5	2.640		6					
Stdization Date (Local): Oct 3, 2024	7		75	178	12.5	3.243		7					
KIO ₃ N: 0.0125237	8		76	981	13.1	3.652		8					
Standard Titer: 0.504238	9		77	1491	12.8	3.737		9					
Blank Titer: 0.0000348	10		78	921	13.1	4.097		10					
THIO N: 0.24841	11		79	3116	13.2	4.615		11					
Sample Flask Water Seal? ☒ Yes	12		80	3126	13.1	6.062		12					
☐ No	13		81	185	13.9	6.156		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					
	21							21					
	22							22					

Humming Bird.xlsx

69
OXY
6
2024-010
bot-5 m
bot 1

70
OXY
6
2024-010
175 m
bot 2

71A
OXY
6
2024-010
150 m
bot 3

71B
OXY
6
2024-010
150 m
bot 3

72
OXY
6
2024-010
125 m
bot 4

73
OXY
6
2024-010
100 m
bot 5

74
OXY
6
2024-010
75 m
bot 6

75
OXY
6
2024-010
50 m
bot 7

76
OXY
6
2024-010
40 m
bot 8

77
OXY
6
2024-010
30 m
bot 9

78
OXY
6
2024-010
20 m
bot 10

79
OXY
6
2024-010
10 m
bot 11

80
OXY
6
2024-010
5 m
bot 12

81
OXY
6
2024-010
0 m
bot 13

ments column.

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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)	OXY-2 Comments
Cruise Number: 2024-010	1		37	176	13.8	2.926	vent open	1					
Event: 11	2		38	189	13.8	2.995	vent open	2					
Station: 2	3		39	3075	13.7	3.042	vent open	3					vent open
Event Date (Local): 2024-10-03	4		40A	647	14.2	3.053		4	40B	439	14.0	3.059	vent open
Analysis Date (Local): Oct 4, 2024	5		41	22	14.6	3.020		5					vent open
Analyst: oe	6		42	2032	14.3	2.924		6					
Stdization Date (Local): Oct 3, 2024	7		43	910	14.3	2.814	DT	7					
KIO ₃ N: 0.0125237	8		44	2025	14.5	2.899		8					
Standard Titer: 0.504338	9		45	950	14.8	2.980		9					
Blank Titer: 0.0000348	10		46	1457	14.4	3.000		10					
THIO N: 0.24841	11		47A	3002	14.8	3.176		11	47B	3209	14.3	3.180	
Sample Flask Water Seal? ☒ Yes ☐ No	12		48	3037	14.3	3.584		12					
Reagent Change? MnCl ₂	13		49	745	13.2	5.661	OT	13					
(Please circle reagent that was changed prior to sampling and standardization)	14		50	3100	13.5	6.133		14					
NOTE NEW BATCH IN LOG BOOK	15		51	1050	13.8	6.141		15					
	16							16					
	17							17					
	18							18					
Notes:	19							19					
	20							20					
	21							21					
	22							22					

51
OXY
2
2024-010
0 m
bot 15

37
OXY
2
2024-010
bot-5 m

38
OXY
2
2024-010
250 m

39
OXY
2
2024-010
200 m

40A
OXY
2
2024-010
175 m

40B
OXY
2
2024-010
175 m
bot 4

42
OXY
2
2024-010
125 m
bot 6

43
OXY
2
2024-010
100 m
bot 7

44
OXY
2
2024-010
75 m
bot 8

45
OXY
2
2024-010
50 m
bot 9

46
OXY
2
2024-010
40 m
bot 10

47A
OXY
2
2024-010
30 m

41
OXY
2
2024-010
150 m

47B
OXY
2
2024-010
30 m
bot 11

48
OXY
2
2024-010
20 m
bot 12

49
OXY
2
2024-010
10 m
bot 13

50
OXY
2
2024-010
5 m
bot 14

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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)	OXY-2 Comments
Cruise Number: 2024-010	1		82	122	12.6	2.986		1					
Event: 22	2		83	915	12.3	2.902		2					
Station: 9	3		84	569	12.7	—	OT Volts only to 1.8 V	3					
Event Date (Local): 2024-10-03	4		85	1425	12.6	2.399	01	4					
Analysis Date (Local): Oct 4, 2024	5		86	557	12.8	3.460	OT add 2 mL = label full off	5					
Analyst: DC	6		87	188	12.9	3.213		6					
Stdization Date (Local): Oct 3, 2024	7		88	2043	12.8	3.654		7					
KIO ₃ N: 0.0125237	8		89	142	12.8	4.063		8					
Standard Titer: 0.0000348	9		90	1489	12.8	4.338		9					
Blank Titer: 0.504338	10		91A	902	13.3	5.214		10	91B	159	13.0	5.345	
THIO N: 0.24841	11		92	3104	13.5	5.923		11					
Sample Flask Water Seal? ☒ Yes	12		93	997	13.9	6.000		12					
Reagent Change? ☐ 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					
	21							21					
	22							22					

