

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:	2025-001	1		1	130	8.4	3.917		1					
Event:	7	2		2A	923	9.4	6.498		2	2B	3032	9.5	6.505	
Station:	P1	3		3	114	9.3	6.486		3					
Event Date (Local):	2025-03-01	4							4					
Analysis Date (Local):	3 MAR 2025	5							5					
Analyst:	MB	6							6					
Stdization Date (Local):	3 MAR 2025	7							7					
KIO ₃ N:	0.0118524	8							8					
Standard Titer:	0.4799	9							9					
Blank Titer:	0.0006	10							10					
THIO N:	0.247272	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					

Snail.xlsx

(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.

1	2A	2B	3
OXY	OXY	OXY	OXY
P1	P1	P1	P1
2025-00	2025-00	2025-00	2025-001
Bot-10 n	30 m	30 m	5 m
bot 1	bot 2	bot 2	bot 3

5

OXY

P2

2025-001

Bot-10 m

bot 1

6

OXY

P2

2025-001

100 m

bot 2

7A

OXY

P2

2025-001

75 m

bot 3

7B

OXY

P2

2025-001

75 m

8

OXY

P2

2025-001

50 m

bot 4

9

OXY

P2

2025-001

30 m

bot 5

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Last Updated: December

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)		Nisk ID	Sample ID	Flask 2	Draw Temp 2 (°C)	OXY-2 (mL/L)	
1	✓	✓	5	3117	8.8	3.870	LATE GP? CHECK	1					1					
2	✓	✓	6	1465	8.7	4.141	" " "	2					2					
3	✓	✓	7A	1153	8.7	4.842		3	7B	6	8.7	4.842	3					
4	✓	✓	8	154	9.4	6.309		4					4					
5	✓	✓	9	968	9.5	6.396		5					5					
6	✓	✓	10	575	9.5	6.383		6					6					
7								7					7					
8	✓	✓	12A	117	9.4	6.220	→ WRONG FLASK ID SHOULD BE 171	8	12B	3028	9.4	6.357	8					
9	✓	✓	13	1299	9.4	6.456	CHANGE 307 FILE	9					9					
10	✓	✓	14	152	9.3	6.484		10					10					
11								11					11					
12	✓	✓	16	918	9.3	6.421		12					12					
13								13					13					
14								14					14					
15								15					15					
16								16					16					
17								17					17					
18								18					18					
19								19					19					
20								20					20					
21								21					21					
22								22					22					
23								23					23					
24								24					24					

hen 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.

28
OXY
P4
2025-001
Bot-10 m
29
OXY
P4
2025-001
1250 m
bot 2
30A
OXY
P4
2025-001
1000 m
bot 3
30B
OXY
P4
2025-001
1000 m
31
OXY
P4
2025-001
800 m
bot 4
32
OXY
P4
2025-001
600 m
bot 5

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Institute of Ocean Sciences
Water Properties Group



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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: 2025-001	1	✓	✓	28	3131	4.2	0.549	1					
Event: 14	2	✓	✓	29	1337	4.3	0.455	2					
Station: P4	3	✓	✓	30A	3150	4.8	0.250	3	30B	1392	4.9	0.247	
Event Date (Local): 2025-03-02	4	✓	✓	31	620	5.2	0.201	4					
Analysis Date (Local): 3mar2025	5	✓	✓	32	3089	5.7	0.394	5					
Analyst: MB	6	✓	✓	33	1002	6.5	1.102	6					
Stdization Date (Local): 3mar2025	7	✓	✓	34A	3025	7.3	1.691	7	34B	1050	7.2	1.664	
KIO ₃ N: 0.0118524	8	✓	✓	35	3118	7.6	1.941	8					
Standard Titer: 0.4799	9	✓	✓	36	2047	8.2	2.231	9					
Blank Titer: 0.0006	10	✓	✓	37	639	8.1	2.401	10					
THIO N: 0.247272	11	✓	✓	38	1403	8.4	2.715	11					
Sample Flask Water Seal? Yes	12	✓	✓	39A	995	8.6	2.954	12	39B	510	8.6	2.949	
No	13	✓	✓	40	3062	8.8	2.971	13					
Reagent Change? MnCl ₂	14	✓	✓	41	954	9.3	3.965	14					
(Please circle reagent that was changed prior to sampling and standardization)	15	✓	✓	42	1015	9.5	6.284	15					
NaI/NaOH	16	✓	✓	43	951	9.1	6.430	16					
H ₂ SO ₄	17	✓	✓	44A	3110	9.2	6.528	17	44B	987	9.2	6.535	
KIO ₃	18	✓	✓	45	1498	9.1	6.539	18					
THIO	19	✓	✓	46	948	9.3	6.531	19					
Notes:	20							20					
	21							21					
Earth.xlsx	22							22					

