

Dissolved Oxygen Analysis Log Sheet

Institute of Ocean Sciences
Water Properties Group

Bender



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:	2020-005						1		1	2089	11.1	4.449		1					
Event:	01						2		2	371	11.4	4.736		2					
Station:	LB01						3		3A	3009	12.3	6.334	→	3	3B	3100	12.2	6.367	- High gradient?
Event Date (Local):	22 June 2020						4		4	2043	13.6	9.869		4					
Analysis Date (Local):	22 June 2020						5							5					
Analyst:	KS						6		1	2	3A	3B	4	6					
Stdization Date (Local):	21 June 2020						7		OXY	OXY	OXY	OXY	OXY	7					
KIO ₃ N:	0.0120864						8		LB01	LB01	LB01	LB01	LB01	8					
Standard Titer:	0.49282						9		2020-005	2020-005	2020-005	2020-005	2020-005	9					
Blank Titer:	0.00092						10		Bot-5 m	20 m	10 m	10 m	5 m	10					
THIO N:	0.24576						11		bot 1	bot 2	bot 3	bot 3	bot 4	11					
Sample Flask Water Seal?	Yes						12							12					
	No						13							13					
Reagent Change?	MnCl ₂						14							14					
(Please circle reagent that was changed prior to sampling and standardization)	NaI/NaOH						15							15					
NOTE NEW BATCH IN LOG BOOK	H ₂ SO ₄						16							16					
	KIO ₃						17							17					
	THIO						18							18					
Notes:							19							19					
							20							20					
							21							21					
							22							22					
							23							23					
							24							24					

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

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Cruise Number:	2020-005						1		5	3000	10.6	3.819		1						
Event:	02						2		6	2027	10.9	4.156		2						
Station:	LB02						3		7A	3032	11.3	4.465	→	3	7B	2047	11.3	4.468		
Event Date (Local):	22 June 2020						4		8	3072	12.5	6.907	-EP late, OT ok	4						
Analysis Date (Local):	22 June 2020						5		9	3030	13.0	7.983		5						
Analyst:	KS						6							6						
Stdization Date (Local):	21 June 2020						7							7						
KIO ₃ N:	0.0120864								5		6	7A	7B	8	9					
Standard Titer:	0.49282								OXY	OXY	OXY	OXY	OXY	OXY						
Blank Titer:	0.00092								LB02	LB02	LB02	LB02	LB02	LB02						
THIO N:	0.24576								2020-005	2020-005	2020-005	2020-005	2020-005	2020-005						
Sample Flask Water Seal?	Yes								Bot-10 m	30 m	20 m	20 m	10 m	5 m						
	No								bot 1	bot 2	bot 3	bot 3	bot 4	bot 5						
Reagent Change?	MnCl ₂						14							14						
(Please circle reagent that was changed prior to sampling and standardization)	NaI/NaOH						15							15						
NOTE NEW BATCH IN LOG BOOK	H ₂ SO ₄						16							16						
	KIO ₃						17							17						
	THIO						18							18						
Notes:							19							19						
							20							20						
							21							21						
							22							22						
							23							23						
							24							24						

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

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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:	2020-005					1		11	505	8.6	1.831		1						
Event:	04					2		12	3049	8.9	2.144		2						
Station:	LB04					3		13	3057	9.5	3.057		3						
Event Date (Local):	22 June 2020					4		14	1429	10.3	3.571		4						
Analysis Date (Local):	22 June 2020					5		15	930	10.5	3.803		5						
Analyst:	KS					6		16A	1409	11.6	5.013	→ sample over-titrated. Messy	6	16B	2032	11.6	5.007	Reverse order sample.	
Stdization Date (Local):	21 June 2020					7		17	3127	12.6	6.153	curve.	7						
KIO ₃ N:	0.0120864					8							8						
Standard Titer:	0.49282																		
Blank Titer:	0.00092																		
THIO N:	0.24576																		
Sample Flask Water Seal?	Yes																		
Reagent Change?	MnCl ₂																		
(Please circle reagent that was changed prior to sampling and standardization)	NaI/NaOH																		
NOTE NEW BATCH IN LOG BOOK	H ₂ SO ₄																		
	KIO ₃																		
	THIO																		
Notes:																			

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

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Octopus.



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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:	2020-005						1			19	3134	8.6	1.621			1					
Event:	08						2			20	1059	8.6	1.637			2					
Station:	LB06						3			21A	1054	9.1	2.078	→	3	21B	3021	9.1	2.076	Slair step near end of curve. Late E.P. OT ✓	
Event Date (Local):	22 June 2020						4			22	3104	9.8	2.996		4						
Analysis Date (Local):	22 June 2020						5			23	3170	28	3.776		5						
Analyst:	KS						6			24	3150	11.9	5.432		6						
Stdization Date (Local):	21 June 2020						7			25	639	12.4	6.227		7						
KIO ₃ N:	0.0120864						8			26	3056	13.7	6.684		8						
Standard Titer:	0.49282						9								9						
Blank Titer:	0.00092									19											
THIO N:	0.24576									OXY											
Sample Flask Water Seal?	Yes									LB06											
	No									2020-005											
Reagent Change?	MnCl ₂									Bot-10 m											
(Please circle reagent that was changed prior to sampling and standardization)	NaI/NaOH									100 m											
NOTE NEW BATCH IN LOG BOOK	H ₂ SO ₄									75 m											
	KIO ₃									75 m											
	THIO									50 m											
										30 m											
										20 m											
										10 m											
										5 m											
										bot 1											
										bot 2											
										bot 3											
										bot 3											
										bot 4											
										bot 5											
										bot 6											
										bot 7											
										bot 8											
							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.

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Octopus



Starts @ position 11

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		28	2084	8.8	1.686		1													
2		29A	1002	9.2	1.581 →		2	29B	3035	9.2	1.571									
3		30	647	9.0	2.033		3													
4		31	3061	10.1	2.980		4													
5		32	673	10.7	3.689		5													
6		33	2063	10.7	3.896		6													
7		34	3028	11.1	3.940		7													
8		35	631	11.3	4.205		8													
9		36	3125	14.7	6.622		9													
10		37	657	16.1	7.177		10													
11							11													
12	Sample Flask Water Seal? Yes	28	29B	29A	30	31	32	33	34	35	36	37								
13		OXY	OXY	OXY	OXY	OXY	OXY	OXY	OXY	OXY	OXY	OXY								
14	Reagent Change? MnCl ₂	LB08	LB08	LB08	LB08	LB08	LB08	LB08	LB08	LB08	LB08	LB08								
15	(Please circle reagent that was changed prior to sampling and standardization)	2020-005	2020-005	2020-005	2020-005	2020-005	2020-005	2020-005	2020-005	2020-005	2020-005	2020-005								
16	H ₂ SO ₄	Bot-10 m	125 m	125 m	100 m	100 m	75 m	50 m	30 m	20 m	10 m	5 m								
17	NOTE NEW BATCH IN LOG BOOK	bot 1	bot 2	bot 2	bot 3	bot 4	bot 5	bot 6	bot 7	bot 8	bot 9	bot 10								
18	THIO																			
19	Notes: New batch of MnCl ₂																			
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.

~~No water seals~~

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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:	2020005	1		38	3134	8.3	1.796	selected OT button by accident.											
Event:	24	2		39	1059	8.5	1.717	Went ahead with OT.											
Station:	LB09	3		40	1054	9.5	2.698												
Event Date (Local):	23.06.09	4		41	3021	9.7	4.740												
Analysis Date (Local):	23 June 2020	5		42	3104	10.8	3.883												
Analyst:	KS	6		43	3170	11.0	4.176												
Stdization Date (Local):	22 June 2020	7		44	3150	12.9	6.301												
KIO ₃ N:	0.0120864	8		45A	639	15.7	6.737	→											
Standard Titer:	0.49288	9		46	3034	16.5	6.737												
Blank Titer:	0.00091	10																	
THIO N:	0.24567			38	39	40	41	42	43	44	45A	45B	46						
Sample Flask Water Seal?	No			OXY	OXY	OXY	OXY	OXY	OXY	OXY	OXY	OXY	OXY						
				LB09	LB09	LB09	LB09	LB09	LB09	LB09	LB09	LB09	LB09						
				2020-005	2020-005	2020-005	2020-005	2020-005	2020-005	2020-005	2020-005	2020-005	2020-005						
				Bot-10 m	125 m	100 m	75 m	50 m	30 m	20 m	10 m	10 m	5 m						
				bot 1	bot 2	bot 3	bot 4	bot 5	bot 6	bot 7	bot 8	bot 8	bot 9						
Reagent Change?	MnCl ₂	17																	
(Please circle reagent that was changed prior to sampling and standardization)	NaI/NaOH	18																	
	H ₂ SO ₄	19																	
NOTE NEW BATCH IN LOG BOOK	KIO ₃	20																	
	THIO	21																	
Notes:	No water seals.	22																	
		23																	
		24																	

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

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Cruise Number: 2020 005	1			48	2089	8.9	7.201							1						
Event: 27	2			49	371	9.3	2.284							2						
Station: LB11	3			50A	3009	9.5	3.509	→						3	50B	3100	9.6	3.512		
Event Date (Local): 23 June 2020	4			51	2043	9.5	4.210							4						
Analysis Date (Local): 23 June 2020	5			52	2019	9.6	6.026							5						
Analyst: KS	6			53	3000	10.3	6.002							6						
Stdization Date (Local): 22 June 2020	7			54A	2027	12.0	6.277	→						7	54B	3032	12.1	6.304	~ small bubbles under	
KIO ₃ N: 0.0120864	8			55	2047	13.9	6.304 6.514							8						stopper
Standard Titer: 0.49288	9			56	3072	15.3	6.281							9						
Blank Titer: 0.00091	10			57	3030	16.0	6.216							10						
THIO N: 0.24567				48	49	50A	50B	51	52	53	54A	54B	55	56	57					
Sample Flask Water Seal? ☒ Yes				OXY	OXY	OXY	OXY	OXY	OXY	OXY	OXY	OXY	OXY	OXY	OXY					
				LB11	LB11	LB11	LB11	LB11	LB11	LB11	LB11	LB11	LB11	LB11	LB11					
Reagent Change? MnCl ₂				2020-005	2020-005	2020-005	2020-005	2020-005	2020-005	2020-005	2020-005	2020-005	2020-005	2020-005	2020-005					
(Please circle reagent that was changed prior to sampling and standardization)				Bot-10 m	175 m	125 m	125 m	100 m	75 m	50 m	30 m	30 m	20 m	10 m	5 m					
NOTE NEW BATCH IN LOG BOOK				bot 1	bot 2	bot 3	bot 3	bot 4	bot 5	bot 6	bot 7	bot 7	bot 8	bot 9	bot 10					
	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.

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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:	2020-005						1		58	3109	7.9	0.783		1						
Event:	28						2		59A	505	7.9	0.990	→	2	59B	3049	8.0	0.984		
Station:	LB12						3		60	3057	-99	-99		3						MISTRIIP EXTRA 250 ANYWAY
Event Date (Local):	23.06.20						4		61	1429	8.1	1.561		4						
Analysis Date (Local):	23 June 2020						5		62	936	8.5	1.974		5						
Analyst:	KS						6		63	1409	8.7	2.075		6						
Stdization Date (Local):	22 June 20						7		64	2032	9.3	2.294	- runaway titration Over-titrated	7						
KIO ₃ N:	0.0120864						8		65A	3127	9.3	2.985	→	8	65B	3145	9.4	2.981		
Standard Titer:	0.49282						9		66	2092	9.3	3.640		9						
Blank Titer:	0.00091						10		67	3074	9.5	4.271		10						
THIO N:	0.24567						11		68	471	10.0	6.374		11						
Sample Flask Water Seal?	☒ Yes						12		69	3046	11.4	5.770		12						
	No						13		70A	3073	13.3	6.485	→	13	70B	1055	13.3	6.488		
Reagent Change?	MnCl ₂						14		71	2068	14.9	6.382		14						
(Please circle reagent that was changed prior to sampling and standardization)	NaI/NaOH						15		72	3108	15.9	6.258	3180	15						
NOTE NEW BATCH IN LOG BOOK	H ₂ SO ₄						16		73	3200	16.1	6.207	- in octopus cage	16						
	KIO ₃																			
	THIO																			
Notes: BENDER	58	59A	59B	61	62	63	64	65A	65B	66	67	68	69							
	OXY	OXY	OXY	OXY	OXY	OXY	OXY	OXY	OXY	OXY	OXY	OXY	OXY							
	LB12	LB12	LB12	LB12	LB12	LB12	LB12	LB12	LB12	LB12	LB12	LB12	LB12							
	2020-005	2020-005	2020-005	2020-005	2020-005	2020-005	2020-005	2020-005	2020-005	2020-005	2020-005	2020-005	2020-005							
	Bot-10 m	400 m	400 m	200 m	250 m	200 m	175 m	150 m	150 m	125 m	100 m	75 m	50 m							
	bot 1	bot 2	bot 2	bot 4	bot 5	bot 6	bot 7	bot 8	bot 8	bot 9	bot 10	bot 11	bot 12							
	70A	70B	71	72	73		23													
	OXY	OXY	OXY	OXY	OXY		24													
	LB12	LB12	LB12	LB12	LB12															
	2020-005	2020-005	2020-005	2020-005	2020-005															
	30 m	30 m	20 m	10 m	5 m															
	bot 13	bot 13	bot 14	bot 15	bot 16															