82	83	84	85	86	87	88	89	90	91A	91B	92	93
OXY	OXY	OXY	OXY	OXY	OXY	OXY	OXY	OXY	OXY	OXY	OXY	OXY
9	9	9	9	9	9	9	9	9	9	9	9	9
2024-010	2024-010	2024-010	2024-010	2024-010	2024-010	2024-010	2024-010	2024-010	2024-010	2024-010	2024-010	2024-010
bot-5 m	150 m	125 m	100 m	75 m	50 m	40 m	30 m	20 m	10 m	10 m	5 m	0 m
bot 1	bot 2	bot 3	bot 4	bot 5	bot 6	bot 7	bot 8	bot 9	bot 10	bot 10	bot 11	bot 12

in this in the comments column.

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Cruise Number:	2024-010	1		94	2098	13.9	2.958		1					
Event:	26	2		95	3114	13.5	2.971		2					
Station:	12	3		96	904	13.4	2.976		3					
Event Date (Local):	2024-10-03	4		97A	973	13.6	2.963		4	97B	196	13.6	2.961	
Analysis Date (Local):	Oct 4, 2024	5		98	1346	14.1	2.970		5					
Analyst:	PC	6		99	3005	14.6	2.885		6					
Stdization Date (Local):	Oct 3, 2024	7		100	118	13.4	2.774		7					
KIO ₃ N:	0.0125237	8		101	169	12.1	2.763		8					
Standard Titer:	0.504338	9		102	3050	12.3	2.792	Temp wrong in computer	9					
Blank Titer:	0.0000346	10		103	3044	12.0	2.901		10					
THIO N:	0.24841	11		104	941	12.0	3.029		11					
Sample Flask Water Seal?	Yes	12		105	111	12.0	3.354		12					
	No	13		106	953	11.9	4.200		13					
Reagent Change?	MnCl ₂	14		107	976	11.9	5.061		14					
(Please circle reagent that was changed prior to sampling and standardization)	NaI/NaOH	15		108	547	12.0	5.679		15					
	H ₂ SO ₄	16		109	3040	11.9	5.9161		16					
NOTE NEW BATCH IN LOG BOOK	KIO ₃	17							17					
	THIO	18							18					
Notes:		19							19					
		20							20					
Chicken & Egg.xlsx		21							21					
		22												

109
OXY
12
2024-010
0 m
bot 16

94 OXY 12 2024-010 bot-5 m bot 1	95 OXY 12 2024-010 300 m bot 2	96 OXY 12 2024-010 250 m bot 3	97A OXY 12 2024-010 200 m bot 4	97B OXY 12 2024-010 200 m bot 4	98 OXY 12 2024-010 175 m bot 5	99 OXY 12 2024-010 150 m bot 6	100 OXY 12 2024-010 125 m bot 7	101 OXY 12 2024-010 100 m bot 8	102 OXY 12 2024-010 75 m bot 9	103 OXY 12 2024-010 50 m bot 10	104 OXY 12 2024-010 40 m bot 11	105 OXY 12 2024-010 30 m bot 12	106 OXY 12 2024-010 20 m bot 13	107 OXY 12 2024-010 10 m bot 14	108 OXY 12 2024-010 5 m bot 15
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Cruise Number:	2024-010	1		111	176	11.0	2.963	Oxygen thermometer bouncing around very windy & pouring rain	1					
Event:	28	2		112A	189	11.2	2.969		2	112B	3075	11.2	2.973	OT
Station:	14	3		113	647	10.9	2.982		3					
Event Date (Local):	2024-10-04	4		114	439	11.5	2.962		4					
Analysis Date (Local):	Oct 4, 2024	5		115	22	11.3	2.961		5					
Analyst:	OC	6		116	2032	9.5	2.890		6					
Stdization Date (Local):	Oct 3, 2024	7		117	910	10.6	2.731		7					
KIO ₃ N:	0.0125237	8		118	2025	9.6	2.498		8					
Standard Titer:	0.504338	9		119	950	10.7	2.513		9					
Blank Titer:	0.0000348	10		120	1457	10.9	3.330		10					
THIO N:	0.24841	11		121	3002	9.8	3.549	11						
Sample Flask Water Seal?	☒ Yes ☐ No	12		122A	3209	12.8	2.8	3543 mL/L	12	122B	3037	9.8	3.542	
Reagent Change?	MnCl ₂	13		123	745	10.7	3.879		13					
(Please circle reagent that was changed prior to sampling and standardization)	NaI/NaOH	14		124	3100	10.7	4.247		14					
NOTE NEW BATCH IN LOG BOOK	H ₂ SO ₄	15		125	1050	11.0	4.924		15					
	KIO ₃	16		126	153	11.4	5.340		16					
	THIO	17							17					
Notes:		18							18					
		19							19					
		20							20					
		21							21					
		22							22					