33	34A	34B	35	36	37	38	39B	39A	40	41	42	43	44A	44B	45	46
OXY	OXY	OXY	OXY	OXY	OXY	OXY	OXY	OXY	OXY	OXY	OXY	OXY	OXY	OXY	OXY	OXY
P4	P4	P4	P4	P4	P4	P4	P4	P4	P4	P4	P4	P4	P4	P4	P4	P4
2025-001	2025-001	2025-001	2025-001	2025-001	2025-001	2025-001	2025-001	2025-001	2025-001	2025-001	2025-001	2025-001	2025-001	2025-001	2025-001	2025-001
400 m	300 m	300 m	250 m	200 m	175 m	150 m	125 m	125 m	100 m	75 m	50 m	25 m	10 m	10 m	5 m	5 m
bot 6	bot 7	bot 7	bot 8	bot 9	bot 10	bot 11	bot 12	bot 13	bot 14	bot 15	bot 16	bot 17	bot 17	bot 18	bot 19	bot 19

ents column.

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59
OXY
P8
2025-001
2000 m
bot 4
60
OXY
P8
2025-001
1500 m
bot 2
61A
OXY
P8
2025-001
1250 m
61B
OXY
P8
2025-001
1250 m
bot 2
62
OXY
P8
2025-001
1000 m
bot 4
63
OXY
P8
2025-001
800 m
bot 5

64
OXY
P8
2025-00
600 m
bot 6

65
OXY
P8
2025-00
400 m
bot 7

66A
OXY
P8
2025-001
300 m
bot 8

67
OXY
P8
2025-001
250 m
bot 9

68
OXY
P8
2025-001
200 m
bot 10

69
OXY
P8
2025-001
150 m
bot 11

70A
OXY
P8
2025-001
125 m
bot 12

70B
OXY
P8
2025-001
125 m
bot 12

71
OXY
P8
2025-001
100 m
bot 13

72
OXY
P8
2025-001
75 m
bot 14

81
OXY
P8
2025-001
5 m
bot 23

80
OXY
P8
2025-001
10 m
bot 22

79
OXY
P8
2025-00
15 m
bot 21
78B
OXY
P8
2025-001
20 m
bot 20
78A
OXY
P8
2025-001
20 m
bot 20

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: 2025-001	1		59	3075	3.5	1.366	TEIRATION DISPLAY LATE - GT	1					
Event: 18	2		60	1322	3.8	0.698		2					
Station: P8	3		61A	132	4.1	0.364		3	61B	2000	4.2	0.359	LATE DISPLAY - GT
Event Date (Local): 2025-03-03	4		62	3002	4.1	0.262		4					
Analysis Date (Local): 4 MAR 2025	5		63	2089	4.5	0.261	LATE CP - GT	5					
Analyst: MB	6		64	3120	5.3	0.474		6					
Stdization Date (Local): 3 MAR 2025	7		65	1457	5.8	1.226		7					
KIO ₃ N: 0.0118524	8		66A	3020	6.4	1.795		8	66B	929	6.4	1.793	
Standard Titer: 0.4799	9		67	3135	6.7	2.286		9					
Blank Titer: 0.0006	10		68	945	7.1	2.693		10					
THIO N: 0.247272	11		69	1054	7.7	3.098		11					
Sample Flask Water Seal? Yes	12		70A	1471	8.0	3.534		12	70B	182	8.0	3.532	
No	13		71	1453	8.4	4.107		13					waky bottle
Reagent Change? MnCl ₂	14		72	957	9.0	5.948		14					
(Please circle reagent that was changed prior to sampling and standardization)	15		73	153	9.1	6.633		15					
NaI/NaOH	16		74	439	9.1	6.637		16					
H ₂ SO ₄	17		75	3199	9.1	6.643		17					
NOTE NEW BATCH IN LOG BOOK	18		76	22	9.1	6.640		18					
KIO ₃	19		77	135	9.1	6.642		19					
THIO	20		78A	991	9.1	6.648		20	78B	1477	9.1	6.641	
	21		79	176	9.1	6.648		21					
	22		80	3083	9.1	6.644		22					
	23		81	189	9.1	6.645		23					
	24							24					