Bottle integrity: First test the top vent (V

in the appropriate column if either fails the 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: 2020-005						1		75	2016	6.7	0.407		1					
Event: LB 14 32						2		76	3173	6.8	0.261		2					
Station: LB 14						3		77A	3116	7.1	0.265	→	3	77B	3090	7.2	0.263	
Event Date (Local): 23 JUNE 2020						4		78	2015	7.7	0.651		4					
Analysis Date (Local): 23 June 2020						5		79	3036	7.9	1.086		5					
Analyst: KS						6		80	1422	8.3	1.764		6					
Stdization Date (Local): 22 June 2020						7		81	712	8.7	2.220		7					
KIO ₃ N: 0.0120864						8		82	1416	8.9	2.615		8					
Standard Titer: 0.49288						9		83A	2094	9.0	2.929	→	9	83B	3054	9.1	2.926	
Blank Titer: 0.00091						10		84	2025	9.3	3.063		10					
THIO N: 0.24567						11		85	1408	9.3	3.579		11					
Sample Flask Water Seal? ☒ Yes ☐ No						12		86	3010	9.4	4.486		12					
Reagent Change? ☒ MnO ₂ ☐ Na ₂ /NaOH						13		87A	458	9.9	5.166	→	13	87B	1442	9.9	5.165	
(Please circle reagent that was changed prior to sampling and standardization)						14		88	3038	11.1	5.922		14					
NOTE NEW BATCH IN LOG BOOK						15		89	3162	13.1	6.584		15					
						16		90	3094	14.3	6.504		16					
						17		91	3143	15.9	6.211		17					
						18		92	3175	16.4	6.198		18					

76	77A	77B	78	79	80	81	82	83A	83B	84	85	86	87A	87B	88
OXY	OXY	OXY	OXY	OXY	OXY	OXY	OXY	OXY	OXY	OXY	OXY	OXY	OXY	OXY	OXY
LB14	LB14	LB14	LB14	LB14	LB14	LB14	LB14	LB14	LB14	LB14	LB14	LB14	LB14	LB14	LB14
2020-005	2020-005	2020-005	2020-005	2020-005	2020-005	2020-005	2020-005	2020-005	2020-005	2020-005	2020-005	2020-005	2020-005	2020-005	2020-005
1000 m	750 m	750 m	500 m	400 m	300 m	250 m	200 m	175 m	175 m	150 m	125 m	100 m	75 m	75 m	50 m
bot 2	bot 3	bot 3	bot 4	bot 5	bot 6	bot 7	bot 8	bot 9	bot 9	bot 10	bot 11	bot 12	bot 13	bot 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.

89	OXY	LB14	2020-005	30 m	bot 15	90	OXY	LB14	2020-005	20 m	bot 16	91	OXY	LB14	2020-005	10 m	bot 17	92	OXY	LB14	2020-005	5 m	bot 18
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Cruise and Analysis Information								OXY-1								OXY-2										
Cruise Number:	Event:	Station:	Event Date (Local):	Analysis Date (Local):	Analyst:	Stdization Date (Local):	KIO ₃ N:	Standard Titer:	Blank Titer:	THIO N:	Sample Flask Water Seal?	Reagent Change?	Notes:	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
2020 005	43	1011	24 June 20	24 June 20	KS	21 June 2020	0.0120864	0.49288	0.00091	0.24567	Yes	MnCl ₂	Getopus	1		98	3134	7.6	0.639		1					
												NaI/NaOH		2		99	1059	7.3	0.379		2					
												H ₂ SO ₄		3		100	1054	7.6	0.268		3					
												KIO ₃		4		101A	3021	7.7	0.265		4	101B	3104	7.9	0.259	
												THIO		5		102	3170	8.1	0.815		5					
														6		103	3150	8.1	1.342		6					
														7		104	639	8.8	1.909		7					
														8		105A	3056	8.9	2.392	→	8	105B	3034	9.0	2.392	OT. Stair-step @ end of titration
														9		106	2084	9.2	2.670		9					
														10		107	3035	9.3	3.281	2.741	10					
														11		108	1002	9.5	3.548	3.251	11					
														12		109	647	9.6	3.448	3.5848	12					
														13		110	3061	9.7	6.327	5.118	13					
														14		111	673	9.8	6.582	6.327	14					
														15		112A	2063	11.3	6.582	→	15	112B	3028	11.5	6.582	
														16		113	631	13.3	6.599		16					
														17		114	3125	14.3	6.495	- Another stair-step curve.	17					
														18		115	657	15.7	6.213		18					
														19		116	638	16.3	6.205		19					

98	99	100	101A	101B	102	103	104	105A	105B	106	107	108	109	110	111	112A
OXY	OXY	OXY	OXY	OXY	OXY	OXY	OXY	OXY	OXY	OXY	OXY	OXY	OXY	OXY	OXY	OXY
LC11	LC11	LC11	LC11	LC11	LC11	LC11	LC11	LC11	LC11	LC11	LC11	LC11	LC11	LC11	LC11	LC11
2020-005	2020-005	2020-005	2020-005	2020-005	2020-005	2020-005	2020-005	2020-005	2020-005	2020-005	2020-005	2020-005	2020-005	2020-005	2020-005	2020-005
Bot-10 m	1250 m	1000 m	750 m	750 m	500 m	400 m	300 m	250 m	250 m	200 m	175 m	150 m	125 m	100 m	75 m	50 m
bot 1	bot 2	bot 3	bot 4	bot 4	bot 5	bot 6	bot 7	bot 8	bot 8	bot 9	bot 10	bot 11	bot 12	bot 13	bot 14	bot 15

112B	113	114	115	116	2020-005	2020-005	2020-005	2020-005	2020-005	2020-005	2020-005	2020-005	2020-005	2020-005	2020-005	2020-005
OXY	OXY	OXY	OXY	OXY	OXY	OXY	OXY	OXY	OXY	OXY	OXY	OXY	OXY	OXY	OXY	OXY
LC11	LC11	LC11	LC11	LC11	LC11	LC11	LC11	LC11	LC11	LC11	LC11	LC11	LC11	LC11	LC11	LC11
2020-005	2020-005	2020-005	2020-005	2020-005	2020-005	2020-005	2020-005	2020-005	2020-005	2020-005	2020-005	2020-005	2020-005	2020-005	2020-005	2020-005
50 m	30 m	20 m	10 m	5 m	5 m	5 m	5 m	5 m	5 m	5 m	5 m	5 m	5 m	5 m	5 m	5 m
bot 15	bot 16	bot 17	bot 18	bot 19	bot 20	bot 21	bot 22	bot 23	bot 24	bot 25	bot 26	bot 27	bot 28	bot 29	bot 30	bot 31

Bender  

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:	2020-005						1		117	2089	7.1	0.347	2 stir bars. Retrieved with forceps i. Sample compromised	1					
Event:	46						2		118A	371	7.4	0.707		2	118B	3009	7.5	0.709	
Station:	LC09						3		119	3100	7.7	1.106		3					
Event Date (Local):	24 June 2020						4		120	2043	8.1	1.668	Messy curve. OT✓	4					
Analysis Date (Local):	24 June 2020						5		121	2049	8.3	2.018		5					
Analyst:	KS						6		122	3000	8.6	2.579		6					
Stdization Date (Local):	21 June 2020						7		123	2027	8.9	2.808		7					
KIO ₃ N:	0.0120864						8		124	3032	9.1	3.041		8					
Standard Titer:	0.49288						9		125	2047	9.1	3.505		9					
Blank Titer:	0.00091						10		126	3072	9.5	4.425		10					
THIO N:	0.24567						11		127	3030	9.7	6.060		11					
Sample Flask Water Seal?	(Yes) No						12		128	3109	11.0	6.176		12					
Reagent Change?	MnCl ₂						13		129	3055	14.3	6.852	Noisy curve. OT✓	13					
(Please circle reagent that was changed prior to sampling and standardization)	NaI/NaOH						14		130	3049	15.7	6.268		14					
NOTE NEW BATCH IN LOG BOOK	H ₂ SO ₄						15		131	3057	15.9	6.219		15					
	KIO ₃						16		132A	1424	16.0	6.221	→ Bsampled First	16	132B	930	15.9	6.215	
	THIO						17							17					
							18							18					

117	118A	118B	119	120	121	122	123	124	125	126	127	128	129	130	131
OXY	OXY	OXY	OXY	OXY	OXY	OXY	OXY	OXY	OXY	OXY	OXY	OXY	OXY	OXY	OXY
LC09	LC09	LC09	LC09	LC09	LC09	LC09	LC09	LC09	LC09	LC09	LC09	LC09	LC09	LC09	LC09
2020-005	2020-005	2020-005	2020-005	2020-005	2020-005	2020-005	2020-005	2020-005	2020-005	2020-005	2020-005	2020-005	2020-005	2020-005	2020-005
Bot-10 m	500 m	500 m	400 m	300 m	250 m	200 m	175 m	150 m	125 m	100 m	75 m	50 m	30 m	20 m	10 m
bot 1	bot 2	bot 2	bot 3	bot 4	bot 5	bot 6	bot 7	bot 8	bot 9	bot 10	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.

132A
OXY
LC09
2020-005
5 m
bot 16

132B
OXY
LC09
2020-005
5 m
bot 16

Dissolved Oxygen Analysis Log Sheet

Institute of Ocean Sciences
Water Properties Group

Shark.



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:	2020-005	1		134	2016	8.3	2.095		1					
Event:	50	2		135	3173	8.6	2.315		2					
Station:	LC08	3		136	3116	9.0	3.025		3					
Event Date (Local):	24 June 2020	4		137	3090	9.1	3.227		4					
Analysis Date (Local):	25 June 2020	5		138	2015	9.1	3.558		5					
Analyst:	MG	6		139A	3036	9.5	3.877 →		6	139B	1422	9.5	3.868	+ Rechecked
Stdization Date (Local):	25 June 2020	7		140	712	9.6	6.596		7					
KIO ₃ N:	0.0120864	8		141	1416	12.2	6.512		8					
Standard Titer:	0.49308	9		142	2094	14.0	6.488		9					
Blank Titer:	0.00091	10		143	3054	15.9	6.303		10					
THIO N:	0.24563	11		144	2025	16.1	6.288		11					
Sample Flask Water Seal?	Yes	12		134	135	136	137	138	139A	139B	140	141	142	143
	No	13		OXY	OXY	OXY	OXY	OXY	OXY	OXY	OXY	OXY	OXY	OXY
Reagent Change?	MnCl ₂	14		LC08	LC08	LC08	LC08	LC08	LC08	LC08	LC08	LC08	LC08	LC08
(Please circle reagent that was changed prior to sampling and standardization)	NaI/NaOH	15		2020-005	2020-005	2020-005	2020-005	2020-005	2020-005	2020-005	2020-005	2020-005	2020-005	2020-005
NOTE NEW BATCH IN LOG BOOK	H ₂ SO ₄	16		Bot-10 m	175 m	150 m	125 m	100 m	75 m	75 m	50 m	30 m	20 m	10 m
	KIO ₃	17		bot 1	bot 2	bot 3	bot 4	bot 5	bot 6	bot 6	bot 7	bot 8	bot 9	bot 10
	THIO	18												
Notes:		19												
		20												
		21												
		22												
		23												
		24												

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

Dissolved Oxygen Analysis Log Sheet

Institute of Ocean Sciences
Water Properties Group

Shark



Last Updated: December 2019

Cruise and Analysis Information							Nisk ID		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:	2020-005	1		145A	3010	9.2	2.116	→		1	145B	458	9.3	2.115																
Event:	53	2		146	1442	9.3	2.101			2																				
Station:	LC06	3		147	3038	9.6	4.320			3																				
Event Date (Local):	24 June '20	4		148	3162	10.9	—	SOMETHING BLOCKING? TRIED OVER TITR		4																				
Analysis Date (Local):	24 Jun '20	5		149	3094	13.4	6.548	BUT ENDED WITH 22.151 ? COPS		5																				
Analyst:	KMG	6		150	3143	16.2	6.570			6																				
Stdization Date (Local):	25 June '20	7		151	3175	16.6	6.612			7																				
KIO ₃ N:	0.0120864	8								8																				
Standard Titer:	0.4938065	9		145A	145B	146	147	148	149	150	151																			
Blank Titer:	0.00091	10		OXY	OXY	OXY	OXY	OXY	OXY	OXY	OXY																			
THIO N:	0.24565	11		LC06	LC06	LC06	LC06	LC06	LC06	LC06	LC06																			
Sample Flask Water Seal?	Yes	12		2020-005	2020-005	2020-005	2020-005	2020-005	2020-005	2020-005	2020-005																			
	No	13		Bot-10 m	Bot-10 m	75 m	50 m	30 m	20 m	10 m	5 m																			
Reagent Change?	MnCl ₂	14		bot 1	bot 1	bot 2	bot 3	bot 4	bot 5	bot 6	bot 7																			
(Please circle reagent that was changed prior to sampling and standardization)	NaI/NaOH	15																												
NOTE NEW BATCH IN LOG BOOK	H ₂ SO ₄	16																												
	KIO ₃	17																												
	THIO	18																												
Notes:		19																												
		20																												
		21																												
		22																												
		23																												
		24																												

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.

