Dissolved Oxygen Analysis Log Sheet

Institute of Ocean Sciences
Water Properties Group

whale

Last Updated: January 2017

IOS

Cruise and Analysis Information	
Cruise Number:	2018-25
Event:	53
Station:	HAK1
Event Date (Local):	Aug 20
Analysis Date (Local):	21 Aug 18
Analyst:	Tamara
Stdization Date (Local):	21 Aug 18
KIO_3 N:	0.011833
Standard Titer:	0.4909776
Blank Titer:	0.0003598
THIO N:	0.241085
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 none / KIO_3 / THIO
Notes:	

Nisk ID	Nisk Int V	Nisk Int S	Sample ID	Flask 1	Draw T 1 (°C)	OXY-1 (mL/L)	OXY-1 Comments
1			119	2092	7.4	1.176	
2							
3			121	3009	8.2	2.389	
4							
5			123A	3032	8.7	2.788	→
6							
7			125	3054	9.3	3.163	
8							
9			//	//	//		
10			//	//	//		
11			129	3065	10.0	3.906	
12			130	3022	10.5	4.125	
13			131A	3094	10.5	4.140	→
14							
15			133	3116	11.5	5.127	
16							
17			135	3117	13.5	6.894	
18							
19							
20							
21							
22							
23							
24							

Nisk ID	Sample ID	Flask 2	Draw T 2 (°C)	OXY-2 (mL/L)	OXY-2 Comments
1					
2					
3					
4					
5	123B	3083	8.7	2.780	
6					
7					
8					
9					
10					
11					
12					
13	131B	3100	10.6	4.138	☺
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.

119	121	123 A	123 B	125	129	130	131 A	131 B	133	135
OXY	OXY	OXY	OXY	OXY	OXY	OXY	OXY	OXY	OXY	OXY
HAKI	HAKI	HAKI	HAKI	HAKI	HAKI	HAKI	HAKI	HAKI	HAKI	HAKI
2018-25	2018-25	2018-25	2018-25	2018-25	2018-25	2018-25	2018-25	2018-25	2018-25	2018-25
Bot 1	Bot 3	Bot 5	Bot 5	Bot 7	Bot 11	Bot 12	Bot 13	Bot 13	Bot 15	Bot 17

worked dummy sample in file 99901, used blk/std flask 76 & flaskinfo for #3056

* samples 135-139A in file 05601
* samples 139B + in 05602

Dissolved Oxygen Analysis Log Sheet

Institute of Ocean Sciences
Water Properties Group

octopus

Last Updated: January 2017

IOS

Cruise and Analysis Information		Nisk ID	Nisk Int V	Nisk Int S	Sample ID	Flask 1	Draw T 1 (°C)	OXY-1 (mL/L)	OXY-1 Comments	Nisk ID	Sample ID	Flask 2	Draw T 2 (°C)	OXY-2 (mL/L)	OXY-2 Comments
Cruise Number:	2018-25	1			135	3056	6.8	1.17?	problem c titration start - can	1	can you use 2nd titration to calc overtitration?				
Event:	56	2			←					2					
Station:	MS4	3			137	1059	6.9	1.342	still have problem c curve	3					
Event Date (Local):	20 Aug 18	4			138	3150	7.1	1.398	curve problem, overtitrated	4					
Analysis Date (Local):	21 Aug 18	5			139A	3021	7.2	1.515	⇒ turned up stirrer, still same problem (overtitrated)	5	139B	3047	7.3	2.272	
Analyst:	Tamara	6			140	1053	7.5	1.728		6					
Stdization Date (Local):	21 Aug 18	7			141	639	8.2	2.362		7					
KIO_3 N:	0.011833	8			142	3134	8.7	2.921		8					
Standard Titer:	0.490776	9			143	2073	9.4	3.507	crack in top of flask, goes into gg joint	9					
Blank Titer:	0.0003598	10			—	—				10					
THIO N:	0.241085	11			145A	620	10.7	4.162 ⇒		11	145B	3034	10.8	4.164	☺
Sample Flask Water Seal?	(Yes) / No	12			146	2084	12.5	5.501		12					
		13			147	715	12.9	5.808		13					
Reagent Change? (Please circle reagent that was changed prior to sampling and standardization) NOTE NEW BATCH IN LOG BOOK	$MnCl_2$	14			—	—				14					
	NaI/NaOH	15			149	1002	13.1	5.898		15					
	H_2SO_4 none	16								16					
	KIO_3	17								17					
	THIO	18								18					
Notes:		19								19					
		20								20					
		21								21					
		22								22					
		23								23					
		24								24					