Tall Ship.xlsx

105
OXY
P12
2025-001
Bot-10 m
bot 1
106A
OXY
P12
2025-001
3000 m
bot 2
106B
OXY
P12
2025-001
3000 m
bot 2
107
OXY
P12
2025-001
2500 m
bot 3
108
OXY
P12
2025-001
109
OXY
P12
2025-001
2000 m
bot 5

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128B
OXY
P12
2025-001
5 m
bot 24

128A
OXY
P12
2025-001
5 m
bot 24

127
OXY
P12
2025-001
10 m
bot 23

126
OXY
P12
2025-001
25 m
bot 22

125
OXY
P12
2025-001
50 m
bot 21

P12
2025-001
75 m
bot 20

OXY
P12
2025-001
100 m
bot 19

122
OXY
P12
2025-001
125 m
bot 18

ber 2019
121
OXY
P12
2025-001
150 m
bot 17
120B
OXY
P12
2025-001
175 m
bot 16
120A
OXY
P12
2025-001
175 m
bot 16
119
OXY
P12
2025-001
200 m
bot 15
118
OXY
P12
2025-001
250 m
bot 14

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)									
1	✓✓	105	3131	3.2	2.295		1													
2	✓✓	106A	1337	3.1	2.251		2	106B	3150	3.2	2.246									
3	✓✓	107	1392	3.2	1.931	LATE CP → OT	3													
4	✓✓	108	620	3.3	1.677		4													
5	✓✓	109	3089	3.5	1.383		5													
6	✓✓	110	1002	3.5	1.07	LATE CP → OT	6													
7	✓✓	111	3025	3.8	0.620		7													
8	✓✓	112	1050	4.0	0.365		8													
9	✓✓	113	3118	4.4	0.254		9													
10	✓✓	114	2047	4.7	0.273		10													
11	✓✓	115A	639	5.2	0.578		11	115B	1403	5.3	0.577									
12	✓✓	116	995	5.7	1.164		12													
13		117	510	6.0	2.093	* leaky bottle (top cap)	13													
14	✓✓	118	3062	6.3	2.687		14													
15	✓✓	119	954	7.0	3.574		15													
16	✓✓	120A	1015	7.2	3.775	* bottom cap maybe leaking	16	120B	951	7.2	3.779	LATE CP → OT								
17	✓✓	121	3110	7.6	3.828	LATE CP → OT	17													
18	✓✓	122	987	7.9	4.106	LATE CP → OT TITRATION DESPITE LATE.	18													
19	✓✓	123	1498	8.3	6.821		19													
20	✓✓	124	948	8.8	6.631		20													
21	✓✓	125	1178	8.9	6.673		21													
22	✓✓	126	990	9.0	6.660	BAD CURVE - OT	22													
23	✓✓	127	1105	9.0	6.661		23													
24	✓✓	128A	1094	9.0	6.652		24	128B	1393	9.0	6.667									