125
OXY
14
2024-010
5 m
bot 15

126
OXY
14
2024-010
0 m
bot 16

111 OXY 14 2024-010 bot-5 m bot 1	112A OXY 14 2024-010 300 m bot 2	112B OXY 14 2024-010 300 m bot 2	113 OXY 14 2024-010 250 m bot 3	114 OXY 14 2024-010 200 m bot 4	115 OXY 14 2024-010 175 m bot 5	116 OXY 14 2024-010 150 m bot 6	117 OXY 14 2024-010 125 m bot 7	118 OXY 14 2024-010 100 m bot 8	119 OXY 14 2024-010 75 m bot 9	120 OXY 14 2024-010 50 m bot 10	121 OXY 14 2024-010 40 m bot 11	122A OXY 14 2024-010 30 m bot 12	122B OXY 14 2024-010 30 m bot 12	123 OXY 14 2024-010 20 m bot 13	124 OXY 14 2024-010 10 m bot 14
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Cruise Number:	2024-010	1		128	2098	10.5	2.954		1					
Event:	34	2		129	3114	10.4	2.949		2					
Station:	QU39	3		130	904	10.4	2.944		3					
Event Date (Local):	2024-10-04	4		131	973	10.4	2.805		4					
Analysis Date (Local):	Oct 5, 2024	5		132	196	10.4	2.497		5					
Analyst:	pe	6		133A	1346	10.4	2.597		6	133B	3005	10.5	2.591	
Stdization Date (Local):	Oct 5, 2024	7		134	118	10.6	3.007		7					
KIO ₃ N:	0.0125237	8		135	169	11.0	3.095		8					
Standard Titer:	0.5054138	9		136	3050	12.0	4.269		9					
Blank Titer:	0.0001211	10		137	3044	13.0	4.895		10					
THIO N:	0.247941	11		138	941	13.2	5.511		11					
Sample Flask Water Seal?	Yes	12		139	111	13.3	5.545		12					
	No	13		140	953	13.3	5.511		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					
Chicken & Egg.xlsx		21							21					

128
OXY
QU39
2024-010
bot-5 m

bot 1

129
OXY
QU39
2024-010
250 m
bot 2

130
OXY
QU39
2024-010
200 m
bot 3

132
OXY
QU39
2024-010
100 m
bot 5

131
OXY
QU39
2024-010
150 m
bot 4

133A
OXY
QU39
2024-010
75 m
bot 6

133B
OXY
QU39
2024-010
75 m
bot 6

134
OXY
QU39
2024-010
50 m
bot 7

135
OXY
QU39
2024-010
40 m
bot 8

136
OXY
QU39
2024-010
30 m
bot 9

137
OXY
QU39
2024-010
20 m
bot 10

138
OXY
QU39
2024-010
10 m
bot 11

139
OXY
QU39
2024-010
5 m
bot 12

140
OXY
QU39
2024-010
0 m
bot 13

ents column.