Otomom

Dissolved Oxygen Analysis Log Sheet

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:	2020 005						1		152	3134	9.7	2.145		1						
Event:	56						2		153	1059	9.7	2.183	OVERTITRATE STEPPED CURVE	2						
Station:	LC04						3		154A	1054	9.8	2.461	→	3	154B	3024	9.9	2.457		
Event Date (Local):	24 June 2020						4		155	3104	9.9	2.714		4						
Analysis Date (Local):	MG						5		156	3110	10.1	3.105		5						
Analyst:	25 06 2020						6		157	3150	10.1	3.487		6						
Stdization Date (Local):	25 June 2020						7		158	639	11.1	4.302		7						
KIO ₃ N:	0.0120864						8		159	3056	11.5	4.633		8						
Standard Titer:	0.493865						9		160	3034	13.9	7.678		9						
Blank Titer:	0.00091						10		161	2084	15.5	9.486		10						
THIO N:	0.24565						11		152	153	154A	154B	155	156	157	158	159	160	161	
Sample Flask Water Seal?	Yes						12		OXY	OXY	OXY	OXY	OXY	OXY	OXY	OXY	OXY	OXY	OXY	
	No						13		LC04	LC04	LC04	LC04	LC04	LC04	LC04	LC04	LC04	LC04	LC04	
Reagent Change?	MnCl ₂						14		2020-005	2020-005	2020-005	2020-005	2020-005	2020-005	2020-005	2020-005	2020-005	2020-005	2020-005	
(Please circle reagent that was changed prior to sampling and standardization)	NaI/NaOH						15		Bot-10 m	150 m	125 m	125 m	100 m	75 m	50 m	30 m	20 m	10 m	5 m	
NOTE NEW BATCH IN LOG BOOK	H ₂ SO ₄						16		bot 1	bot 2	bot 3	bot 3	bot 4	bot 5	bot 6	bot 7	bot 8	bot 9	bot 10	
	KIO ₃						17													
	THIO						18													
Notes:							19													
							20													
							21													
							22													
							23													
							24													

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

Dissolved Oxygen Analysis Log Sheet

Institute of Ocean Sciences
Water Properties Group



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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:	2020-005	1		162	3035	9.9	2.387		1					
Event:	58	2		163	647	10.3	3.025		2					
Station:	LC02	3		164A	3061	10.9	3.639	→ RESET CAP SLOW TRIP	3	164B	673	10.9	3.603	FORGOT THE STIR MAGNET!
Event Date (Local):	24 June 2020	4		165	2063	11.2	4.351		4					
Analysis Date (Local):	25 June 2020	5		166	3028	11.9	4.860		5					
Analyst:	MCg	6		167	631	13.7	6.874		6					
Standardization Date (Local):	25 June 2020	7		168	3125	16.3	7.278		7					
KIO ₃ N:	0.0120864	8		162	163	164A	164B	165	166	167	168			
Standard Titer:	0.493085	9		OXY	OXY	OXY	OXY	OXY	OXY	OXY	OXY			
Blank Titer:	0.00091	10		LC02	LC02	LC02	LC02	LC02	LC02	LC02	LC02			
THIO N:	0.24967	11		2020-005	2020-005	2020-005	2020-005	2020-005	2020-005	2020-005	2020-005			
Sample Flask Water Seal?	Yes	12		Bot-10 m	75 m	50 m	50 m	30 m	20 m	10 m	5 m			
	No	13		bot 1	bot 2	bot 3	bot 3	bot 4	bot 5	bot 6	bot 7			
Reagent Change?	MnCl ₂	14												
(Please circle reagent that was changed prior to sampling and standardization)	NaI/NaOH	15												
NOTE NEW BATCH IN LOG BOOK	H ₂ SO ₄	16												
	KIO ₃	17												
	THIO	18												
Notes:		19												
		20												
		21												
		22												
		23												
		24												

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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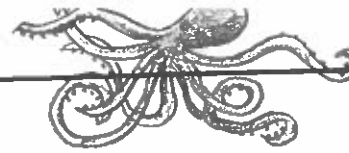
Last Updated: December 2019

Cruise and Analysis Information		Nisk ID	Nisk Int V 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:	2020005	1		170	638	9.8	2.411		1					
Event:	59	2		171	1312	10.0	2.534		2					
Station:	LC01	3		172A	462	10.3	3.268	→	3	172B	2097	10.4	3.266	
Event Date (Local):	25.06.20	4		173	2095	11.3	4.227		4					
Analysis Date (Local):	25.06.20	5		174	3042	11.7	4.709		5					
Analyst:	Mc	6		175	1050	13.4	6.273		6					
Stdization Date (Local):	25.06.20	7		176	547	15.8	7.309		7					
KIO ₃ N:	0.0120864	8		170	171	172A	172B	173	174	175	176			
Standard Titer:	0.493065	9		OXY	OXY	OXY	OXY	OXY	OXY	OXY	OXY			
Blank Titer:	0.0009087	10		LC01	LC01	LC01	LC01	LC01	LC01	LC01	LC01			
THIO N:	0.24565	11		2020-005	2020-005	2020-005	2020-005	2020-005	2020-005	2020-005	2020-005			
Sample Flask Water Seal?	Yes	12		Bot-10 m	75 m	50 m	50 m	30 m	20 m	10 m	5 m			
	No	13		bot 1	bot 2	bot 3	bot 3	bot 4	bot 5	bot 6	bot 7			
Reagent Change?	MnCl ₂	14												
(Please circle reagent that was changed prior to sampling and standardization)	NaI/NaOH	15												
NOTE NEW BATCH IN LOG BOOK	H ₂ SO ₄	16												
	KIO ₃	17												
	THIO	18												
Notes:	occupy	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

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Cruise and Analysis Information							Nisk ID	Sample ID	Flask 2	Draw Temp 2 (°C)	OXY-2 (mL/L)	OXY-2 Comments
Cruise Number:	2020-005	1		184	3134	5.9	2.294					
Event:	072	2		185A	1059	5.7	2.258	→	185B	1054	5.9	2.256
Station:	P12	3		186	3021	5.7	1.858					
Event Date (Local):	16 June 2020	4		187	3104	5.8	1.289					
Analysis Date (Local):	26 June 2020	5		188	3170	6.1	0.630					
Analyst:	KS	6		189A	3150	6.1	0.347	→	189B	639	6.3	0.346
Stdization Date (Local):	23 June 2020	7		190	3056	6.4	0.328	0.301				
KIO ₃ N:	0.0120864	8		191	3084	6.5	0.328					
Standard Titer:	0.49307	9		192	2084	6.9	0.517					
Blank Titer:	0.00091	10		193	1002	7.2	1.440					
THIO N:	0.24565	11		194	3035	7.6	2.358					
Sample Flask Water Seal?	Yes	12		195A	647	7.8	2.945	→	195B	3061	7.9	2.943
	No	13		196	673	8.1	3.521					
Reagent Change?	MnCl ₂	14		197	2063	8.2	4.204					
(Please circle reagent that was changed prior to sampling and standardization)	NaI/NaOH	15		198	3028	8.8	5.684					
NOTE NEW BATCH IN LOG BOOK	H ₂ SO ₄	16		199	631	9.1	6.743					
	KIO ₃	17		200	3175	9.5	6.802					
	THIO	18		201A	657	10.3	6.823	→	201B	638	10.3	6.825
Notes:		19		202	1312	10.8	6.868					
		20		203	462	12.6	6.944					
		21		204	2097	13.5	6.759					
		22		205	2095	14.3	6.696					
		23		206	3042	14.5	6.677					
		24		207	1050	14.8	6.670					

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.

Event 72

184	185A	185B	186	187	188	189A	189B	190	191	192	193	194	195A	195B	196
OXY	OXY	OXY	OXY	OXY	OXY	OXY	OXY	OXY	OXY	OXY	OXY	OXY	OXY	OXY	OXY
P12	P12	P12	P12	P12	P12	P12	P12	P12	P12	P12	P12	P12	P12	P12	P12
2020-005	2020-005	2020-005	2020-005	2020-005	2020-005	2020-005	2020-005	2020-005	2020-005	2020-005	2020-005	2020-005	2020-005	2020-005	2020-005
Bot-10 m	3000 m	3000 m	2500 m	2000 m	1500 m	1250 m	1250 m	1000 m	800 m	600 m	400 m	300 m	250 m	250 m	200 m
bot 1	bot 2	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 12	bot 13

197	198	199	200	201B	201A	202	203	204	205	206	207
OXY	OXY	OXY	OXY	OXY	OXY	OXY	OXY	OXY	OXY	OXY	OXY
P12	P12	P12	P12	P12	P12	P12	P12	P12	P12	P12	P12
2020-005	2020-005	2020-005	2020-005	2020-005	2020-005	2020-005	2020-005	2020-005	2020-005	2020-005	2020-005
150 m	100 m	75 m	60 m	50 m	50 m	40 m	30 m	25 m	15 m	10 m	5 m
bot 14	bot 15	bot 16	bot 17	bot 18	bot 18	bot 19	bot 20	bot 21	bot 22	bot 23	bot 24

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231	230
OXY	OXY
P8	P8
2020-005	2020-005
5 m	10 m
bot 23	bot 22

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)
Cruise Number: 2020-005	1		209	2089	5.9	1.378		1				
Event: 75	2		210	371	6.1	0.943	WAS GOING TO OVER BUT HIT FINISH, OOPS!	2				
Station: P8	3		211A	3009	6.3	0.396	→	3	211B	3100	6.4	0.395
Event Date (Local): 26 June 2020	4		212	2043	6.5	0.246		4				
Analysis Date (Local): 2 June 2020	5		213	2019	6.8	0.230		5				
Analyst:	6		214	3000	7.0	0.422		6				
Stdization Date (Local): 23 June 2020	7		215	2027	7.5	1.497		7				
KIO ₃ N: 0.0120864	8		216A	3032	7.9	2.686	→	8	216B	2047	7.9	2.683
Standard Titer: 0.49307	9		217	3072	8.3	2.992		9				
Blank Titer: 0.00091	10		218	3030	8.7	3.357		10				
THIO N: 0.24565	11		219	3109	8.9	3.544		11				
Sample Flask Water Seal? ☒ Yes ☐ No	12		220	505	9.1	3.838		12				
	13		221	3049	9.2	5.034		13				
Reagent Change? MnCl ₂	14		222	3057	9.3	6.471		14				
(Please circle reagent that was changed prior to sampling and standardization)	15		223A	1429	9.7	6.739	→	15	223B	930	9.7	6.740
NaI/NaOH	16		224	1409	10.3	6.950		16				
H ₂ SO ₄	17		225	2032	11.3	6.997		17				
NOTE NEW BATCH IN LOG BOOK	18		226	3127	12.0	6.957		18				
THIO	19		227	3145	14.3	6.480		19				
Notes:	20		228	2092	15.5	6.301		20				
	21		229A	3074	15.5	6.258	→	21	229B	471	15.5	6.259
	22		230	3046	15.5	6.252		22				
	23		231	3073	15.5	6.253		23				