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

135	137	138	139A	139B	140	141	142	143	145A	145B
OXY	OXY	OXY	OXY	OXY	OXY	OXY	OXY	OXY	OXY	OXY
MS4	MS4	MS4	MS4	MS4	MS4	MS4	MS4	MS4	MS4	MS4
2018-25	2018-25	2018-25	2018-25	2018-25	2018-25	2018-25	2018-25	2018-25	2018-25	2018-25
Bot 1	Bot 3	Bot 4	Bot 5	Bot 5	Bot 6	Bot 7	Bot 8	Bot 9	Bot 11	Bot 11

146	147	149
OXY	OXY	OXY
MS4	MS4	MS4
2018-25	2018-25	2018-25
Bot 12	Bot 13	Bot 15

Dissolved Oxygen Analysis Log Sheet

Institute of Ocean Sciences
Water Properties Group

~~skate~~ octopus

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IOS

Cruise and Analysis Information	
Cruise Number:	2018-25
Event:	58
Station:	SRC1 - B
Event Date (Local):	21 Aug 18
Analysis Date (Local):	22 Aug 18
Analyst:	Tamara
Stdization Date (Local):	21 Aug 18
KIO_3 N:	0.011833
Standard Titer:	0.490776
Blank Titer:	0.0003598
THIO N:	0.241085
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 none / H_2SO_4 / KIO_3 / THIO
Notes:	

Nisk ID	Nisk Int V	Nisk Int S	Sample ID	Flask 1	Draw T 1 (°C)	OXY-1 (mL/L)	OXY-1 Comments
1			151	2075	7.3	1.684	
2			152	3001	7.7	2.170	
3			153	647	8.3	2.888	
4			154	3108	9.1	3.676	
5			155	1054	10.3	4.408	
6		X	156	3125	13.9	5.302	spigot leaking
7			157	657	15.4	5.712	
8			158	638	15.5	5.724	
9		X	159	3007	15.5	5.722	spigot leaking
10							
11							
12							
13							
14							
15							
16							
17							
18							
19							
20							
21							
22							
23							
24							

Nisk ID	Sample ID	Flask 2	Draw T 2 (°C)	OXY-2 (mL/L)	OXY-2 Comments
1					
2					
3					
4					
5	B	631	10.3	4.410	☺
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.

151
OXY
SRC1-B
2018-25
Bot 1

152
OXY
SRC1-B
2018-25
Bot 2

153
OXY
SRC1-B
2018-25
Bot 3

154
OXY
SRC1-B
2018-25
Bot 4

155A
OXY
SRC1-B
2018-25
Bot 5

155B
OXY
SRC1-B
2018-25
Bot 5

156
OXY
SRC1-B
2018-25
Bot 6

157
OXY
SRC1-B
2018-25
Bot 7

158
OXY
SRC1-B
2018-25
Bot 8

159
OXY
SRC1-B
2018-25
Bot 9

Dissolved Oxygen Analysis Log Sheet

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Water Properties Group

shark

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IOS

Cruise and Analysis Information	
Cruise Number:	2018-25
Event:	59
Station:	MTO8
Event Date (Local):	21 Aug 18
Analysis Date (Local):	22 Aug 18
Analyst:	Tamara
Stdization Date (Local):	21 Aug 18
KIO_3 N:	0.011833
Standard Titer:	0.490776
Blank Titer:	0.0003598
THIO N:	0.241085
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 none / KIO_3 / THIO
Notes:	