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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)	OXY-2 Comments
Cruise Number:	2024-010	1		142	547	10.6	2.921		1					
Event:	36	2		143	3040	10.6	2.868		2					
Station:	16	3		144	1416	10.6	2.789		3					
Event Date (Local):	2024-10-04	4		145A	971	10.9	2.929		4	145B	658	10.9	2.929	
Analysis Date (Local):	Oct 5, 2024	5		146	168	11.3	3.428		5					
Analyst:	DL	6		147	943	11.3	3.423		6					
Stdization Date (Local):	Oct 5, 2024	7		148	145	11.9	3.745		7					
KIO ₃ N:	0.0125237	8		149	986	11.6	3.758		8					
Standard Titer:	0.5054138	9		150	1493	11.8	3.937		9					
Blank Titer:	0.0001211	10		151	3090	12.6	4.938		10					
THIO N:	0.247941	11	*	152	922	12.6	4.954	bottle wasn't sealed	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					
	H ₂ SO ₄	16							16					
NOTE NEW BATCH IN LOG BOOK	KIO ₃	17							17					
	THIO	18							18					
Notes:		19							19					
		20							20					
		21							21					

Chicken & Egg.xlsx

142 OXY 16 2024-010 bot-5 m bot 1	143 OXY 16 2024-010 125 m bot 2	144 OXY 16 2024-010 100 m bot 3	145A OXY 16 2024-010 75 m bot 4	145B OXY 16 2024-010 75 m bot 4	146 OXY 16 2024-010 50 m bot 5	147 OXY 16 2024-010 40 m bot 6	148 OXY 16 2024-010 30 m bot 7	149 OXY 16 2024-010 20 m bot 8	150 OXY 16 2024-010 10 m bot 9	151 OXY 16 2024-010 5 m bot 10	152 OXY 16 2024-010 0 m bot 11
--	--	--	--	--	---	---	---	---	---	---	---

ity 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:	2024-010	1		166	176	10.7	2.832	OT	1					
Event:	45	2		167	189	10.7	2.870		2					
Station:	27	3		168	3075	10.7	2.913		3					
Event Date (Local):	2024-10-04	4		169A	647	10.8	2.920		4	169B	439	10.9	2.910	
Analysis Date (Local):	Oct 5, 2024	5		170	22	11.0	2.955		5					
Analyst:	DL	6		171	2032	10.9	2.934		6					
Stdization Date (Local):	Oct 5, 2024	7		172	910	11.0	2.945		7					
KIO ₃ N:	0.0125237	8		173	2025	11.2	2.948		8					
Standard Titer:	0.5054138	9		174	950	10.8	2.881		9					
Blank Titer:	0.0001211	10		175	1457	10.7	2.932		10					
THIO N:	0.247941	11		176	3002	11.0	3.099		11					
Sample Flask Water Seal?	Yes	12		177	3209	11.3	3.256		12					
	No	13		178A	3037	11.9	3.759		13	178B	745	11.9	3.748	
Reagent Change?	MnCl ₂	14		179	3100	13.6	5.886	5.886	14					
(Please circle reagent that was changed prior to sampling and standardization)	NaI/NaOH	15		180	1050	13.8	6.038		15					
NOTE NEW BATCH IN LOG BOOK	H ₂ SO ₄	16		181	153	13.8	6.151		16					
	KIO ₃	17							17					
	THIO	18							18					
Notes:		19							19					
		20							20					

181	180
OXY	OXY
27	27
2024-010	2024-010
0 m	5 m
bot 16	bot 15

Tall SI	167	168	169A	169B	170	171	172	173	174	175	176	177	178A	178B	179
166	OXY	OXY	OXY	OXY	OXY	OXY	OXY	OXY	OXY	OXY	OXY	OXY	OXY	OXY	OXY
27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27
2024-010	2024-010	2024-010	2024-010	2024-010	2024-010	2024-010	2024-010	2024-010	2024-010	2024-010	2024-010	2024-010	2024-010	2024-010	2024-010
bot-5 m	300 m	250 m	200 m	200 m	175 m	150 m	125 m	100 m	75 m	50 m	40 m	30 m	20 m	20 m	10 m
bot 1	bot 2	bot 3	bot 4	bot 4	bot 5	bot 6	bot 7	bot 8	bot 9	bot 10	bot 11	bot 12	bot 13	bot 13	bot 14