229B	OXY	P8	2020-005	15 m	bot 21
229A	OXY	P8	2020-005	15 m	bot 21
228	OXY	P8	2020-005	25 m	bot 20
227	OXY	P8	2020-005	30 m	bot 19
226	OXY	P8	2020-005	40 m	bot 18
225	OXY	P8	2020-005	50 m	bot 17
224	OXY	P8	2020-005	60 m	bot 16
223B	OXY	P8	2020-005	75 m	bot 15

209	210	211A	211B	212	213	214	215	216A	216B	217	218	219	220	221	222	223A
OXY	OXY	OXY	OXY	OXY	OXY	OXY	OXY	OXY	OXY	OXY	OXY	OXY	OXY	OXY	OXY	OXY
P8	P8	P8	P8	P8	P8	P8	P8	P8	P8	P8	P8	P8	P8	P8	P8	P8
2020-005	2020-005	2020-005	2020-005	2020-005	2020-005	2020-005	2020-005	2020-005	2020-005	2020-005	2020-005	2020-005	2020-005	2020-005	2020-005	2020-005
2000 m	1500 m	1250 m	1250 m	1000 m	800 m	600 m	400 m	300 m	300 m	250 m	200 m	175 m	150 m	125 m	100 m	75 m
bot 1	bot 2	bot 3	bot 3	bot 4	bot 5	bot 6	bot 7	bot 8	bot 8	bot 9	bot 10	bot 11	bot 12	bot 13	bot 14	bot 15

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)	OX	
Cruise Number:	2020-005	1		241	2016	6.4	0.469		1					2						
Event:	82	2		242	3173	6.3	0.412		2					3	243B	3090	6.9	0.232		
Station:	P4	3		243A	3116	6.8	0.336	→	3					4						
Event Date (Local):	27 June 2020	4		244	8015	7.1	0.242		4					5						
Analysis Date (Local):	27 June 2020	5		245	3036	7.4	0.494		5					6						
Analyst:	K5	6		246	1422	7.8	1.311		6					7						
Stdization Date (Local):	23 June 2020	7		247	712	8.3	1.936		7					8	248B	2094	8.7	2.409		
KIO ₃ N:	0.0120864	8		248A	1416	8.5	2.413	→	8					9						
Standard Titer:	0.49307	9		249	3054	9.0	2.889		9					10						
Blank Titer:	0.00091	10		250	2025	9.2	3.111		10					11						
THIO N:	0.24565	11		251	1408	9.3	3.134		11					12						
Sample Flask Water Seal?	Yes	12		252	3010	9.4	3.611		12					13						
	No	13		253	458	9.7	4.428		13					14						
Reagent Change?	MnCl ₂	14		254	1442	9.6	6.159		14					15	255B	3162	9.9	6.535		
(Please circle reagent that was changed prior to sampling and standardization)	NaI/NaOH	15		255A	3038	9.9	6.538	→	15					16						
	H ₂ SO ₄	16		256	3094	10.1	6.677		16					17						
NOTE NEW BATCH IN LOG BOOK	KIO ₃	17		257	3143	10.8	6.839		17					18						
	THIO	18		258	3175	11.6	6.839		18					19						
Notes:		19		259	570	12.5	6.771		19					20						
Shark		20		260	3144	14.8	6.354		20					21	261B	3192	15.2	6.270		
		21		261A	8121	15.2	6.269	→	21					22						
		22		262	3083	15.5	6.269		22					23						
		23							23					24						

262

OXY

P4

2020-005

5 m

bot 22

261B

OXY

P4

2020-005

10 m

bot 21

261A

OXY

P4

2020-005

10 m

bot 21

260

OXY

P4

2020-005

15 m

bot 20

259

OXY

P4

2020-005

25 m

bot 19

258

OXY

P4

2020-005

30 m

bot 18

257

OXY

P4

2020-005

40 m

bot 17

256

OXY

P4

2020-005

50 m

bot 16

255B

OXY

P4

2020-005

60 m

bot 15

241

OXY

P4

2020-005

Bot-10 m

bot 1

242

OXY

P4

2020-005

1250 m

bot 2

243A

OXY

P4

2020-005

1000 m

bot 3

243B

OXY

P4

2020-005

1000 m

bot 2

244

OXY

P4

2020-005

800 m

bot 1

245

OXY

P4

2020-005

600 m

bot 1

246

OXY

P4

2020-005

400 m

bot 1

247

OXY

P4

2020-005

300 m

bot 1

248A

OXY

P4

2020-005

250 m

bot 1

248B

OXY

P4

2020-005

250 m

bot 1

249

OXY

P4

2020-005

200 m

bot 1

250

OXY

P4

2020-005

175 m

bot 1

251

OXY

P4

2020-005

150 m

bot 1

252

OXY

P4

2020-005

125 m

bot 1

253

OXY

P4

2020-005

100 m

bot 1

254

OXY

P4

2020-005

75 m

bot 1

255A

OXY

P4

2020-005

60 m

bot 1

Event skipped due to poor conditions

Dissolved Oxygen Analysis Log Sheet

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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:	2020-005	1		264	2089				1					
Event:		2		265A	371			→	2	265B	3009			
Station:	LD11	3		266	3100				3					
Event Date (Local):	27 June 2020	4		267	2043				4					
Analysis Date (Local):		5		268	2019				5					
Analyst:		6		269A	2027			→	6	269B	3000			
Stdization Date (Local):		7		270	3032				7					
KIO ₃ N:		8		271	2047				8					
Standard Titer:		9		272	3072				9					
Blank Titer:		10		273	3030				10					
THIO N:		11		274A	3109			→	11	274B	505			
Sample Flask Water Seal?	Yes	12		275	3049				12					
	No	13		276	3057				13					
Reagent Change?	MnCl ₂	14		277	1429				14					
(Please circle reagent that was changed prior to sampling and standardization)	NaI/NaOH	15		278A	930			→	15	278B	1409			
NOTE NEW BATCH IN LOG BOOK	H ₂ SO ₄	16		279	2032				16					
	KIO ₃	17		280	3127				17					
	THIO	18		281	3145				18					
Notes:		19		282	2092				19					
		20		283A	3074			→	20	283B	471			
		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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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:	2020-005	1		301	2089	10.2	2.852		1					
Event:	88	2		302A	371	10.2	2.843	→	2	302B	3009	10.2	2.837	
Station:	L002	3		303	3100	10.9	4.003		3					
Event Date (Local):	28.06.20	4		304	2043	11.0	4.081		4					
Analysis Date (Local):	28.06.20	5		305	2019	11.1	4.086		5					
Analyst:	MC	6		301	302A	302B	303	304	305	6				
Stdization Date (Local):	22.06.20	7		OXY	OXY	OXY	OXY	OXY	OXY	7				
KIO ₃ N:	0.012084	8		LD02	LD02	LD02	LD02	LD02	LD02	8				
Standard Titer:	0.493065	9		2020-005	2020-005	2020-005	2020-005	2020-005	2020-005	9				
Blank Titer:	0.0009087	10		Bot-10 m	30 m	30 m	20 m	10 m	5 m	10				
THIO N:	0.24565	11		bot 1	bot 2	bot 2	bot 3	bot 4	bot 5	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:	BENDER	19								19				
		20								20				
		21								21				
		22								22				
		23								23				
		24								24				

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

Dissolved Oxygen Analysis Log Sheet

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Last Updated: December 2019

Cruise and Analysis Information							Nisk ID		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:	2020005						1		306	2089	8.8	1.946			1															
Event:	92						2		307	307	9.2	2.627			2															
Station:	LD06						3		308	3009	9.6	3.502			3															
Event Date (Local):	28.06.20						4		309	3100	9.9	4.189			4															
Analysis Date (Local):	29 June 2020						5		310	2043	12.0	4.693			5															
Analyst:	KS						6		311	2027	14.5	6.020			6															
Standardization Date (Local):	29 June 2020						7		312	3000	15.1	6.174			7															
KIO ₃ N:	0.0120864						8		313	3032	15.0	6.185			8															
Standard Titer:	0.49265						9								9															
Blank Titer:	0.00113								306	307	308	309	310A	310B	311	312	313													
THIO N:	0.24575								OXY	OXY	OXY	OXY	OXY	OXY	OXY	OXY	OXY													
Sample Flask Water Seal?	Yes								LD06	LD06	LD06	LD06	LD06	LD06	LD06	LD06	LD06													
Reagent Change?	MnCl ₂								2020-005	2020-005	2020-005	2020-005	2020-005	2020-005	2020-005	2020-005	2020-005													
(Please circle reagent that was changed prior to sampling and standardization)	NaI/NaOH								Bot-10 m	100 m	75 m	50 m	30 m	30 m	20 m	10 m	5 m													
NOTE NEW BATCH IN LOG BOOK	H ₂ SO ₄ #1819 MIX2								bot 1	bot 2	bot 3	bot 4	bot 5	bot 5	bot 6	bot 7	bot 8													
Notes:							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.

Dissolved Oxygen Analysis Log Sheet

Institute of Ocean Sciences
Water Properties Group

SIFARK



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:	2020005	1		314 ^A	2016	10.0	2.773	→	1	314 ^B	3173	10.0	2.771	
Event:	95	2		315	3116	10.6	3.642		2					
Station:	WD04	3		316	3090	11.9	5.147		3					
Event Date (Local):	28.06.20	4		317	2015	12.1	5.552		4					
Analysis Date (Local):	29 June 2020	5		318	3036	12.3	5.651		5					
Analyst:	KS			314A	314B	315	316	317	318					
Stdization Date (Local):	29 June 2020			OXY	OXY	OXY	OXY	OXY	OXY					
KIO ₃ N:	0.0120864			LD04	LD04	LD04	LD04	LD04	LD04					
Standard Titer:	0.49265			2020-005	2020-005	2020-005	2020-005	2020-005	2020-005					
Blank Titer:	0.00113			Bot-10 m	Bot-10 m	30 m	20 m	10 m	5 m					
THIO N:	0.24575			bot 1	bot 1	bot 2	bot 3	bot 4	bot 5					
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				
		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.

Event skipped due to poor shark conditions

Dissolved Oxygen Analysis Log Sheet

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Last Updated: December 2019

Cruise and Analysis Information		Nisk ID	Nisk Int V S	Sample ID	Flask 1	Draw Temp 1 (°C)	OXY-1 (mL/L)	OXY-1 Comments	Nisk ID	Sample ID	Flask 2	Draw Temp 2 (°C)	OXY-2 (mL/L)	OXY-2 Comments
Cruise Number:	2020-005	1		319	712				1					
Event:	96	2		320	1416				2					
Station:	LG 01	3		321	2094				3					
Event Date (Local):	28 June 2020	4		322	3054				4					
Analysis Date (Local):	29 June 2020	5		323A	2025		→		5	323B	1408			
Analyst:	KS	6							6					
Stdization Date (Local):	29 June 2020	7							7					
KIO ₃ N:	0.0120864	8							8					
Standard Titer:	0.149265	9							9					
Blank Titer:	0.00113	10							10					
THIO N:	0.24575	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					
	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					

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.