2025-001
2000 m
bot 5

110
OXY
P12
2025-001
1750 m
bot 6

111
OXY
P12
2025-001
1500 m
bot 7

112
OXY
P12
2025-001
1250 m
bot 8

113
OXY
P12
2025-001
1000 m
bot 9

114
OXY
P12
2025-001
800 m
bot 10

115A
OXY
P12
2025-001
600 m
bot 11

115B
OXY
P12
2025-001
600 m
bot 11

116
OXY
P12
2025-001
400 m
bot 12

117
OXY
P12
2025-001
300 m
bot 13

118
OXY
P12
2025-001
250 m
bot 14

119
OXY
P12
2025-001
200 m
bot 15

120
OXY
P12
2025-001
175 m
bot 16

121
OXY
P12
2025-001
150 m
bot 17

122
OXY
P12
2025-001
125 m
bot 18

123
OXY
P12
2025-001
100 m
bot 19

124
OXY
P12
2025-001
75 m
bot 20

125
OXY
P12
2025-001
50 m
bot 21

126
OXY
P12
2025-001
25 m
bot 22

127
OXY
P12
2025-001
10 m
bot 23

128A
OXY
P12
2025-001
5 m
bot 24

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
Cruise Number:	2025-001						1		155	3075	3.2	2.738	
Event:	32						2		156	1322	3.2	2.693	
Station:	P16						3		157	132	3.2	2.409	
Event Date (Local):	05-03-2025						4		158	2000	3.3	1.872	
Analysis Date (Local):	7 MAR 2025						5		159	3002	3.6	1.262	
Analyst:	MB						6		160	2089	3.6	0.857	
Stdization Date (Local):	7 MAR 2025						7		161A	3120	3.8	0.489	LATE DISPLAY
KIO ₃ N:	0.0118524						8		162	3020	3.9	0.315	LATE DISPLAY → OT
Standard Titer:	0.4801						9		163	929	4.2	0.290	SWITCH TO LOW O ₂
Blank Titer:	0.0006						10		164	3135	4.6	0.275	
THIO N:	0.247111						11		165	945	4.9	0.519	
Sample Flask Water Seal?	(Yes) No						12		166	1054	5.4	1.329	
Reagent Change?	MnCl ₂						13		167A	1471	5.8	2.111	BACK TO NORMAL
(Please circle reagent that was changed prior to sampling and standardization)	NaI/NaOH						14		168	1453	6.1	3.059	
NOTE NEW BATCH IN LOG BOOK	H ₂ SO ₄						15		169	957	6.6	4.267	BASIC TO NORMAL OT WEIRD CURVE
	KIO ₃						16		170	153	6.8	4.716	
	THIO						17		171A	439	7.3	5.004	
Notes:							18		172	22	7.4	5.261	VERY STR. CURVE — OT
Tall Ship.xlsx							19		173	135	8.4	6.578	
							20		174	991	8.7	6.685	
							21		175A	1477	8.8	6.689	
							22		176	3083	8.7	6.689	START COUNT TIP IN, ABOVE, S.M.R. READ
							23		177	189	8.8	6.695	
							24		178	3143	8.7	6.702	

234
OXY
P20
2025-001
Bot-10 m
bot 1

235
OXY
P20
2025-001
3500 m
bot 2
236
OXY
P20
2025-001
3000 m
bot 3
237A
OXY
P20
2025-001
2500 m
bot 4
237B
OXY
P20
2025-001
2500 m
238
OXY
P20
2025-001
2500 m
239
OXY
P20
2025-001
2000 m
bot 5

257
OXY
P20
2025-001
5 m
bot 24
256B
OXY
P20
2025-001
10 m
bot 23
256A
OXY
P20
2025-001
10 m
bot 23
255
OXY
P20
2025-001
25 m
bot 22
253
OXY
P20
2025-001
75 m
bot 20
252
OXY
P20
2025-001
100 m
bot 19

251
OXY
P20
2025-001
125 m
bot 18
250B
OXY
P20
2025-001
150 m
bot 17
250A
OXY
P20
2025-001
150 m
bot 1
248
OXY
P20
2025-001
200 m
bot 15
247
OXY
P20
2025-001
250 m
bot 1