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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)	OXY-2 Comments
Cruise Number: 2024-010	1		200	176	11.0	2.737		1					
Event: 57	2		201	189	10.9	2.762		2					
Station: 42	3		202A	3075	11.0	2.836		3	202B	647	11.0	2.833	
Event Date (Local): 2024-10-05	4		203	439	11.0	2.889		4					
Analysis Date (Local): Oct 6, 2024	5		204	22	11.1	2.915		5					
Analyst: DE	6		205	2032	11.1	2.977		6					
Stdization Date (Local): Oct 6, 2024	7		206	910	11.4	3.064		7					
KIO ₃ N: 0.0125237	8		207	2025	11.6	3.170		8					
Standard Titer: 0.5054128	9		208A	950	11.5	3.163		9	208B	1457	11.5	3.154	
Blank Titer: 0.0001211	10		209	3002	11.3	3.124	Run out of order	10					
THIO N: 0.247941	11		210	3209	11.1	3.022		11					
Sample Flask Water Seal? ☒ Yes	12		211	3037	11.3	3.064		12					
	13		212	745	11.8	3.271		13					
Reagent Change? MnCl ₂	14		213	3100	13.4	5.074		14					
(Please circle reagent that was changed prior to sampling and standardization)	15		214	1050	13.8	5.786		15					
NaI/NaOH	16		215	153	14.0	5.854		16					
H ₂ SO ₄	17							17					
NOTE NEW BATCH IN LOG BOOK	18							18					
KIO ₃	19							19					
THIO	20							20					
Notes:	21							21					
	22							22					

Tall Ship.xlsx

200
OXY
42
2024-010
bot-5 m
bot 1

201
OXY
42
2024-010
300 m
bot 2

202A
OXY
42
2024-010
250 m
bot 3

202B
OXY
42
2024-010
250 m
bot 3

203
OXY
42
2024-010
200 m
bot 4

204
OXY
42
2024-010
175 m
bot 5

205
OXY
42
2024-010
150 m
bot 6

206
OXY
42
2024-010
125 m
bot 7

207
OXY
42
2024-010
100 m
bot 8

209
OXY
42
2024-010
50 m
bot 10

208A
OXY
42
2024-010
75 m
bot 9

208B
OXY
42
2024-010
75 m
bot 9

210
OXY
42
2024-010
40 m
bot 11

211
OXY
42
2024-010
30 m
bot 12

212
OXY
42
2024-010
20 m
bot 13

213
OXY
42
2024-010
10 m
bot 14

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)	OXY-2 Comments
Cruise Number: 2024-010	1		229	2098	10.1	2.581		1					
Event: 70	2		230	3114	10.1	2.607		2					
Station: 59	3		231	904	10.1	2.638		3					
Event Date (Local): 2024-10-05	4		232	973	10.1	2.652		4					
Analysis Date (Local): Oct 6, 2024	5		233A	196	10.2	2.726		5	233B	1346	10.3	2.715	
Analyst: De	6		234	3005	11.0	3.298		6					
Stdization Date (Local): Oct 6, 2024	7		235	118	11.0	3.283		7					
KIO ₃ N: 0.0125237	8		236	169	11.3	3.581		8					
Standard Titer: 0.5054138	9		237	3050	11.5	3.794		9					
Blank Titer: 0.000121	10		238A	3044	11.5	3.868		10	238B	941	11.5	3.873	
THIO N: 0.247941	11		239	111	11.6	3.951		11					
Sample Flask Water Seal? ☒ Yes	12		240	953	11.6	3.997		12					
No	13		241	976	11.6	4.048	OT	13					
Reagent Change? MnCl ₂	14		242	547	11.6	4.037		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					
	21							21					

Chicken & Egg.xlsx

229	230	231	232	233A	233B	234	235	236	237	238A	238B	239	240	241	242
OXY	OXY	OXY	OXY	OXY	OXY	OXY	OXY	OXY	OXY	OXY	OXY	OXY	OXY	OXY	OXY
59	59	59	59	59	59	59	59	59	59	59	59	59	59	59	59
2024-010	2024-010	2024-010	2024-010	2024-010	2024-010	2024-010	2024-010	2024-010	2024-010	2024-010	2024-010	2024-010	2024-010	2024-010	2024-010
bot-5 m	200 m	175 m	150 m	125 m	125 m	100 m	75 m	50 m	40 m	30 m	30 m	20 m	10 m	5 m	0 m
bot 1	bot 2	bot 3	bot 4	bot 5	bot 5	bot 6	bot 7	bot 8	bot 9	bot 10	bot 10	bot 11	bot 12	bot 13	bot 14