Bender

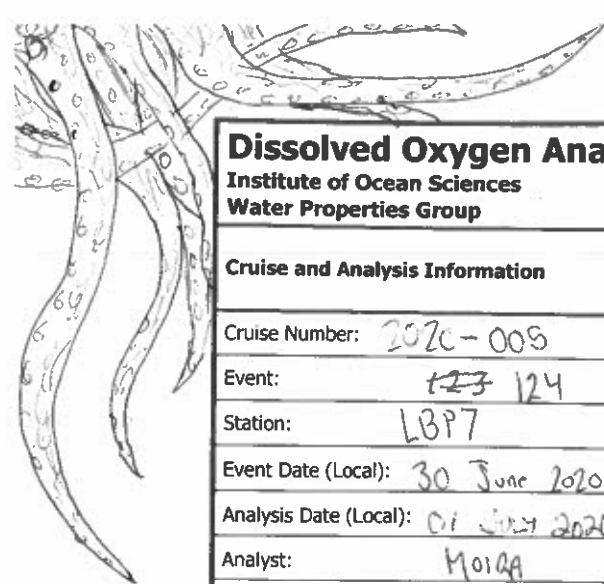
Dissolved Oxygen Analysis Log Sheet

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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: 2020-005		1		324	3092	9.0	1.892		1					
Event: 96		2		325	3030	9.1	1.845		2					
Station: LG02		3		326	3109	9.4	4.959		3					
Event Date (Local): 28 June 2020		4		327A	305	10.3	4.928	→	4	327B	3049	10.4	4.925	
Analysis Date (Local): 29 June 2020		5		328	3057	12.0	5.744		5					
Analyst: KS		6		329	1429	13.3	6.285		6					
Standardization Date (Local): 29 June 2020		7		330	930	13.3	6.289		7					
KIO ₃ N: 0.0120864				324	325	326	327A	327B	328	329	330			
Standard Titer: 0.49265				OXY	OXY	OXY	OXY	OXY	OXY	OXY	OXY			
Blank Titer: 0.00113				LG02	LG02	LG02	LG02	LG02	LG02	LG02	LG02			
THIO N: 0.24575				2020-005	2020-005	2020-005	2020-005	2020-005	2020-005	2020-005	2020-005			
Sample Flask Water Seal? ☒ Yes ☐ No				Bot-10 m	75 m	50 m	30 m	30 m	20 m	10 m	5 m			
				bot 1	bot 2	bot 3	bot 4	bot 4	bot 5	bot 6	bot 7			
Reagent Change? MnCl ₂		15												
(Please circle reagent that was changed prior to sampling and standardization)		16												
NOTE NEW BATCH IN LOG BOOK		17												
		18												
		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

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Water Properties Group



Last Updated: December 20

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:	2020-005	1		337	3134	5.7	1.467							1						
Event:	123 124	2		338	1059	5.9	0.673							2						
Station:	LBP7	3		339	1054	6.2	0.355							3						
Event Date (Local):	30 June 2020	4		340A	3021	6.5	0.249							4	340B	3104	6.5	0.252		
Analysis Date (Local):	01 July 2020	5		341	3170	7.1	0.252	Strange decrease of H ₂ O ₂ ?						5						
Analyst:	M01QA	6		342	3150	7.1	0.629							6						
Stdization Date (Local):	29 June 2020	7		343	639	7.4	1.096							7						
KIO ₃ N:	0.0120864	8		344	3056	7.8	1.828							8						
Standard Titer:	0.19357	9		345A	3034	8.1	2.308							9	345B	2084	8.1	2.310		
Blank Titer:	0.49265	10		346	1002	8.5	2.788							10						
THIO N:	0.00113	11		347	3035	8.5	3.649							11						
Sample Flask Water Seal?	Yes 0.24575	12		348	647	8.6	3.747							12						
	No	13		349	3061	8.8	3.885							13						
Reagent Change?	MnCl ₂	14		350A	673	8.9	5.161							14	350B	2063	8.9	1.58	5.158	
(Please circle reagent that was changed prior to sampling and standardization)	NaI/NaOH	15		351	3028	9.1	6.780							15						
NOTE NEW BATCH IN LOG BOOK	H ₂ SO ₄	16		352	631	10.0	6.833	Top cap not seated						16						
	KIO ₃	17		353	3125	1.35	6.551							17						
	THIO	18		354	657	14.2	6.450							18						
Notes:		19		355A	638	14.3	6.445							19	355B	1312	14.3	6.443		
		20		356	462	14.4	6.450							20						

356

OXY

LBP7

2020-00

5 m

bot 20

2020-005

10 m

bot 10

2020-005

10 m

bot 10

2020-005

20 m

bot 10

2020-005

30 m

bot 17

2020-005

50 m

bot 45

2020-005

75 m

bot 45

337	338	339	340A	340B	341	342	343	344	345A	345B	346	347	348	349	350A	350B
OXY	OXY	OXY	OXY	OXY	OXY	OXY	OXY	OXY	OXY	OXY	OXY	OXY	OXY	OXY	OXY	OXY
LBP7	LBP7	LBP7	LBP7	LBP7	LBP7	LBP7	LBP7	LBP7	LBP7	LBP7	LBP7	LBP7	LBP7	LBP7	LBP7	LBP7
2020-005	2020-005	2020-005	2020-005	2020-005	2020-005	2020-005	2020-005	2020-005	2020-005	2020-005	2020-005	2020-005	2020-005	2020-005	2020-005	2020-005
2000 m	1500 m	1250 m	1000 m	1000 m	750 m	500 m	400 m	300 m	250 m	250 m	200 m	175 m	150 m	125 m	100 m	100 m
bot 1	bot 2	bot 3	bot 4	bot 4	bot 5	bot 6	bot 7	bot 8	bot 9	bot 9	bot 10	bot 11	bot 12	bot 13	bot 14	bot 14

SHARK



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Water Properties Group

Cruise and Analysis Information							OXY-1										OXY-2										
							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: 2020-005							1		357	2016	6.3	0.444		1						375	OXY	LBP5	2020-005	5 m			
Event: 125 127							2		358A	3173	6.3	0.432	⇒	2	358B	3116	6.4	0.427			374B	OXY	LBP5	2020-005	10 m		
Station: LBP5							3		359	3090	6.5	0.308		3													
Event Date (Local): 30 June 2020							4		360	2015	6.9	0.309		4													
Analysis Date (Local): 01 July 2020							5		361	3036	7.2	0.705		5													
Analyst: MOIRA							6		362A	1422	7.9	1.021	⇒	6	362B	712	7.5	1.017									
Stdization Date (Local): 29 June 2020							7		363	1416	7.7	1.344		7													
KIO ₃ N: 0.0120864							8		364	2094	7.8	1.549		8													
Standard Titer: 0.49265							9		365	3054	8.0	2.078		9													
Blank Titer: 0.0013							10		366	2025	8.2	2.426		10													
THIO N: 0.24575							11		367	1408	8.4	2.317		11													
Sample Flask Water Seal? ☒ Yes ☐ No							12		368A	3010	8.7	2.719	⇒	12	368B	458	8.7	2.712									
Reagent Change? ☒ MnCl ₂ ☐ NaI/NaOH ☐ H ₂ SO ₄ ☐ KIO ₃ ☐ THIO							13		369	1442	8.7	3.380		13													
(Please circle reagent that was changed prior to sampling and standardization)							14		370	3038	8.7	4.666		14													
NOTE NEW BATCH IN LOG BOOK							15		371	3162	9.6	5.331		15													
							16		372	3094	11.1	5.774		16													
							17		373	3143	12.1	6.022		17													
							18		374A	3175	14.3	6.454	⇒	18	374B	570	14.3	6.455									
Notes:							19		375	3144	14.7	6.450	FLAKY CURVE SOMETHING BLACK	19													

357

OXY

LBP5

2020-005

Bot-10 m

bot 1

358A

OXY

LBP5

2020-005

1250 m

bot 2

358B

OXY

LBP5

2020-005

1250 m

bot 2

359

OXY

LBP5

2020-005

1000 m

bot 3

360

OXY

LBP5

2020-005

750 m

bot 4

361

OXY

LBP5

2020-005

500 m

bot 5

362A

OXY

LBP5

2020-005

400 m

bot 6

362B

OXY

LBP5

2020-005

400 m

bot 6

363

OXY

LBP5

2020-005

300 m

bot 7

364

OXY

LBP5

2020-005

250 m

bot 8

365

OXY

LBP5

2020-005

200 m

bot 9

366

OXY

LBP5

2020-005

175 m

bot 10

367

OXY

LBP5

2020-005

150 m

bot 11

368A

OXY

LBP5

2020-005

125 m

bot 12

368B

OXY

LBP5

2020-005

125 m

bot 12

369

OXY

LBP5

2020-005

100 m

bot 13

370

OXY

LBP5

2020-005

75 m

bot 14

Bender

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:	2020-005						1			381	2059	7.0	0.236			1						
Event:	144						2			382A	371	7.1	0.271	→		2	382B	3009	7.3	0.263		
Station:	LG06						3			383	3100	7.6	0.709			3						
Event Date (Local):	03.07.20						4			384	2043	7.8	1.083			4						
Analysis Date (Local):	03 July 2020						5			385	2019	8.2	2.005			5						
Analyst:	KS						6			386	2027	8.5	2.333	→		6						
Stdization Date (Local):	03 July 2020						7			387A	3000	8.9	2.977	→ temperature variable		7	387B	3032	9.0	2.969	← entered as sample 388 by mistake	
KIO ₃ N:	0.49274						8			388	2047	9.1	3.150	step up near end causing late		8						
Standard Titer:	0.00120 0.49274						9			389	3072	9.1	3.298	EP. Sample over-titrated		9						
Blank Titer:	0.00120						10			390	3030	9.2	3.611			10						
THIO N:	0.24593						11			391	3109	9.1	4.299			11						
Sample Flask Water Seal?	Yes						12			392A	505	9.5	5.180	→		12	392B	3049	9.5	5.177		
Reagent Change?	MnCl ₂						13			393	3057	9.7	6.608			13						
(Please circle reagent that was changed prior to sampling and standardization)	NaI/NaOH						14			394	1429	11.6	6.165			14						
NOTE NEW BATCH IN LOG BOOK	H ₂ SO ₄						15			395	930	12.0	6.237			15						
	KIO ₃						16			396	1409	12.6	6.435	← bit of a runaway causing late EP.		16						
	THIO						17			397	2032	14.0	6.569	Sample over-titrated		17						
							18								18							

381	382B	382A	383	384	385	386	387A	387B	388	389	390	391	392A	392B	393	394
OXY	OXY	OXY	OXY	OXY	OXY	OXY	OXY	OXY	OXY	OXY	OXY	OXY	OXY	OXY	OXY	OXY
LG06	LG06	LG06	LG06	LG06	LG06	LG06	LG06	LG06	LG06	LG06	LG06	LG06	LG06	LG06	LG06	LG06
2020-005	2020-005	2020-005	2020-005	2020-005	2020-005	2020-005	2020-005	2020-005	2020-005	2020-005	2020-005	2020-005	2020-005	2020-005	2020-005	2020-005
30t-10 m	750 m	750 m	500 m	400 m	300 m	250 m	200 m	200 m	175 m	150 m	125 m	100 m	75 m	75 m	50 m	30 m
bot 1	bot 2	bot 2	bot 3	bot 4	bot 5	bot 6	bot 7	bot 7	bot 8	bot 9	bot 10	bot 11	bot 12	bot 12	bot 13	bot 14

395	396	397
OXY	OXY	OXY
LG06	LG06	LG06
2020-005	2020-005	2020-005
20 m	10 m	5 m
bot 15	bot 16	bot 17

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

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Cruise 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:	2020005	1		398	2016	8.8	2.077	8.6°C	1					
Event:	147	2		399A	3113	8.9	2.426	→ EP late. Sample over-titrated ✓	2	399B	3116	8.9	2.422	Another messy curve causing a late EP. OT ✓
Station:	LG04	3		400	3096	9.1	3.234		3					
Event Date (Local):	03 July 2020	4		401	2015	9.2	3.200		4					
Analysis Date (Local):	03 July 2020	5		402	3036	9.7	4.415		5					
Analyst:	KS	6		403	1422	11.3	5.568		6					
Stdization Date (Local):	03 July 2020	7		404	712	12.7	6.655		7					
KIO ₃ N:	0.0120864	8		405	1416	12.9	7.008		8					
Standard Titer:	0.49274	9		406	2094	13.0	7.056		9					
Blank Titer:	0.00120			398	399A	399B	400	401	402	403	404	405	406	
THIO N:	0.24593			OXY	OXY	OXY	OXY	OXY	OXY	OXY	OXY	OXY	OXY	
Sample Flask Water Seal?	Yes			LG04	LG04	LG04	LG04	LG04	LG04	LG04	LG04	LG04	LG04	
	No			2020-005	2020-005	2020-005	2020-005	2020-005	2020-005	2020-005	2020-005	2020-005	2020-005	
Reagent Change?	MnCl ₂			Bot-10 m	125 m	125 m	100 m	75 m	50 m	30 m	20 m	10 m	5 m	
(Please circle reagent that was changed prior to sampling and standardization)	Na ₂ /NaOH			bot 1	bot 2	bot 2	bot 3	bot 4	bot 5	bot 6	bot 7	bot 8	bot 9	
NOTE NEW BATCH IN LOG BOOK	H ₂ SO ₄													
	KIO ₃													
	THIO													
Notes:	MAKO													

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

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Cruise 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)	OXY-2 Comments						
1		407	2025	9.3	1.974	1											
2		408	1408	9.5	2.450	2											
3		409	3010	10.1	2.694	3											
4		410A	458	10.3	3.260	4	410B	1442	10.3	3.260	10.3% - runaway curve. sample over-titrated.						
5		411	3038	10.7	4.098	5											
6		412	3162	12.2	7.229	6											
7		413	3094	12.4	7.499	7											
Cruise Number: 2020005 Event: 150 Station: LG02 Event Date (Local): 03.07.20 Analysis Date (Local): 03 July 2020 Analyst: KS Stdization Date (Local): 03 July 2020 KIO ₃ N: 0.0120864 Standard Titer: 0.49235 Blank Titer: 0.00047 THIO N: 0.24578 Sample Flask Water Seal? ☒ Yes ☐ No Reagent Change? ☒ MnCl ₂ #1902 ☒ NaI/NaOH #1801 (Please circle reagent that was changed prior to sampling and standardization) NOTE NEW BATCH IN LOG BOOK H ₂ SO ₄ KIO ₃ TMIO						407 OXY LG02 2020-005 Bot-10 m bot 1 408 OXY LG02 2020-005 75 m bot 2 409 OXY LG02 2020-005 50 m bot 3 410A OXY LG02 2020-005 30 m bot 4 410B OXY LG02 2020-005 30 m bot 4 411 OXY LG02 2020-005 20 m bot 5 412 OXY LG02 2020-005 10 m bot 6 413 OXY LG02 2020-005 5 m bot 7											
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.