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2025-001 Bot-10 m bot 1 235 OXY P20	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	2025-001 125 m bot 18 250B OXY P20
2025-001 3500 m bot 2 236 OXY P20	Cruise Number:	2025-001	1		234	130	3.3	2.994	OT LATE CURB.	1						
	Event:	44	2		235	923	3.3	2.847	LOW O2	2						
	Station:	P20	3		236	3032	3.3	2.485		3						
	Event Date (Local):	06-03-2025	4		237A	114	3.5	1.854		4	237B	252	3.6	1.857		
	Analysis Date (Local):	7 MAR 2025	5		238	3117	3.9	1.226		5						
	Analyst:	MRB	6		239	1465	3.7	0.830		6						
	Stdization Date (Local):	7 MAR 2025	7		240	1153	4.0	0.518		7						
	KIO ₃ N:	0.0118524	8		241	6	4.2	0.370		8						
	Standard Titer:	0.4801	9		242	154	5.2	0.337	no temp reading - faulty thermometer reading from new	9					Delay in reading T°, ~2 m.	
	Blank Titer:	0.0006	10		243A	968	5.3	0.391		10	243B	575	5.4	0.379		
	THIO N:	0.247114	11		244	171	5.7	0.543		11						
	Sample Flask Water Seal?	Yes	12		245	3028	6.0	0.996		12						
		No	13		246	1299	6.3	1.595	spigot already in OT BACK TO NORM	13						
	Reagent Change?	MnCl ₂	14		247	152	6.5	2.075		14						
	(Please circle reagent that was changed prior to sampling and standardization)	NaI/NaOH	15		248	918	6.8	3.124		15						
		H ₂ SO ₄	16		249	244	6.9	3.653		16						
	NOTE NEW BATCH IN LOG BOOK	KIO ₃	17		250A	910	7.1	4.276		17	250B	3080	7.1	4.274		
		THIO	18		251	175	7.3	4.524		18						
	Notes:	SWITCH T° @ NISK 9.	19		252	1059	8.3	6.428	LATE CP → OT	19						
			20		253	15	8.4	6.790		20						
			21		254	1174	8.5	6.794		21						
			22		255	253	8.5	6.829		22						
			23	Y	256A	3041	8.5	6.826	leaking	23	256B	913	8.5	6.823		
			24		257	143	8.5	6.826		24						

239
OXY
P20
2025-001
1750 m
bot 6
240
OXY
P20
2025-001
1500 m
bot 7
241
OXY
P20
2025-001
1250 m
bot 8
242
OXY
P20
2025-001
1000 m
bot 9
243A
OXY
P20
2025-001
800 m
bot 10
243B
OXY
P20
2025-001
800 m
bot 11
244
OXY
P20
2025-001
600 m
bot 12
245
OXY
P20
2025-001
400 m
bot 13
246
OXY
P20
2025-001
300 m
bot 13

321
OXY
P26
2025-001
Bot-10 m
bot 1
322A
OXY
P26
2025-001
4000 m
bot 2
322B
OXY
P26
2025-001
4000 m
bot 2
323
OXY
P26
2025-001
3500 m
bot 3
324
OXY
P26
2025-001
3000 m
325
OXY
P26
2025-001
2500 m
bot 5

Dissolved Oxygen
Institute of Ocean Sciences
Water Properties Group

Cruise and Analysis Information	Nisk ID	Nisk Int V S	Sample ID	Flask 1	Draw Temp 1 (°C)	OXY-1 (mL/L)	OXY-1 Comments	Nisk ID	Sample ID	Flask 2	Draw Temp 2 (°C)	OXY-2 (mL/L)	OXY-2 Comments
Cruise Number: 2025-001	1		321	3037	3.0	3.197		1					
Event: 56	2		322A	1297	2.9	3.138		2	322B	745	3.1	3.135	
Station: P26	3		323	3059	3.1	2.901		3					
Event Date (Local): 08-03-2025	4		324	1441	3.3	2.478		4					
Analysis Date (Local): 11MAR2024	5		325	3100	3.4	1.888	lucky top	5					
Analyst: MB	6		326A	940	3.6	1.218	lucky top	6	326B	2025	3.7	1.216	
Stdization Date (Local): 11MAR2024	7		327	3209	4.0	0.615		7					
KIO ₃ N: 0.0118524	8		328	1439	4.3	0.405	LATE EP → OT	8					
Standard Titer: 0.4801	9		329A	2068	4.8	0.354	CITE TO LOW O2	9	329B	1189	4.9	0.364	
Blank Titer: 0.0006	10		330	946	5.2	0.365		10					
THIO N: 0.247085	11		331	1298	5.6	0.471		11					
Sample Flask Water Seal? Yes	12		332	950	5.9	0.859		12					
	13		333	1410	6.1	1.484		13					
Reagent Change? MnCl ₂	14		334	901	6.3	2.194		14					
(Please circle reagent that was changed prior to sampling and standardization)	15		335	429	6.4	3.203		15					
NOTE NEW BATCH IN LOG BOOK	16		336	251	6.6	4.085		16					
	17		337	5	7.0	4.805	BACK TO NORMAL	17					
	18		338	1398	7.3	5.475		18					
Notes:	19		339A	161	8.1	6.828	bot 19 was pushed into stat	19	339B	20	8.1	6.830	
	20		340	903	8.0	6.848		20					
Frog.xlsx	21		341	3033	8.1	6.853		21					
	22		342	2035	8.0	6.852		22					
	23		343	1499	8.1	6.849	lucky niskin top on niskin 23	23					
	24		344	12	8.0	6.851	niskin 24 spibot pushed in	24					