Nisk ID	Nisk Int V	Nisk Int S	Sample ID	Flask 1	Draw T 1 (°C)	OXY-1 (mL/L)	OXY-1 Comments
1			160	3042	6.9	1.137	
2							
3			~~162~~	~~5629~~	7.0		
4			163	3041	7.0	1.569	
5			164	3170	7.6	1.971	→
6			165	3008	8.4	2.650	
7			166	2090	9.3	3.822	
8			167	3020	10.5	4.455	
9			168	673	13.2	5.302	
10							
11			170A	1312	15.7	5.679	→
12			171	2000	15.8	~~5~~ 5.695	
13			172	3075	16.1	5.705	
14							
15			174	3200	16.2	5.712	
16							
17							
18							
19							
20							
21							
22							
23							
24							

Nisk ID	Sample ID	Flask 2	Draw T 2 (°C)	OXY-2 (mL/L)	OXY-2 Comments
1					
2					
3					
4					
5	164B	2088	7.6	1.959	
6					
7					
8					
9					
10					
11	170B	1465	16.0	5.677	☺
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.

160	163	164 A	164 B	165	166	167	168	A 170	170 B	171	172	174
OXY	OXY	OXY	OXY	OXY	OXY	OXY	OXY	OXY	OXY	OXY	OXY	OXY
MT8	MT8	MT8	MT8	MT8	MT8	MT8	MT8	MT8	MT8	MT8	MT8	MT8
2018-25	2018-25	2018-25	2018-25	2018-25	2018-25	2018-25	2018-25	2018-25	2018-25	2018-25	2018-25	2018-25
Bot 1	Bot 4	Bot 5	Bot 5	Bot 6	Bot 7	Bot 8	Bot 9	Bot 11	Bot 11	Bot 12	Bot 13	Bot 15

Dissolved Oxygen Analysis Log Sheet

SHARK

Last Updated: January 2017

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Water Properties Group

IOS

Cruise and Analysis Information	
Cruise Number:	2018-25
Event:	65
Station:	JP54
Event Date (Local):	21 Aug 18
Analysis Date (Local):	22 Aug 18
Analyst:	Tamara
Stdization Date (Local):	21 Aug 18
KIO_3 N:	0.011833
Standard Titer:	0.490776
Blank Titer:	0.0003598
THIO N:	0.241085
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 none / KIO_3 / THIO
Notes:	

Nisk ID	Nisk Int V	Nisk Int S	Sample ID	Flask 1	Draw T 1 (°C)	OXY-1 (mL/L)	OXY-1 Comments	Nisk ID	Sample ID	Flask 2	Draw T 2 (°C)	OXY-2 (mL/L)	OXY-2 Comments
1			176	3085	8.3	2.360		1					
2								2					
3			178	2080	8.3	2.376		3					
4			179	2063	8.3	2.384		4					
5			180	462	8.4	2.482		5					
6			181A	425	8.7	2.738	→	6	181B	2040	8.8	2.737	☺
7			182	3076	9.4	3.009		7					
8			183	1459	10.9	3.866		8					
9			F84	3029	12.9	4.715		9					
10								10					
11			186	2095	14.7	5.377		11					
12			187A	3078	15.5	5.704	→	12	187B	3068	15.5	5.708	
13			188	3135	16.2	6.075		13					
14								14					
15			190	3110	17.1	6.107		15					
16								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. Mark 'x' in the appropriate column if either fails the integrity check and explain this in the comments column.