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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)	OXY-2 Comments
Cruise Number:	2024-010	1		244	176	9.3	2.170	OT	1					
Event:	73	2		245	189	9.3	2.221		2					
Station:	62	3		246	3075	9.9	2.613		3					
Event Date (Local):	2024-10-06	4		247A	647	10.3	2.984		4	247B	439	10.3	2.980	
Analysis Date (Local):	Oct 6, 2024	5		248	22	10.5	3.185		5					
Analyst:	de	6		249	2032	10.6	3.201		6					
Stdization Date (Local):	Oct 5, 2024	7		250	910	10.7	3.309		7					
KIO ₃ N:	0.0125237	8		251	2025	10.9	3.491		8					
Standard Titer:	0.5054138	9		252	950	11.0	3.594		9					
Blank Titer:	0.0001211	10		253	1457	11.2	3.736		10					
THIO N:	0.247941	11		254	3002	11.4	3.920		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					

Tall Ship.xlsx

244	245	246	247A	247B	248	249	250	251	252	253	254
OXY	OXY	OXY	OXY	OXY	OXY	OXY	OXY	OXY	OXY	OXY	OXY
62	62	62	62	62	62	62	62	62	62	62	62
2024-010	2024-010	2024-010	2024-010	2024-010	2024-010	2024-010	2024-010	2024-010	2024-010	2024-010	2024-010
bot-5 m	125 m	100 m	75 m	75 m	50 m	40 m	30 m	20 m	10 m	5 m	0 m
bot 1	bot 2	bot 3	bot 4	bot 4	bot 5	bot 6	bot 7	bot 8	bot 9	bot 10	bot 11

ack and explain this in the comments column.

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)	OXY-2 Comments
Cruise Number:	2024-010	1		260	176	9.1	2.042		1					
Event:	77	2		261	189	9.2	2.123		2					
Station:	65	3		262A	3075	9.8	2.602		3	262B	647	9.9	2.547	
Event Date (Local):	2024-10-06	4		263	439	11.6	3.517		4					
Analysis Date (Local):	Oct 6, 2024	5		264	22	11.9	3.289		5					
Analyst:	DL	6		265	2032	11.0	3.417		6					
Stdization Date (Local):	Oct 5, 2024	7		266	910	11.1	3.516		7					
KIO ₃ N:	0.0125237	8		267	2025	11.4	3.871		8					
Standard Titer:	0.5054138	9		268	950	11.5	4.091		9					
Blank Titer:	0.5054138	10		269	1457	11.5	4.103		10					
THIO N:	0.247941	11							11					
Sample Flask Water Seal?	☒ Yes ☐ No	12							12					
Reagent Change?	MnCl ₂	13							13					
(Please circle reagent that was changed prior to sampling and standardization)	NaI/NaOH	14							14					
NOTE NEW BATCH IN LOG BOOK	H ₂ SO ₄	15							15					
	KIO ₃	16							16					
	THIO	17							17					
Notes:		18							18					
		19							19					
		20							20					
		21							21					
		22							22					

260
OXY
65
2024-010
bot-5 m
bot 1

261
OXY
65
2024-010
100 m
bot 2

262A
OXY
65
2024-010
75 m
bot 3

262B
OXY
65
2024-010
75 m
bot 3

263
OXY
65
2024-010
50 m
bot 4

264
OXY
65
2024-010
40 m
bot 5

265
OXY
65
2024-010
30 m
bot 6

266
OXY
65
2024-010
20 m
bot 7

267
OXY
65
2024-010
10 m
bot 8

268
OXY
65
2024-010
5 m
bot 9

269
OXY
65
2024-010
0 m
bot 10

Integrity check and explain this in the comments column.

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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)	OXY-2 Comments
Cruise Number:	2024-010	1		270	2098	8.9	1.811		1					
Event:	81	2		271	3114	8.9	1.883		2					
Station:	adcp	3		272	904	9.5	2.266		3					
Event Date (Local):	2024-10-06	4		273	973	10.3	2.862		4					
Analysis Date (Local):	Oct 7, 2024	5		274	196	10.4	2.914		5					
Analyst:	de	6		275	1346	10.7	3.155		6					
Stdization Date (Local):	Oct 7, 2024	7		276	3005	10.9	3.255		7					
KIO ₃ N:	0.0125237	8		277	118	11.1	3.437		8					
Standard Titer:	0.05056921	9		278	169	11.6	3.943		9					
Blank Titer:	0.0004832	10		279	3050	11.7	4.001		10					
THIO N:	0.247956	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					
Chicken & Egg.xlsx		21							21					
		22							22					
		23							23					
		24							24					

If either fails the integrity check and explain this in the comments column.