344
OXY
P26
2025-001
5 m
bot 24

342
OXY
P26
2025-001
25 m
bot 22

341
OXY
P26
2025-001
50 m
bot 21

340
OXY
P26
2025-001
75 m
bot 20

339B
OXY
P26
2025-001
100 m
bot 19

339A
OXY
P26
2025-001
100 m
bot 19

338
OXY
P26
2025-001
100 m
bot 19

337
OXY
P26
2025-001
150 m
bot 1

336
OXY
P26
2025-001
175 m
bot

335
OXY
P26
2025-001
200 m
bot

334
OXY
P26
2025-001
250 m
bot

333
OXY
P26
2025-001
300 m
bot

332
OXY
P26
2025-001
350 m
bot

331
OXY
P26
2025-001
400 m
bot

330
OXY
P26
2025-001
450 m
bot

329B
OXY
P26
2025-001
500 m
bot 9

329A
OXY
P26
2025-001
550 m
bot 9

328
OXY
P26
2025-001
600 m
bot 8

327
OXY
P26
2025-001
650 m
bot 7

326B
OXY
P26
2025-001
700 m
bot 6

326A
OXY
P26
2025-001
750 m
bot 6

325
OXY
P26
2025-001
800 m
bot 5

324
OXY
P26
2025-001
850 m
bot 5

323
OXY
P26
2025-001
900 m
bot 5

322B
OXY
P26
2025-001
950 m
bot 5

322A
OXY
P26
2025-001
1000 m
bot 5

321
OXY
P26
2025-001
1050 m
bot 5

Dissolved Oxygen Analysis Log Sheet

Institute of Ocean Sciences
Water Properties Group



Last Updated: December 2019

363
OXY
Scott2
2025-001
Bot-10 m
bot 1
364
OXY
Scott2
2025-001
250 m
bot 2
365A
OXY
Scott2
2025-001
200 m
bot 3
365B
OXY
Scott2
2025-001
200 m
bot 3
366
OXY
Scott2
2025-001
175 m
bot 4

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)									
1		363	3037	7.2	1.59		1													
2		364	1297	7.5	1.848		2													
3		365A	745	7.9	2.363		3	365B	3059	7.9	2.363									
4		366	1441	8.2	2.655		4													
5		367	3100	8.5	2.841		5													
6		368	940	9.1	4.107		6													
7		369	2025	9.4	5.003		7													
8		370	3209	9.5	5.990		8													
9		371	1439	9.4	6.541		9													
10		372A	2068	9.4	6.563		10	372B	1189	9.4	6.565									
11		373	946	9.4	6.575		11													
12		374	1298	9.4	6.576		12													
13		375	950	9.5	6.575	Niskin 13 had leaky top lid AGAIN	13													
14							14													
15							15													
16							16													
17							17													
18							18													
19							19													
20							20													
21							21													
22							22													
23							23													
24							24													

Notes:
Frog.xlsx

367 OXY Scott2 2025-001 150 m bot 5
368 OXY Scott2 2025-001 125 m bot 6
369 OXY Scott2 2025-001 100 m bot 7
370 OXY Scott2 2025-001 75 m bot 8
371 OXY Scott2 2025-001 50 m bot 9
372A OXY Scott2 2025-001 30 m bot 10
372B OXY Scott2 2025-001 30 m bot 10
373 OXY Scott2 2025-001 20 m bot 11
374 OXY Scott2 2025-001 10 m bot 12