176
OXY
JPS4
2018-25
Bot 1

178
OXY
JPS4
2018-25
Bot 3

179
OXY
JPS4
2018-25
Bot 4

180
OXY
JPS4
2018-25
Bot 5

181 A
OXY
JPS4
2018-25
Bot 6

181 B
OXY
JPS4
2018-25
Bot 6

182
OXY
JPS4
2018-25
Bot 7

183
OXY
JPS4
2018-25
Bot 8

184
OXY
JPS4
2018-25
Bot 9

186
OXY
JPS4
2018-25
Bot 11

187 A
OXY
JPS4
2018-25
Bot 12

187 B
OXY
JPS4
2018-25
Bot 12

188
OXY
JPS4
2018-25
Bot 13

190
OXY
JPS4
2018-25
Bot 15

Dissolved Oxygen Analysis Log Sheet

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IOS

Cruise and Analysis Information	
Cruise Number:	2018-25
Event:	b7
Station:	JPS1
Event Date (Local):	21 Aug 18
Analysis Date (Local):	22 Aug 18
Analyst:	Tamara
Stdization Date (Local):	21 Aug 18
KIO_3 N:	0.011833
Standard Titer:	0.490776
Blank Titer:	0.0003598
THIO N:	0.241085
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 none / H_2SO_4 / KIO_3 / THIO
Notes:	

Nisk ID	Nisk Int V	Nisk Int S	Sample ID	Flask 1	Draw T 1 (°C)	OXY-1 (mL/L)	OXY-1 Comments
1			192	94	8.9	2.494	
2			—				
3			194	371	9.2	2.657	
4			195	621	10.9	3.688	
5			196A	1408	13.4	4.953	⇒
6			—				
7			198	2007	14.6	5.766	
8			199	2015	15.0	6.083	
9			200	2016	15.4	6.387	
10			—				
11			202	2017	16.9	7.422	
12							
13							
14							
15							
16							
17							
18							
19							
20							
21							
22							
23							
24							

Nisk ID	Sample ID	Flask 2	Draw T 2 (°C)	OXY-2 (mL/L)	OXY-2 Comments
1					
2					
3					
4					
5	196B	1429	13.5	4.961	
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.

192	194	195	196 A	196 B	198	199	200	202
OXY	OXY	OXY	OXY	OXY	OXY	OXY	OXY	OXY
JPS1	JPS1	JPS1	JPS1	JPS1	JPS1	JPS1	JPS1	JPS1
2018-25	2018-25	2018-25	2018-25	2018-25	2018-25	2018-25	2018-25	2018-25
Bot 1	Bot 3	Bot 4	Bot 5	Bot 5	Bot 7	Bot 8	Bot 9	Bot 11

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IOS

Cruise and Analysis Information		Nisk ID	Nisk Int V	Nisk Int S	Sample ID	Flask 1	Draw T 1 (°C)	OXY-1 (mL/L)	OXY-1 Comments	Nisk ID	Sample ID	Flask 2	Draw T 2 (°C)	OXY-2 (mL/L)	OXY-2 Comments
Cruise Number:	2018-25	1			204	2025	9.1	3.051		1					
Event:	72 3	2			206	2027	10.1	3.679		2		2043			
Station:	JPS7 5	3			208A	2032	12.9	4.751		3	208B	~~2034~~	13.0	4.751	☺ ☺
Event Date (Local):	22 Aug 18 6	4			209	2047	14.7	5.469		4					
Analysis Date (Local):	22 Aug 18 7	5			210	2092	15.5	5.986		5					
Analyst:	Tamara 8	6			211	3009	16.4	5.957		6					
Stdization Date (Local):	21 Aug 18 9	7			212	3032	17.0	5.893		7					
KIO_3 N:	0.011833	8								8					
Standard Titer:	0.490776	9								9					
Blank Titer:	0.0003598	10								10					
THIO N:	0.241085	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) NOTE NEW BATCH IN LOG BOOK	NaI/NaOH none	14								14					
	H_2SO_4	15								15					
	KIO_3	16								16					
	THIO	17								17					
		18								18					
Notes:		19								19					
		20								20					
		21								21					
		22								22					
		23								23					
		24								24					