270
OXY
adcp
2024-010
bot-5 m
bot 1

271
OXY
adcp
2024-010
100 m
bot 2

272
OXY
adcp
2024-010
75 m
bot 3

273
OXY
adcp
2024-010
50 m
bot 4

274
OXY
adcp
2024-010
40 m
bot 5

275
OXY
adcp
2024-010
30 m
bot 6

276
OXY
adcp
2024-010
20 m
bot 7

277
OXY
adcp
2024-010
10 m
bot 8

278
OXY
adcp
2024-010
5 m
bot 9

279
OXY
adcp
2024-010
0 m
bot 10

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Cruise and Analysis Information						OXY-1 Comments						OXY-2 Comments					
	Nisk ID	Nisk Int V S	Sample ID	Flask 1	Draw Temp 1 (°C)	OXY-1 (mL/L)		Nisk ID	Sample ID	Flask 2	Draw Temp 2 (°C)	OXY-2 (mL/L)					
Cruise Number: 2024-010	1	X	281	941	8.5	1.254		1									
Event: 84	2		282	111	8.4	1.244		2									
Station: 69	3		283	953	8.5	1.242		3									
Event Date (Local): 2024-10-06	4		284A	976	8.6	1.228		4	284B	547	8.6	1.228					
Analysis Date (Local): Oct. 7, 2024	5		285	3040	9.3	2.202	Run out of order	5									
Analyst: DE	6		286	1416	10.0	3.028		6									
Stdization Date (Local): Oct 7, 2024	7		287	971	10.1	3.048		7									
KIO ₃ N: 0.0125237	8		288	658	10.3	3.090		8									
Standard Titer: 0.5056911	9		289	168	10.9	3.439		9									
Blank Titer: 0.0004832	10		290A	943	11.1	3.621		10	290B	145	11.1	3.617					
THIO N: 0.247956	11		291	986	11.2	3.676		11									
Sample Flask Water Seal? Yes	12		292	1493	11.3	3.693		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									
	19							19									
Notes:	20							20									
	21							21									
	22							22									

282 OXY 69

283 OXY 69

285 OXY 69

284A OXY 69

284B OXY 69

286 OXY 69

287 OXY 69

288 OXY 69

289 OXY 69

290A OXY 69

290B OXY 69

291 OXY 69

292 OXY 69

Notes:

Chicken & Egg.xlsx

281 OXY 69 2024-010 bot-5 m bot 1

282 OXY 69 2024-010 150 m bot 2

283 OXY 69 2024-010 125 m bot 3

285 OXY 69 2024-010 75 m bot 5

284A OXY 69 2024-010 100 m bot 4

284B OXY 69 2024-010 100 m bot 4

286 OXY 69 2024-010 50 m bot 6

287 OXY 69 2024-010 40 m bot 7

288 OXY 69 2024-010 30 m bot 8

289 OXY 69 2024-010 20 m bot 9

290A OXY 69 2024-010 10 m bot 10

290B OXY 69 2024-010 10 m bot 10

291 OXY 69 2024-010 5 m bot 11

292 OXY 69 2024-010 0 m bot 12

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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)	OXY-2 Comments
Cruise Number:	2024-010	1		293A	176	8.4	1.308		1	293B	189	8.4	1.780	2 x OT
Event:	88	2		294	3075	8.3	1.311		2					
Station:	72	3		295	647	8.3	1.313		3					
Event Date (Local):	2024-10-06	4		296	439	8.3	1.317		4					
Analysis Date (Local):	Oct 7, 2024	5		297	22	8.4	1.430		5					
Analyst:	DL	6		298A	2032	9.0	1.681		6	298B	910	9.0	1.686	OT
Stdization Date (Local):	Oct 7, 2024	7		299	2025	10.2	2.802	daniel draws ↑ rest	7					
KIO ₃ N:	0.0125237	8		300	950	10.4	3.116	Kelly was drawing / Daniel pickling all shift prev.	8					
Standard Titer:	0.5056921	9		301	1457	10.4	3.396		9					
Blank Titer:	0.0004832	10		302	3002	10.6	3.452		10					
THIO N:	0.247956	11		303	3209	10.8	3.727		11					
Sample Flask Water Seal?	Yes	12		304	3037	10.9	3.824		12					
	No	13		305	745	11.1	4.030		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					