376
OXY
CS09
2025-001
Bot-10 m
bot 1
377
OXY
CS09
2025-001
150 m
bot 2
378
OXY
CS09
2025-001
125 m
bot 3
379
OXY
CS09
2025-001
100 m
bot 4
380A
OXY
CS09
2025-001
75 m
bot 5

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:	2025-001	1		376	901	7.9	2.29		1					
Event:	74	2		377	429	8.3	2.875		2					
Station:	CS09	3		378	251	9.1	5.427		3					
Event Date (Local):	11-03-2025	4		379	5	9.1	6.096		4					
Analysis Date (Local):	12 MAR 2025	5		380A	1398	9.1	6.419		5	380B	161	9.2	6.420	
Analyst:	MB	6		381	20	9.0	6.591		6					
Stdization Date (Local):	11 MAR 2025	7		382	903	9.1	6.623		7					
KIO ₃ N:	0.0118524	8		383	3033	9.1	6.627		8					
Standard Titer:	0.4801	9		384	2035	9.1	6.631		9					
Blank Titer:	0.0006	10		385	1499	9.1	6.630		10					
THIO N:	0.247085	11							11					
Sample Flask	Yes	12							12					
Water Seal?	No	13							13					
Reagent Change?	MnCl ₂	14							14					
Please circle reagent that was changed prior to sampling and standardization)	NaI/NaOH	15							15					
	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					

Notes:

Frog.xlsx

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

380B
OXY
CS09
2025-001
75 m
bot 5
381
OXY
CS09
2025-001
50 m
bot 6
382
OXY
CS09
2025-001
30 m
bot 7
383
OXY
CS09
2025-001
20 m
bot 8
384
OXY
CS09
2025-001
10 m
bot 9
385
OXY
CS09
2025-001
5 m
bot 10

390

OXY

12

2025-001

Bot-5 m

hot 1

391

OXY

12

2025-001

300 m

bot 2

392A

OXY

12

2025-001

250 m

bot 3

392B

OXY

12

2025-001

250 m

bot 3

393

OXY

12

2025-001

200 m

394

OXY

12

2025-001

150 m

bot 5

Dissolved Oxygen Analysis Log Sheet

Institute of Ocean Sciences
Water Properties Group



Last Updated: December 2019

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)									
1		390	3037	10.2	2.456		1													
2		391	1297	10.1	2.611		2													
3		392A	745	10.0	3.012		3	392B	3059	10.1	3.010									
4		393	1441	10.0	3.099		4													
5		394	3100	10.0	3.207		5													
6		395	940	10.0	3.337		6													
7		396	2025	10.1	3.254		7													
8		397	3209	9.6	4.362		8													
9		398	1439	9.4	5.626		9													
10		399A	2068	9.3	5.760	LATE CP → OT	10	399B	1189	9.4	5.763									
11		400	946	9.45	5.812	clone in sample - had to redraw	11													
12		401	1298	9.4	5.863		12													
13		402	950	9.6	5.877	air bubble - redraw	13													
14		403	1410	9.4	5.857		14													
15							15													
16		405	901	9.4	5.864		16													
17							17													
18							18													
19							19													
20							20													
21							21													
22							22													
23							23													
24							24													

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

395	OXY	12	2025-001	125 m	bot 6	396	OXY	12	2025-001	100 m	bot 7	397	OXY	12	2025-001	75 m	bot 8	398	OXY	12	2025-001	50 m	bot 9	399A	OXY	12	2025-001	40 m	bot 10	399B	OXY	12	2025-001	40 m	bot 10	400	OXY	12	2025-001	30 m	bot 11	401	OXY	12	2025-001	20 m	bot 12	402	OXY	12	2025-001		
-----	-----	----	----------	-------	-------	-----	-----	----	----------	-------	-------	-----	-----	----	----------	------	-------	-----	-----	----	----------	------	-------	------	-----	----	----------	------	--------	------	-----	----	----------	------	--------	-----	-----	----	----------	------	--------	-----	-----	----	----------	------	--------	-----	-----	----	----------	--	--