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

204	206	208A	208B	209	210	211	212
OXY	OXY	OXY	OXY	OXY	OXY	OXY	OXY
JPS7	JPS7	JPS7	JPS7	JPS7	JPS7	JPS7	JPS7
2018-25	2018-25	2018-25	2018-25	2018-25	2018-25	2018-25	2018-25
Bot 1	Bot 3	Bot 5	Bot 5	Bot 6	Bot 7	Bot 8	Bot 9

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IOS

Cruise and Analysis Information		Nisk ID	Nisk Int V	Nisk Int S	Sample ID	Flask 1	Draw T 1 (°C)	OXY-1 (mL/L)	OXY-1 Comments	Nisk ID	Sample ID	Flask 2	Draw T 2 (°C)	OXY-2 (mL/L)	OXY-2 Comments
Cruise Number:	2018-25	1			215	3054	6.9	1.259		1					
Event:	76	2								2					
Station:	MTOS	3			217	3065	7.0	1.428		3					
Event Date (Local):	22 Aug 18	4			218	3062	7.5	1.535		4					
Analysis Date (Local):	22 Aug 18	5			219	3094	8.2	2.237		5					
Analyst:	Tamara	6			225A	3100	9.4	3.764		6	220B	3116	9.5	3.767	:)
Stdization Date (Local):	21 Aug 18	7			221	3117	10.9	4.495		7					
KIO_3 N:	0.011833	8								8					
Standard Titer:	0.490776	9			223	3127	13.4	5.787		9					
Blank Titer:	0.0003598	10			224	3145	13.6	5.911		10					
THIO N:	0.241085	11			225	3147	13.8	5.956	forgot to put in thio buretk on	11	1st attempt				
Sample Flask Water Seal?	(Yes) / No	12								12					
		13			227	3158	14.2	6.002		13					
Reagent Change? (Please circle reagent that was changed prior to sampling and standardization) NOTE NEW BATCH IN LOG BOOK	$MnCl_2$	14								14					
	NaI/NaOH none	15								15					
	H_2SO_4	16								16					
	KIO_3	17								17					
	THIO	18								18					
Notes:		19								19					
		20								20					
		21								21					
		22								22					
		23								23					
		24								24					

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

215	217	218	219	220 A	220 B	221	223	224	225	227
OXY	OXY	OXY	OXY	OXY	OXY	OXY	OXY	OXY	OXY	OXY
MT05	MT05	MT05	MT05	MT05	MT05	MT05	MT05	MT05	MT05	MT05
2018-25	2018-25	2018-25	2018-25	2018-25	2018-25	2018-25	2018-25	2018-25	2018-25	2018-25
Bot 1	Bot 3	Bot 4	Bot 5	Bot 6	Bot 6	Bot 7	Bot 9	Bot 10	Bot 11	Bot 13

dinoscan. Plexon

Dissolved Oxygen Analysis Log Sheet

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Water Properties Group

IOS

Cruise and Analysis Information		Nisk ID	Nisk Int V	Nisk Int S	Sample / ID	Flask 1	Draw T 1 (°C)	OXY-1 (mL/L)	OXY-1 Comments	Nisk ID	Sample ID	Flask 2	Draw T 2 (°C)	OXY-2 (mL/L)	OXY-2 Comments
Cruise Number:	2018-25	1	✓	✓	229	196	6.9	1.084		1					
Event:	82	2								2					
Station:	MTO1 (SRN)	3	✓	✓	231	396	7.4	1.554		3					
Event Date (Local):	Aug 22nd/18	4	✓	✓	232	471	7.9	2.113		4					
Analysis Date (Local):	23 Aug 18	5	✓	✓	233A	505	8.5	2.578	→	5	233B	712	8.5	2.577	☺
Analyst:	Tamara	6								6					
Stdization Date (Local):	21 Aug 18	7	✓	✓	235	1055	9.2	3.293		7					
KIO_3 N:	0.011833	8	✓	✓	236	1223	10.5	4.418		8					
Standard Titer:	0.490776	9	✓	✓	237	1094	11.6	5.536		9					
Blank Titer:	0.0003598	10	✓	✓	238	1406	12.2	5.834		10					
THIO N:	0.241085	11	✓	✓	239	1407	12.7	5.982		11					
Sample Flask Water Seal?	(Yes) / No	12								12					
		13								13					
Reagent Change? (Please circle reagent that was changed prior to sampling and standardization) NOTE NEW BATCH IN LOG BOOK	$MnCl_2$	14								14					
	NaI/NaOH	15								15					
	H_2SO_4 none	16								16					
	KIO_3	17								17					
	THIO	18								18					
Notes:		19								19					
		20								20					
		21								21					
		22								22					
		23								23					
		24								24					