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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:	2020-005	1		414	3175	10.5	2.964		1					
Event:	151	2		415	570	10.7	3.333		2					
Station:	LG01	3		416	3144	11.5	5.230		3					
Event Date (Local):	03 July 2020	4		417	3121	12.3	7.034		4					
Analysis Date (Local):	03 July 2020	5		418A	3192	12.5	7.189	⇒ EP late. Overst. rated	5	418B	3083	12.4	7.191	
Analyst:	KS			414	415	416	417	418A					418B	
Stdization Date (Local):	03 July 2020			OXY	OXY	OXY	OXY	OXY					OXY	
KIO ₃ N:	0.020864			LG01	LG01	LG01	LG01	LG01					LG01	
Standard Titer:	0.49235			2020-005	2020-005	2020-005	2020-005	2020-005					2020-005	
Blank Titer:	0.00047			Bot-10 m	30 m	20 m	10 m	5 m					5 m	
THIO N:	0.24578			bot 1	bot 2	bot 3	bot 4	bot 5					bot 5	
Sample Flask Water Seal?	Yes	12							12					
	No	13							13					
Reagent Change?	MnCl ₂ #1902	14							14					
(Please circle reagent that was changed prior to sampling and standardization)	NaI/NaOH #1801	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					

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

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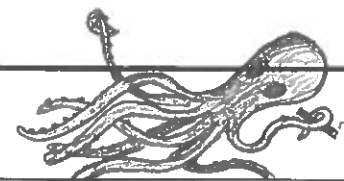
Cruise and Analysis Information							Nisk ID	Nisk Int V S	Sample ID	Flask 1	Draw Temp 1 (°C)	OXY-1 (mL/L)	OXY-1 Comments	Nisk ID	Sample ID	Flask 2	Draw Temp 2 (°C)	OXY-2 (mL/L)	OXY-2 Comments
Cruise Number:	2020005	1		428A	3050	6.4	1.281	→		1	428B	3091	6.7	1.281					
Event:	177	2		429	1407	6.6	0.653			2									
Station:	CS00	3		430	3047	6.9	0.337			3									
Event Date (Local):	05.07.20	4		431	3194	7.1	0.247			4									
Analysis Date (Local):	05 July 2020	5		432	3114	7.4	0.279			5									
Analyst:	KS	6		433	621	7.7	0.873			6									
Stdization Date (Local):	05 July 2020	7		434A	620	7.8	1.363	→ runaway titration. Sample		7	434B	3106	7.8	1.354					
KIO ₃ N:	0.0119007	8		435	3096	7.9	2.165	OT✓		8									
Standard Titer:	0.48475	9		436	3089	8.3	2.532	→ Another runaway. Sample OT✓		9									
Blank Titer:	0.00069	10		437	3066	8.5	3.146			10									
THIO N:	0.24583	11		438	3046	8.7	3.423			11									
Sample Flask Water Seal?	Yes	12		439	3110	8.8	3.818			12									
	No	13		440	3147	8.8	4.327			13									
Reagent Change?	MnCl ₂	14		441	3065	8.7	4.754			14									
(Please circle reagent that was changed prior to sampling and standardization)	NaI/NaOH	15		442	3093	9.3	5.562			15									
	H ₂ SO ₄	16		443	745	10.5	4.788			16									
NOTE NEW BATCH IN LOG BOOK	KIO ₃ #1906	17		444	435	11.6	5.897			17									
	THIO	18		445	3084	13.5	6.825	6.252		18									
Notes:	TURTLE	19		446A	3209	14.1	6.758	→		19	446B	1223	14.1	6.748					
		20		447	3023	14.5	6.813			20									

428A	428B	429	430	431	432	433	434A	434B	435	436	437	438	439	440	441
OXY	OXY	OXY	OXY	OXY	OXY	OXY	OXY	OXY	OXY	OXY	OXY	OXY	OXY	OXY	OXY
CS00	CS00	CS00	CS00	CS00	CS00	CS00	CS00	CS00	CS00	CS00	CS00	CS00	CS00	CS00	CS00
2020-005	2020-005	2020-005	2020-005	2020-005	2020-005	2020-005	2020-005	2020-005	2020-005	2020-005	2020-005	2020-005	2020-005	2020-005	2020-005
2000 m	2000 m	1500 m	1250 m	1000 m	750 m	500 m	400 m	400 m	300 m	250 m	200 m	175 m	150 m	125 m	100 m
bot 1	bot 1	bot 2	bot 3	bot 4	bot 5	bot 6	bot 7	bot 7	bot 8	bot 9	bot 10	bot 11	bot 12	bot 13	bot 14

442	443	444	445	446A	446B	447
OXY	OXY	OXY	OXY	OXY	OXY	OXY
CS00	CS00	CS00	CS00	CS00	CS00	CS00
2020-005	2020-005	2020-005	2020-005	2020-005	2020-005	2020-005
75 m	50 m	5 m	20 m	10 m	10 m	5 m
bot 15	bot 16	bot 17	bot 18	bot 19	bot 19	bot 20

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Cruise and Analysis Information							Nisk ID	Nisk Int V 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:	2020-005	1		448	3034	6.2	1.233							1						
Event:	181 182	2		449	1059	6.4	0.625							2						
Station:	CS02	3		450	1054	6.7	0.355							3						
Event Date (Local):	05 July 2020	4		451	3021	6.9	0.236							4						
Analysis Date (Local):	05 July 2020	5		452A	3104	7.3	0.266	⇒ EP was slightly late, OT✓					5	452B	3170	7.4	0.266			
Analyst:	KS	6		453	3150	7.5	0.618							6						
Stdization Date (Local):	05 July 2020	7		454	639	7.9	1.115							7						
KIO ₃ N:	0.0119007	8		455	3056	8.2	1.810							8						
Standard Titer:	0.48475	9		456	3034	8.5	2.342							9						
Blank Titer:	0.00069	10		457	2084	8.7	2.745							10						
THIO N:	0.24583	11		458A	1002	8.8	2.797	→					11	458B	3035	9.0	2.793	HR		
Sample Flask Water Seal?	Yes	12		459	647	9.1	2.892							12						
	No	13		460	3061	9.1	3.525							13						
Reagent Change?	MnCl ₂	14		461	673	9.1	4.185							14						
(Please circle reagent that was changed prior to sampling and standardization)	Na ₂ /NaOH	15		462	2063	9.9	3.737							15						HR
	H ₂ SO ₄	16		463	3028	11.1	4.822							16						HR
NOTE NEW BATCH IN LOG BOOK	KIO ₃ #1906	17		464A	631	12.1	5.582	⇒					17	464B	3125	12.1	5.575	HR		
	THIO	18		465	657	13.9	6.369							18						HR
				466	638	14.7	6.527							19						HR
				467	1312	-9.9	6.528	-Forgot to record draw T.					20						HR	

448	449	450	451	452A	452B	453	454	455	456	457	458A	458B	459	460	461
OXY	OXY	OXY	OXY	OXY	OXY	OXY	OXY	OXY	OXY	OXY	OXY	OXY	OXY	OXY	OXY
CS02	CS02	CS02	CS02	CS02	CS02	CS02	CS02	CS02	CS02	CS02	CS02	CS02	CS02	CS02	CS02
2020-005	2020-005	2020-005	2020-005	2020-005	2020-005	2020-005	2020-005	2020-005	2020-005	2020-005	2020-005	2020-005	2020-005	2020-005	2020-005
Bot-10 m	1500 m	1250 m	1000 m	750 m	750 m	500 m	400 m	300 m	250 m	200 m	175 m	175 m	150 m	125 m	100 m
bot 1	bot 2	bot 3	bot 4	bot 5	bot 5	bot 6	bot 7	bot 8	bot 9	bot 10	bot 11	bot 11	bot 12	bot 13	bot 14
462	463	464B	465	466	467	468	469	470	471	472	473	474	475	476	477
OXY	OXY	OXY	OXY	OXY	OXY	OXY	OXY	OXY	OXY	OXY	OXY	OXY	OXY	OXY	OXY
CS02	CS02	CS02	CS02	CS02	CS02	CS02	CS02	CS02	CS02	CS02	CS02	CS02	CS02	CS02	CS02
2020-005	2020-005	2020-005	2020-005	2020-005	2020-005	2020-005	2020-005	2020-005	2020-005	2020-005	2020-005	2020-005	2020-005	2020-005	2020-005
75 m	75 m	50 m	50 m	30 m	30 m	30 m	20 m	20 m	10 m	10 m	5 m	5 m	5 m	5 m	5 m
bot 15	bot 15	bot 16	bot 16	bot 17	bot 17	bot 17	bot 18	bot 18	bot 19	bot 19	bot 20	bot 20	bot 20	bot 20	bot 20

Bottle integrity: First test the top vent (V) by or

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Water Properties Group

Sea Turtle



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Cruise and Analysis Information							Nisk ID	Nisk Int V 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:	2020-005	1		468	3050	9.8	3.364							1					
Event:	186	2		469	3091	10.4	4.281							2					
Station:	CS04	3		470A	1407	11.8	5.270	→						3	470B	3096	11.7	5.269	
Event Date (Local):	05 July 2020	4		471	3047	12.1	5.633							4					
Analysis Date (Local):	05 July 2020	5		472A	3194	13.7	6.485	✗						5	472B	3114	13.7		* Not used. Strange discrepancy with Alkalinity.
Analyst:	KS	6		473	621	14.3	6.855							6					
Stdization Date (Local):	05 July 2020	7		474	620	14.7	6.929							7					
KIO ₃ N:	0.0119007	8												8					
Standard Titer:	0.48475	9		468	469	470								9	470B	471	472A	473	474
Blank Titer:	0.00069	10		OXY	OXY	OXY								10	OXY	OXY	OXY	OXY	OXY
THIO N:	0.24583	11		CS04	CS04	CS04								11	CS04	CS04	CS04	CS04	CS04
Sample Flask Water Seal?	Yes	12		2020-005	2020-005	2020-005								12	2020-005	2020-005	2020-005	2020-005	2020-005
	No	13		Bot-10 m	75 m	50 m								13	50 m	30 m	20 m	10 m	5 m
Reagent Change?	MnCl ₂	14		bot 1	bot 2	bot 3								14	bot 3	bot 4	bot 5	bot 6	bot 7
(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:	472B	19												19					
	OXY	20												20					
	CS04	21												21					
	2020-005	22												22					
	20 m	23												23					
	bot 5	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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Water Properties Group

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Last Updated: July 2018

Cruise and Analysis Information		Nisk ID	Nisk Int V 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:	2020-005	1		475	2089	16.3	3.999		1					
Event:	194	2		476A	371	10.5	4.287	sample 477 for a while forget to put tip in	2	476B	3009	10.6	4.289	
Station:	CS06	3		477	3100	12.7	6.144		3					
Event Date (Local):	06.07.2020	4		478	2043	12.9	6.208		4					
Analysis Date (Local):	06.07.2020	5		479	2019	13.5	6.697	sample 479	5					
Analyst:	Hayleigh	6		480	2027	13.8	6.869		6					
Stdization Date (Local):	06.07.2020	7							7					
KIO ₃ N:	0.0119007	8							8					
Standard Titer:	0.48468	9							9					
Blank Titer:	0.00081	10		475	476A	476B	477	478	479	480				
THIO N:	0.24597	11		OXY	OXY	OXY	OXY	OXY	OXY	OXY				
Sample Flask Water Seal?	Yes	12		CS06	CS06	CS06	CS06	CS06	CS06	CS06				
	No	13		2020-005	2020-005	2020-005	2020-005	2020-005	2020-005	2020-005				
Reagent Change?	MnCl ₂	14		Bot-10 m	50 m	50 m	30 m	20 m	10 m	5 m				
(Please circle reagent that was changed prior to sampling and standardization)	NaI/NaOH	15		bot 1	bot 2	bot 2	bot 3	bot 4	bot 5	bot 6				
NOTE NEW BATCH IN LOG BOOK	H ₂ SO ₄	16												
	KIO ₃	17												
	THIO	18												
Notes:		19												
(06 JULY)		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
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Last Updated: July 2018