293A	293B	294	295	296	297	298A	298B	299	300	301	302	303	304	305
OXY	OXY	OXY	OXY	OXY	OXY	OXY	OXY	OXY	OXY	OXY	OXY	OXY	OXY	OXY
72	72	72	72	72	72	72	72	72	72	72	72	72	72	72
2024-010	2024-010	2024-010	2024-010	2024-010	2024-010	2024-010	2024-010	2024-010	2024-010	2024-010	2024-010	2024-010	2024-010	2024-010
bot-5 m	bot-5 m	175 m	150 m	125 m	100 m	75 m	75 m	50 m	40 m	30 m	20 m	10 m	5 m	0 m
bot 1	bot 1	bot 2	bot 3	bot 4	bot 5	bot 6	bot 6	bot 7	bot 8	bot 9	bot 10	bot 11	bot 12	bot 13

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Cruise and Analysis Information						OXY-1 Comments						OXY-2 Comments					
Cruise Number: 2024-010																	
Event: 91																	
Station: 102																	
Event Date (Local): 2024-10-06																	
Analysis Date (Local): Oct 7, 2024																	
Analyst: ac																	
Stdization Date (Local): Oct 7, 2024																	
KIO ₃ N: 0.0125237																	
Standard Titer: 0.5056921																	
Blank Titer: 0.0004832																	
THIO N: 0.247956																	
Sample Flask Water Seal? ☒ Yes																	
Reagent Change? MnCl ₂																	
(Please circle reagent that was changed prior to sampling and standardization)																	
NOTE NEW BATCH IN LOG BOOK																	
THIO																	
Notes:																	

307A	307B	308	309	310	311	312	313	314	315	316A	316B	317	318	319	320
OXY	OXY	OXY	OXY	OXY	OXY	OXY	OXY	OXY	OXY	OXY	OXY	OXY	OXY	OXY	OXY
102	102	102	102	102	102	102	102	102	102	102	102	102	102	102	102
2024-010	2024-010	2024-010	2024-010	2024-010	2024-010	2024-010	2024-010	2024-010	2024-010	2024-010	2024-010	2024-010	2024-010	2024-010	2024-010
bot-5 m	bot-5 m	250 m	200 m	175 m	150 m	125 m	100 m	75 m	50 m	40 m	40 m	30 m	20 m	10 m	5 m
bot 1	bot 1	bot 2	bot 3	bot 4	bot 5	bot 6	bot 7	bot 8	bot 9	bot 10	bot 10	bot 11	bot 12	bot 13	bot 14

321
OXY
102
2024-010
0 m
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:	2024-010	1		323A	130	8.3	1.248		1	323B	923	8.4	1.247	
Event:	93	2		324	3032	8.3	1.240	OT	2					
Station:	75	3		325	913	8.3	1.241		3					
Event Date (Local):	2024-10-07	4		326	126	8.3	1.207		4					
Analysis Date (Local):	Oct 6, 2024	5		327	1402	8.3	1.272		5					
Analyst:	DC	6		328	3096	8.5	1.517		6					
Stdization Date (Local):	Oct 6, 2024	7		329	3109	9.0	2.229		7					
KIO ₃ N:	0.0125237	8		330A	151	9.8	2.548	OT	8	330B	154	9.8	2.562	
Standard Titer:	0.5056924	9		331	129	10.1	3.534		9					
Blank Titer:	0.0004832	10		332	575	10.3	3.312		10					
THIO N:	0.247956	11		333	171	10.4	3.360		11					
Sample Flask Water Seal?	Yes	12		334	903	10.8	3.360		12					
	No	13		335	20	11.0	3.838		13					
Reagent Change?	MnCl ₂	14		336	1192	11.1	3.934		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					

Snail.xlsx

323A OXY 75 2024-010 bot-5 m bot 1	323B OXY 75 2024-010 bot-5 m bot 1	324 OXY 75 2024-010 200 m bot 2	325 OXY 75 2024-010 175 m bot 3	326 OXY 75 2024-010 150 m bot 4	327 OXY 75 2024-010 125 m bot 5	328 OXY 75 2024-010 100 m bot 6	329 OXY 75 2024-010 75 m bot 7	330A OXY 75 2024-010 50 m bot 8	330B OXY 75 2024-010 50 m bot 8	331 OXY 75 2024-010 40 m bot 9	332 OXY 75 2024-010 30 m bot 10	333 OXY 75 2024-010 20 m bot 11	334 OXY 75 2024-010 10 m bot 12	335 OXY 75 2024-010 5 m bot 13	336 OXY 75 2024-010 0 m bot 14
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