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

229	231	232	233A	233B	235	236	237	238	239
OXY	OXY	OXY	OXY	OXY	OXY	OXY	OXY	OXY	OXY
4T01 (SRN	MT01 (SRN)	4T01 (SRN)	4T01 (SRN	MT01 (SRN)	4T01 (SRN)	4T01 (SRN	MT01 (SRN)	4T01 (SRN)	4T01 (SRN
2018-25	2018-25	2018-25	2018-25	2018-25	2018-25	2018-25	2018-25	2018-25	2018-25
Bot 1	Bot 3	Bot 4	Bot 5	Bot 5	Bot 7	Bot 8	Bot 9	Bot 10	Bot 11

Dissolved Oxygen Analysis Log Sheet

Institute of Ocean Sciences
Water Properties Group

fin-O-Saurus

Last Updated: January 2017

IOS

Cruise and Analysis Information		Nisk ID	Nisk Int V	Nisk Int S	Sample ID	Flask 1	Draw T 1 (°C)	OXY-1 (mL/L)	OXY-1 Comments
Cruise Number:	2018-25	1			242	1416	8.0	1.216	
Event:	89	2			—	—			
Station:	HECS4	3			244	2055	8.0	1.544	
Event Date (Local):	22 Aug 18	4			—	—			
Analysis Date (Local):	23 Aug 18	5			246	2056	8.9	2.996	
Analyst:	Tamara	6			247	2060	9.6	3.657	
Stdization Date (Local):	21 Aug 18	7			248A	2065	10.3	4.166	
KIO_3 N:	0.011833	8			249	2089	11.5	5.676	
Standard Titer:	0.490776	9			250	3005	12.7	8.196	
Blank Titer:	0.0003598	10			—	—			
THIO N:	0.241085	11			252	3046	13.2	8.928	←
Sample Flask Water Seal?	(Yes) / No	12							
Reagent Change?	$MnCl_2$	13							
(Please circle reagent that was changed prior to sampling and standardization) NOTE NEW BATCH IN LOG BOOK	NaI/NaOH	14							
	H_2SO_4 none	15							
	KIO_3	16							
	THIO	17							
		18							
Notes:		19							
		20							
		21							
		22							
		23							
		24							

Nisk ID	Sample ID	Flask 2	Draw T 2 (°C)	OXY-2 (mL/L)	OXY-2 Comments
1					
2					
3					
4					
5					
6					
7	248B	2068	10.3	4.171	
8					
9					
10					
11					top valve slightly open.
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.

242	244	246	247	248A	248B	249	250	252
OXY	OXY	OXY	OXY	OXY	OXY	OXY	OXY	OXY
HECS4	HECS4	HECS4	HECS4	HECS4	HECS4	HECS4	HECS4	HECS4
2018-25	2018-25	2018-25	2018-25	2018-25	2018-25	2018-25	2018-25	2018-25
Bot 1	Bot 3	Bot 5	Bot 6	Bot 7	Bot 7	Bot 8	Bot 9	Bot 11

Dissolved Oxygen Analysis Log Sheet

Institute of Ocean Sciences
Water Properties Group

Shark

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IOS

Cruise and Analysis Information	
Cruise Number:	2018-025
Event:	93
Station:	HEC58
Event Date (Local):	23 Aug 18
Analysis Date (Local):	25 Aug 18
Analyst:	Tamara
Stdization Date (Local):	25 Aug 18
KIO_3 N:	0.011833
Standard Titer:	0.49097
Blank Titer:	0.0004207
THIO N:	0.24136
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:	