Cruise and Analysis Information							Nisk ID	Nisk Int V 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:	2020005						1		481	3032	8.7	1.976		1						
Event:	200						2		482	2047	8.7	1.973		2						
Station:	CS09						3		483	3072	8.7	1.978		3						
Event Date (Local):	06.07.20						4		484	3030	8.9	2.225		4						
Analysis Date (Local):	06.07.20						5		485	3109	9.4	3.079		5						
Analyst:	KS						6		486	505	10.2	4.100		6						
Stdization Date (Local):	06.07.20						7		487	3049	11.0	4.685		7						
KIO ₃ N:	0.0119007						8		488	3057	12.0	5.430		8						
Standard Titer:	0.48468						9		489	1429	14.2	6.268		9						
Blank Titer:	0.00081						10		490	930	16.1	6.538		10						
THIO N:	0.24597						11		491A	1409	16.7	6.487	→	11	491B	2032	16.6	6.486		
Sample Flask Water Seal?	Yes								481	482	483	484	485	486	487	488	489	490	491A	491B
Reagent Change?	MnCl ₂								OXY	OXY	OXY	OXY	OXY	OXY	OXY	OXY	OXY	OXY	OXY	OXY
(Please circle reagent that was changed prior to sampling and standardization)	NaI/NaOH								CS09	CS09	CS09	CS09	CS09	CS09	CS09	CS09	CS09	CS09	CS09	CS09
NOTE NEW BATCH IN LOG BOOK	H ₂ SO ₄								2020-005	2020-005	2020-005	2020-005	2020-005	2020-005	2020-005	2020-005	2020-005	2020-005	2020-005	2020-005
	KIO ₃								Bot-10 m	175 m	150 m	125 m	100 m	75 m	50 m	30 m	20 m	10 m	5 m	5 m
	THIO								bot 1	bot 2	bot 3	bot 4	bot 5	bot 6	bot 7	bot 8	bot 9	bot 10	bot 11	bot 11
Notes:	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.

Dissolved Oxygen Analysis Log Sheet

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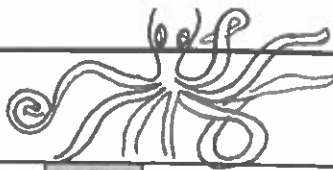
Last Updated: July 2018

Cruise and Analysis Information		Nisk ID	Nisk Int V 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:	2020005	1		501	3134	10.8	4.078		1					
Event:	225	2		502	1059	10.8	4.221		2					
Station:	JS	3		503	1054	10.8	4.978		3					
Event Date (Local):	08.08.20	4		504	3021	10.8	4.355		4					
Analysis Date (Local):	08.08.20	5		505A	3104	10.9	4.458	→ SLIGHT HICCUP WITH NaOH - NOT SMOOTH	5	505B	3170	10.9	4.469	
Analyst:	MOIRA	6		506	3150	11.0	4.832		6					
Stdization Date (Local):	06.07.20	7		507	639	11.0	4.544		7					
KIO ₃ N:	0.0119007	8		508	3056	11.0	4.607		8					
Standard Titer:	0.4846782	9		509	3034	11.1	4.631		9					
Blank Titer:	0.0008083	10		510	2084	11.1	4.670		10					
THIO N:	0.24597	11		511	1002	11.3	4.759		11					
Sample Flask Water Seal?	Yes	12		512	3035	11.3	4.821		12					
	No	13		513	647	11.5	4.974		13					
Reagent Change?	MnCl ₂	14		514	3061	11.6	5.101		14					
(Please circle reagent that was changed prior to sampling and standardization)	NaI/NaOH	15		501	502	503	504	505A	505B	506	507	508	509	510
NOTE NEW BATCH IN LOG BOOK	H ₂ SO ₄	16		OXY	OXY	OXY	OXY	OXY	OXY	OXY	OXY	OXY	OXY	OXY
	KIO ₃	17		JS	JS	JS	JS	JS	JS	JS	JS	JS	JS	JS
	THIO	18		2020-005	2020-005	2020-005	2020-005	2020-005	2020-005	2020-005	2020-005	2020-005	2020-005	2020-005
Notes:	oeropus	19		Bot-10 m	300 m	250 m	200 m	175 m	175 m	150 m	125 m	100 m	75 m	50 m
		20		bot 1	bot 2	bot 3	bot 4	bot 5	bot 5	bot 6	bot 7	bot 8	bot 9	bot 10
		21		513	514									
		22		OXY	OXY									
		23		JS	JS									
		24		2020-005	2020-005									
				10 m	5 m									
				bot 13	bot 14									

Bottle integrity: First test the top vent (V) by op

test the spigot by opening the vent. Mark 'x' in the appropriate column if either fails the integrity check and explain this in the comments column.

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Cruise and Analysis Information							Nisk ID	Nisk Int V 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:	2020-005						1		520	2089	11.1	2.867		1						
Event:	234						2		521	371	-99	-99	NO BOTTLE 250M	2						
Station:	JI1						3		522A	3009	10.9	3.500	⇒	3	522B	3100	11.1	3.506		
Event Date (Local):	09 July 2020						4		523	2048	11.6	4.006		4						
Analysis Date (Local):	09 July 2020						5		524	2019	12.5	4.175		5						
Analyst:	KS						6		525	2027	17.2	5.734		6						
Stdization Date (Local):	09 July 2020						7		526	3000	18.8	6.907		7						
KIO ₃ N:	0.0119007						8		527	3032	18.9	6.992		8						
Standard Titer:	0.48175							520	522A	522B					527					
Blank Titer:	0.00045							OXY	OXY	OXY					OXY					
THIO N:	0.24725							JI1	JI1	JI1					JI1					
Sample Flask Water Seal?	Yes							2020-005	2020-005	2020-005					2020-005					
	No							Bot-5 m	100 m	100 m					0 m					
Reagent Change?	MnCl ₂							bot 1	bot 3	bot 3					bot 8					
(Please circle reagent that was changed prior to sampling and standardization)	NaI/NaOH																			
NOTE NEW BATCH IN LOG BOOK	H ₂ SO ₄																			
	KIO ₃																			
	THIO #1901																			
Notes:	521						15							15						
	OXY						16							16						
	JI1						17							17						
	2020-005						18							18						
	250 m						19							19						
	bot 2						20							20						
							21							21						
							22							22						
							23							23						
							24							24						

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

Dissolved Oxygen Analysis Log Sheet

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Cruise and Analysis Information		Nisk ID	Nisk Int V 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:	2020-005	1		528	3072	11.2	2.677		1					
Event:	235	2		529	3036	11.1	2.800		2					
Station:	J13	3		530	3109	11.0	3.157		3					
Event Date (Local):	09 July 2020	4		531	505	11.5	3.872		4					
Analysis Date (Local):	09 July 2020	5		532	3049	12.7	4.193		5					
Analyst:	KS	6		533	3057	16.2	5.323		6					
Stdization Date (Local):	09 July 2020	7		534A	1429	18.7	6.468	⇒	7	534B	936	18.7	6.468	
KIO ₃ N:	0.0119007	8		535	1409	19.1	6.842		8					
Standard Titer:	0.48175		528	529	530	531	532	533	534A	534B	535			
Blank Titer:	0.00045		OXY	OXY	OXY	OXY	OXY	OXY	OXY	OXY	OXY			
THIO N:	0.24725		J13	J13	J13	J13	J13	J13	J13	J13	J13			
Sample Flask Water Seal?	Yes		2020-005	2020-005	2020-005	2020-005	2020-005	2020-005	2020-005	2020-005	2020-005			
	No		Bot-5 m	250 m	100 m	50 m	25 m	10 m	5 m	5 m	0 m			
Reagent Change?	MnCl ₂		bot 1	bot 2	bot 3	bot 4	bot 5	bot 6	bot 7	bot 7	bot 8			
(Please circle reagent that was changed prior to sampling and standardization)	NaOH	15												
NOTE NEW BATCH IN LOG BOOK	H ₂ SO ₄	16												
	KIO ₃	17												
	THIO	18												
Notes:		19												
		20												
		21												
		22												
		23												
		24												

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

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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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Cruise and Analysis Information							Nisk ID	Nisk Int V 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:	2020005						1		544A	3134	11.7	1.852	→	1	544B	1059	11.7	1.846	
Event:	239						2		545	1054	11.5	2.174		2					
Station:	J17						3		546	3021	11.2	3.082		3					
Event Date (Local):	09.07.20						4		547	3104	11.7	3.872		4					
Analysis Date (Local):	09 July 2020						5		548	3170	12.5	4.018		5					
Analyst:	Hayleigh						6		549	3150	15.7	5.163		6					
Stdization Date (Local):	09 July 2020						7		550	639	19.0	6.643		7					
KIO ₃ N:	0.0119007						8		551	3056	19.4	6.787		8					
Standard Titer:	0.48175						9							9					
Blank Titer:	0.00045						10		544A	544B	545	546	547	548	549	550	551		
THIO N:	0.24725						11		OXY	OXY	OXY	OXY	OXY	OXY	OXY	OXY	OXY		
Sample Flask Water Seal?	Yes						12		J17	J17	J17	J17	J17	J17	J17	J17	J17		
	No						13		2020-005	2020-005	2020-005	2020-005	2020-005	2020-005	2020-005	2020-005	2020-005		
Reagent Change?	MnCl ₂						14		Bot-5 m	Bot-5 m	250 m	100 m	50 m	25 m	10 m	5 m	0 m		
(Please circle reagent that was changed prior to sampling and standardization)	NaI/NaOH						15		bot 1	bot 1	bot 2	bot 3	bot 4	bot 5	bot 6	bot 7	bot 8		
NOTE NEW BATCH IN LOG BOOK	H ₂ SO ₄						16												
	KIO ₃						17												
	THIO						18												
Notes:							19												
							20												
							21												
							22												
							23												
							24												

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

Dissolved Oxygen Analysis Log Sheet

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Cruise and Analysis Information							OXY-1				OXY-2			
Nisk ID	Nisk Int V 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		552A	2094	11.6	2.138		1	552B	1002	11.7	2.139			
2		553	3088	11.5	2.246		2							
3		554	647	11.2	2.727		3							
4		555	3061	11.6	3.843		4							
5		556	673	12.3	4.104		5							
6		557	2063	16.6	5.555		6							
7		558	3026	18.5	6.326		7							
8		559	631	19.0	6.691		8							
9							9							
10		552A	552B	553	554	555	556	557	558	559				
11		OXY	OXY	OXY	OXY	OXY	OXY	OXY	OXY	OXY				
12		J16	J16	J16	J16	J16	J16	J16	J16	J16				
13		2020-005	2020-005	2020-005	2020-005	2020-005	2020-005	2020-005	2020-005	2020-005				
14		Bot -5m	Bot-5 m	250 m	100 m	50 m	25 m	10 m	5 m	0 m				
15		Bot 1	bot 1	bot 2	bot 3	bot 4	bot 5	bot 6	bot 7	bot 8				
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

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000001

Cruise and Analysis Information		Nisk ID	Nisk Int V 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:	2020005	1		560	657	11.6	1.985		1					
Event:	241	2		561	638	11.4	2.594		2					
Station:	J14	3		562A	1312	11.2	3.139		3	562B	462	11.2	3.141	
Event Date (Local):	09-07-20	4		563	2097	11.5	3.855	over titrate. found endpoint.	4					
Analysis Date (Local):	09 July 2020	5		564	2095	12.6	4.182		5					
Analyst:	HS	6		565	3042	16.1	5.311		6					
Stdization Date (Local):	09 July 2020	7		566	1050	19.1	6.600		7					
KIO ₃ N:	0.0119007	8		567	547	19.5	6.804		8					
Standard Titer:	0.48175	9							9					
Blank Titer:	0.00045	10		560		561		562A		563		564		565
THIO N:	0.24725	11		OXY		OXY		OXY		OXY		OXY		OXY
Sample Flask Water Seal?	Yes	12		J14		J14		J14		J14		J14		J14
	No	13		2020-005		2020-005		2020-005		2020-005		2020-005		2020-005
Reagent Change?	MnCl ₂	14		Bot-5 m		250 m		100 m		50 m		25 m		10 m
(Please circle reagent that was changed prior to sampling and standardization)	NaI/NaOH	15		bot 1		bot 2		bot 3		bot 4		bot 5		bot 6
NOTE NEW BATCH IN LOG BOOK	H ₂ SO ₄	16												
	KIO ₃	17												
	THIO	18												
Notes:		19							19					
		20							20					
		21							21					
		22							22					
		23							23					
		24							24					