438A
OXY
42
2025-001
Bot-5 m
bot 1
438B
OXY
42
2025-001
Bot-5 m
bot 1
439
OXY
42
2025-001
250 m
440
OXY
42
2025-001
200 m
441
OXY
42
2025-001
150 m
442
OXY
42
2025-001
125 m
bot 5

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:	2025-001						1		438A	3037	9.7	2720		1	438B	1297	9.8	2892	LATE CP → OT MAYBE DIDN'T FLUSH KID HERE? (DISCARD?)
Event:	106						2		439	745	9.5	3356	LATE CP → OT	2					
Station:	42						3		440	3059	9.5	3815	LATE CP → OT	3					
Event Date (Local):	13-03-2025						4		441	1441	9.0	4882		4					
Analysis Date (Local):	14 MAR 2025						5		442	3100	9.0	4995		5					
Analyst:	MB						6		443	940	9.1	5049		6					
Stdization Date (Local):	13 MAR 2025						7		444	2025	9.1	5209		7					
KIO ₃ N:	0.0118524						8		445A	3209	9.1	5153		8	445B	1439	9.1	5152	
Standard Titer:	0.4797						9		446	2068	9.1	5319		9					
Blank Titer:	0.0006						10		447	1189	9.1	5371		10					
THIO N:	0.247231						11		448	946	9.3	5424		11					
Sample Flask Water Seal?	Yes						12		449	1298	9.1	5974		12					
	No						13		450	950	9.1	6421		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		453	1410	9.1	6440		16					
	KIO ₃						17							17					
	THIO						18							18					
Notes:							19							19					
							20							20					
							21							21					
							22							22					
							23							23					
							24							24					

443 OXY 42 2025-001 100 m bot 6
444 OXY 42 2025-001 75 m bot 7
445A OXY 42 2025-001 50 m bot 8
445B OXY 42 2025-001 50 m bot 8
446 OXY 42 2025-001 40 m bot 9
447 OXY 42 2025-001 30 m bot 10
448 OXY 42 2025-001 20 m bot 11
449 OXY 42 2025-001 10 m bot 12
450 OXY 42 2025-001 5 m bot 16

454

OXY

Haro59

2025-001

Bot-5 m

bot 1

455

OXY

Haro59

2025-001

175 m

bot 2

456

OXY

Haro59

2025-001

150 m

bot 3

457A

OXY

Haro59

2025-001

125 m

bot 4

457B

OXY

Haro59

2025-001

125 m

bot 4

Dissolved Oxygen Analysis Log Sheet

Institute of Ocean Sciences
Water Properties Group



Last Updated: December 2019

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)									
1	✓	454	130	8.6	5.094		1													
2	✓	455	923	8.6	5.251		2													
3	✓	456	3032	8.7	5.296		3													
4	✓	457A	114	8.7	5.295		4	457B	252	8.7	5.298	redraw								
5	✓	458	3117	8.6	5.305		5													
6	✓	459	1465	8.7	5.396	*	6													
7	✓	460	1153	8.7	5.412		7													
8	✓	461	6	8.7	5.410		8													
9	✓	462	154	8.7	5.408		9													
10	✓	463	968	8.7	5.409		10													
11	✓	464	575	8.7	5.429		11													
12	✓	465	171	8.7	5.450		12													
13		466A	3028	8.7	5.469	*Top cap leaky	13	466B	1299	8.8	5.461									
14							14													
15							15													
16							16													
17							17													
18							18													
19							19													
20							20													
21							21													
22							22													
23							23													
24							24													

Notes:

Snail.xlsx

In the appropriate column if applicable

458

OXY

Haro59

2025-001

100 m

bot 5

459

OXY

Haro59

2025-001

80 m

bot 6

460

OXY

Haro59

2025-001

60 m

bot 7

461

OXY

Haro59

2025-001

50 m

bot 8

462

OXY

Haro59

2025-001

30 m

bot 9

463

OXY

Haro59

2025-001

20 m

bot 10

464

OXY

Haro59

2025-001

10 m

bot 11

465

OXY

Haro59

2025-001

5 m

bot 12

466A

OXY

Haro59

2025-001

0 m

bot 13