Nisk ID	Nisk Int V	Nisk Int S	Sample ID	Flask 1	Draw T 1 (°C)	OXY-1 (mL/L)	OXY-1 Comments	Nisk ID	Sample ID	Flask 2	Draw T 2 (°C)	OXY-2 (mL/L)	OXY-2 Comments
1			266	3042	7.3	2.130		1					
2			—	—				2					
3			268	569	8.2	3.208		3					
4			—	—				4					
5			270	3041	8.8	3.529		5					
6			271	3170	9.7	4.145	→	6	271	2088	9.7	4.136	
7			272	3008	10.2	4.469	273 analyzed before 272	7					
8			273	2090	13.6	6.232		8					
9			274	3020	13.7	6.251		9					
10			—	—				10					
11			276	673	13.7	6.246		11					
12								12					
13								13					
14								14					
15								15					
16								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. Mark 'x' in the appropriate column if either fails the integrity check and explain this in the comments column.

266	268	270	271 A	271 B	273	272	274	276
OXY	OXY	OXY	OXY	OXY	OXY	OXY	OXY	OXY
HECS8	HECS8	HECS8	HECS8	HECS8	HECS8	HECS8	HECS8	HECS8
2018-25	2018-25	2018-25	2018-25	2018-25	2018-25	2018-25	2018-25	2018-25
Bot 1	Bot 3	Bot 5	Bot 6	Bot 6	Bot 8	Bot 7	Bot 9	Bot 11

Dissolved Oxygen Analysis Log Sheet

Shark

Institute of Ocean Sciences
Water Properties Group

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IOS

Cruise and Analysis Information		Nisk ID	Nisk Int V	Nisk Int S	Sample ID	Flask 1	Draw T 1 (°C)	OXY-1 (mL/L)	OXY-1 Comments	Nisk ID	Sample ID	Flask 2	Draw T 2 (°C)	OXY-2 (mL/L)	OXY-2 Comments
Cruise Number:	2018-025	1			286	1465	7.7	2.551		1					
Event:	96	2			—					2					
Station:	CHAT 2	3			288	2000	7.9	2.641		3					
Event Date (Local):	24 Aug 18 ?	4			289	3075	7.9	2.701		4					
Analysis Date (Local):	26 Aug 18	5			290	3200	8.3	3.006		5					
Analyst:	Tamara	6			—					6					
Stdization Date (Local):	26 Aug 18	7			292	3080	9.1	3.583		7					
KIO_3 N:	0.011833	8			293	3085	9.4	3.827	→ no water seal on 293A	8	293B	2086	9.4	3.823	
Standard Titer:	0.49097	9			294	2063	10.1	4.417		9					
Blank Titer:	0.0004207	10			295	1462	10.7	4.930		10					
THIO N:	0.24136	11			296	425	12.8	6.632		11					
Sample Flask Water Seal?	(Yes) / No	12			—					12					
		13			298	2040	14.3	7.489		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 none	17								17					
	THIO	18								18					
Notes:		19								19					
		20								20					
		21								21					
		22								22					
		23								23					
		24								24					

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

286 OXY Chat2 2018-25 Bot 1	288 OXY Chat2 2018-25 Bot 3	289 OXY Chat2 2018-25 Bot 4	290 OXY Chat2 2018-25 Bot 5	292 OXY Chat2 2018-25 Bot 7	293 A OXY Chat2 2018-25 Bot 8	293 B OXY Chat2 2018-25 Bot 8	294 OXY Chat2 2018-25 Bot 9	295 OXY Chat2 2018-25 Bot 10	296 OXY Chat2 2018-25 Bot 11	298 OXY Chat2 2018-25 Bot 13

octopus

Dissolved Oxygen Analysis Log Sheet

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IOS

Cruise and Analysis Information	
Cruise Number:	2018-25
Event:	99
Station:	Stat 1
Event Date (Local):	24 Aug 18 ?
Analysis Date (Local):	26 Aug 18
Analyst:	Tamara
Stdization Date (Local)	26 Aug 18
KIO_3 N:	0.011833
Standard Titer:	0.49097
Blank Titer:	0.0004207
THIO N:	0.241136
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 None / KIO_3 / THIO
Notes:	

Nisk ID	Nisk Int V	Nisk Int S	Sample ID	Flask 1	Draw T 1 (°C)	OXY-1 (mL/L)	OXY-1 Comments
1			301	3056	8.0	2.468	
2							
3							
4			304	1056	8.1	2575	
5							
6			306	3150	8.7	3.090	
7							
8							
9			309	3021	9.3	3.482	
10							
11			311A	3104	9.9	4.015	→
12							
13			313	6039	11.1	5.072	
14							
15			315	3134	11.9	5.995	spigot didn't pass, vent wasn't tight
16							
17			317	620	12.4	5.923	
18							
19							
20							
21							
22							
23							
24							

Nisk ID	Sample ID	Flask 2	Draw T 2 (°C)	OXY-2 (mL/L)	OXY-2 Comments
1					
2					
3					
4					
5					
6					
7					
8					
9					
10					
11	311B	1053	10.0	4.010	
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.

301
OXY
Chat1
2018-25
Bot 1

304
OXY
Chat1
2018-25
Bot 4

306
OXY
Chat1
2018-25
Bot 6

309
OXY
Chat1
2018-25
Bot 9

311
OXY
Chat1
2018-25
Bot 11

A 311B
OXY
Chat1
2018-25
BOT 11

313
OXY
Chat1
2018-25
Bot 13

315
OXY
Chat1
2018-25
Bot 15

317
OXY
Chat1
2018-25
Bot 17

Octopus

Dissolved Oxygen Analysis Log Sheet

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IOS

Cruise and Analysis Information	
Cruise Number:	2018-25
Event:	146
Station:	AA8
Event Date (Local):	08/25/2018
Analysis Date (Local):	26 Aug 18
Analyst:	Tamara
Stdization Date (Local):	26 Aug 18
KIO_3 N:	0.011833
Standard Titer:	0.49097
Blank Titer:	0.0004207
THIO N:	0.241136
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 none / KIO_3 / THIO
Notes:	

Nisk ID	Nisk Int V	Nisk Int S	Sample ID	Flask 1	Draw T 1 (°C)	OXY-1 (mL/L)	OXY-1 Comments
1			700	2084	6.7	4.963	
2			701	715	6.7	4.993	
3			702	1002	6.9	5.027	
4			703	3035	7.4	4.625	→
5			704	3061	7.8	4.308	analyzed before 703B
6			705	647	8.1	4.144	
7			706	3108	8.3	4.190	
8			707	1054	8.7	4.291	
9			708	631	11.6	5.532	
10			~~709~~	~~3125~~	—		NOT DONE - accidentally
11							
12							
13							
14							
15							
16							
17							
18							
19							
20							
21							
22							
23							
24							

Nisk ID	Sample ID	Flask 2	Draw T 2 (°C)	OXY-2 (mL/L)	OXY-2 Comments
1					
2					
3					
4	703B	2075	7.5	4.635	redraw
5					
6					
7					
8					
9					
10	todc	particles			instead
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.

700	701	702	703 A	704	703 B	705	706	707	708	709
OXY	OXY	OXY	OXY	OXY	OXY	OXY	OXY	OXY	OXY	OXY
AA8	AA8	AA8	AA8	AA8	AA8	AA8	AA8	AA8	AA8	AA8
2018-25	2018-25	2018-25	2018-25	2018-25	2018-25	2018-25	2018-25	2018-25	2018-25	2018-25
Bot 1	Bot 2	Bot 3	Bot 4	Bot 5	Bot 4	Bot 6	Bot 7	Bot 8	Bot 9	Bot 10

↑ no sample