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

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Cruise and Analysis Information							Nisk ID		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:	2020005						1		568	3050	11.2	2.781			1															
Event:	243						2		569	3091	11.0	2.665			2															
Station:	J12						3		570A	1407	11.0	3.080			3		570B	3047	11.0	3.082										
Event Date (Local):	09.07.20						4		571	3194	11.3	3.839			4															
Analysis Date (Local):	09 July 2020						5		572	3114	12.5	4.052			5															
Analyst:	KS						6		573	621	15.9	5.249			6															
Stdization Date (Local):	09 July 2020						7		574	620	18.5	6.391			7															
KIO ₃ N:	0.0119067						8		575	3106	18.9	6.838			8															
Standard Titer:	0.48175						9								9															
Blank Titer:	0.00045								568	569	570A		570B	571	572	573	574	575												
THIO N:	0.24725								OXY	OXY	OXY		OXY	OXY	OXY	OXY	OXY	OXY												
Sample Flask Water Seal?	Yes								J12	J12	J12		J12	J12	J12	J12	J12	J12												
	No								2020-005	2020-005	2020-005		2020-005	2020-005	2020-005	2020-005	2020-005	2020-005												
Reagent Change?	MnCl ₂								Bot-5 m	250 m	100 m		100 m	50 m	25 m	10 m	5 m	0 m												
(Please circle reagent that was changed prior to sampling and standardization)	NaI/NaOH								bot 1	bot 2	bot 3		bot 3	bot 4	bot 5	bot 6	bot 7	bot 8												
NOTE NEW BATCH IN LOG BOOK	H ₂ SO ₄						16																							
	KIO ₃						17																							
	THIO						18																							
Notes:							19																							
							20																							
							21																							
							22																							
							23																							
							24																							

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

Dissolved Oxygen Analysis Log Sheet

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Cruise and Analysis Information							Nisk ID	Nisk Int V 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:	2020-005						1		608	2089	12.3	4.232	- ??? Only partially dosed as if	1					
Event:	266						2		609	371	12.4	4.187	This Dosimat did not reset. Do	2					
Station:	VAN4						3		610	3009	12.3	4.202	not know what volume was	3					
Event Date (Local):	10.07.2020						4		611	3100	12.4	4.213	added. Valve lost.	4					
Analysis Date (Local):	10 July 2020						5		612	2043	12.6	4.283		5					
Analyst:	KS						6		613A	2019	13.8	4.966	→	6	613B	2027	13.7	4.966	
Stdization Date (Local):	09 July 2020						7		614	3000	15.6	5.424		7					
KIO ₃ N:	0.0119007						8		615	3032	15.1	5.631		8					
Standard Titer:	0.48175																		
Blank Titer:	0.00045																		
THIO N:	0.24725																		
Sample Flask Water Seal?	Yes																		
Reagent Change?	MnCl ₂																		
(Please circle reagent that was changed prior to sampling and standardization)	NaI/NaOH																		
NOTE NEW BATCH IN LOG BOOK	H ₂ SO ₄																		
	KIO ₃																		
	THIO																		
Notes:																			

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

Dissolved Oxygen Analysis Log Sheet

Institute of Ocean Sciences
Water Properties Group



Last Updated: July 2018

Cruise and Analysis Information							Nisk ID	Nisk Int V 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: 2020005	1		616	3072	12.7	4.306								1					
Event: 261	2		617	3030	12.8	4.273								2					
Station: VAN 5	3		618	3109	12.7	4.352								3					
Event Date (Local): 10.07.20	4		619	505	13.7	4.913								4					
Analysis Date (Local): 10 Jul 2020	5		620	3057	14.7	5.519								5					
Analyst: KS	6		621A	1429	15.0	5.734	→							6	621B	930	14.9	5.735	
Stdization Date (Local): 09 July 2020	7													7					
KIO ₃ N: 0.0119007	8													8					
Standard Titer: 0.48175	9													9					
Blank Titer: 0.00045	10													10					
THIO N: 0.24725	11													11					
Sample Flask Water Seal? ☒ Yes			616	617	618	619	620	621A	621B										
			OXY	OXY	OXY	OXY	OXY	OXY	OXY										
			VAN5	VAN5	VAN5	VAN5	VAN5	VAN5	VAN5										
			2020-005	2020-005	2020-005	2020-005	2020-005	2020-005	2020-005										
			Bot-5 m	30 m	20 m	10 m	5 m	0 m	0 m										
			bot 1	bot 2	bot 3	bot 4	bot 5	bot 6	bot 6										
Reagent Change? MnCl ₂	17													17					
(Please circle reagent that was changed prior to sampling and standardization)	18													18					
NOTE NEW BATCH IN LOG BOOK	19													19					
	20													20					
	21													21					
	22													22					
	23													23					
	24													24					

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

Dissolved Oxygen Analysis Log Sheet

Institute of Ocean Sciences
Water Properties Group

Bender



Last Updated: July 2018

Cruise and Analysis Information		Nisk ID	Nisk Int V 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:	2020005	1		622	2632	13.4	4.660		1					
Event:	269	2		623	3127	13.4	4.670		2					
Station:	VAN6	3		624A	3145	13.6	4.754	→	3	624B	2092	13.6	4.752	
Event Date (Local):	10.07.20	4		625	3074	13.9	4.959		4					
Analysis Date (Local):	10 July 2020	5		626	471	14.2	3.089		5					
Analyst:	KS	6		627	3046	14.5	5.298		6					
Stdization Date (Local):	9 July 2020	7		628	3073	15.3	6.072		7					
KIO ₃ N:	0.0119007	8		629	1055	16.1	6.719		8					
Standard Titer:	0.48175	9							9					
Blank Titer:	0.00045			622	623	624A	624B	625	626	627	628	629		
THIO N:	0.24725			OXY	OXY	OXY	OXY	OXY	OXY	OXY	OXY	OXY		
Sample Flask Water Seal?	Yes			VAN6	VAN6	VAN6	VAN6	VAN6	VAN6	VAN6	VAN6	VAN6		
	No			2020-005	2020-005	2020-005	2020-005	2020-005	2020-005	2020-005	2020-005	2020-005		
Reagent Change?	MnO ₂			Bot-5 m	50 m	40 m	40 m	30 m	20 m	10 m	5 m	0 m		
(Please circle reagent that was changed prior to sampling and standardization)	NaI/NaOH			bot 1	bot 2	bot 3	bot 3	bot 4	bot 5	bot 6	bot 7	bot 8		
NOTE NEW BATCH IN LOG BOOK	H ₂ SO ₄													
	KIO ₃													
	THIO													
Notes:		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.

Dissolved Oxygen Analysis Log Sheet

Institute of Ocean Sciences
Water Properties Group



Last Updated: July 2018

TURTLE

Cruise and Analysis Information		Nisk ID	Nisk Int V 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:	2020005	1		630A	3050	14.1	4.857	→	1	630B	3091	14.1	4.866	
Event:	270	2		631	1407	14.0	4.859		2					
Station:	INDO	3		632	3047	14.2	5.022		3					
Event Date (Local):	10.07.20	4		633	3194	14.3	5.101		4					
Analysis Date (Local):	10 July 2020	5		634	3114	15.1	5.614		5					
Analyst:	KS	6		635	621	16.3	6.742		6					
Stdization Date (Local):	9 July 2020													
KIO ₃ N:	0.0119007			630A	630B	631	632	633	634	635				
Standard Titer:	0.48175			OXY	OXY	OXY	OXY	OXY	OXY	OXY				
Blank Titer:	0.00045			IND0	IND0	IND0	IND0	IND0	IND0	IND0				
THIO N:	0.24725			2020-005	2020-005	2020-005	2020-005	2020-005	2020-005	2020-005				
Sample Flask Water Seal?	(Yes) No			Bot-5 m	Bot-5 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				
Reagent Change?	MnCl ₂	13												
(Please circle reagent that was changed prior to sampling and standardization)	NaI/NaOH	14												
NOTE NEW BATCH IN LOG BOOK	H ₂ SO ₄	15												
	KIO ₃	16												
	THIO	17												
Notes:		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



Last Updated: July 2018

TURTLE

Cruise and Analysis Information							Nisk ID	Nisk Int V 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:	2020005						1		636	3106	10.2	2.576		1																	
Event:	273						2		637	3096	10.1	2.571		2																	
Station:	IND 2						3		638A	3089	10.1	2.632	→	3	638B	3066	10.1	2.627													
Event Date (Local):	10 July 2020						4		639	3146	10.1	2.673		4																	
Analysis Date (Local):	10 July 2020						5		640	3110	10.3	2.861		5																	
Analyst:	KS						6		641	3147	10.7	3.816		6																	
Stdization Date (Local):	9 July 2020						7		642A	3065	11.7	4.486	→	7	642B	3093	11.8	4.485													
KIO ₃ N:	0.0119007						8		643	745	12.8	4.533		8																	
Standard Titer:	0.48175						9		644	435	13.6	4.766		9																	
Blank Titer:	0.00045						10		645	3084	14.2	4.968		10																	
THIO N:	0.24725						11		646	3209	15.0	5.384		11																	
Sample Flask Water Seal?	Yes						12		647	1223	17.1	7.408		12																	
Reagent Change?	MnCl ₂								636	637		638A		638B		639		640		641		642A		642B		643		644		645	
(Please circle reagent that was changed prior to sampling and standardization)	NaOH								OXY	OXY		OXY		OXY		OXY		OXY		OXY		OXY		OXY		OXY		OXY			
NOTE NEW BATCH IN LOG BOOK	H ₂ SO ₄								IND2	IND2		IND2		IND2		IND2		IND2		IND2		IND2		IND2		IND2		IND2			
	KIO ₃								2020-005	2020-005		2020-005		2020-005		2020-005		2020-005		2020-005		2020-005		2020-005		2020-005		2020-005			
	THIO								Bot-5 m	150 m		125 m		125 m		100 m		75 m		50 m		40 m		40 m		30 m		20 m		10 m	
									bot 1	bot 2		bot 3		bot 3		bot 4		bot 5		bot 6		bot 7		bot 7		bot 8		bot 9		bot 10	
Notes:									646	647																					
									OXY	OXY																					
									IND2	IND2																					
									2020-005	2020-005																					
									5 m	0 m																					
									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

Institute of Ocean Sciences
Water Properties Group

Octopus



Last Updated: July 2018

Cruise and Analysis Information							Nisk ID	Nisk Int V 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:	2020-005	1		662	3028	10.9	3.311							1					
Event:	278	2		663	631	11.2	4.535							2					
Station:	IND7	3		664	3125	12.0	4.961							3					
Event Date (Local):	10 July 2020	4		665	657	13.0	4.518							4					
Analysis Date (Local):	10 July 2020	5		666	638	13.7	4.625							5					
Analyst:	KS	6		667	1312	14.2	4.784							6					
Stdization Date (Local):	9 July 2020	7		668A	462	15.1	5.177	⇒						7	668B	2097	14.9	5.178	
KIO ₃ N:	0.0119007	8		669	2095	17.5	8.236							8					
Standard Titer:	0.48175	9												9					
Blank Titer:	0.00045		662	663	664	665	666	667	668A	668B	669								
THIO N:	0.24725		OXY	OXY	OXY	OXY	OXY	OXY	OXY	OXY	OXY								
Sample Flask Water Seal?	Yes		IND7	IND7	IND7	IND7	IND7	IND7	IND7	IND7	IND7								
	No		2020-005	2020-005	2020-005	2020-005	2020-005	2020-005	2020-005	2020-005	2020-005								
Reagent Change?	MnCl ₂		Bot-5 m	50 m	40 m	30 m	20 m	10 m	5 m	5 m	0 m								
(Please circle reagent that was changed prior to sampling and standardization)	NaI/NaOH		bot 1	bot 2	bot 3	bot 4	bot 5	bot 6	bot 7	bot 7	bot 8								
NOTE NEW BATCH IN LOG BOOK	H ₂ SO ₄	16												16					
	KIO ₃	17												17					
	THIO	18												18					
Notes:		19												19					
Thousands of		20												20					
Jelly Fish		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

Octopus



Last Updated: July 2018

Cruise and Analysis Information							Nisk ID	Nisk Int V 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:	2020-005	1		670	1050	14.5	4.942							670	671			672	
Event:	279	2		671	547	15.4	5.358							OXY	OXY			OXY	
Station:	VAN7	3		672	3200	17.5	7.251							VAN7	VAN7			VAN7	
Event Date (Local):	10 July 2020	4												2020-005	2020-005			2020-005	
Analysis Date (Local):	10 July 2020	5												Bot-5 m	5 m			0 m	
Analyst:	KS	6												bot 1	bot 2			bot 3	
Stdization Date (Local):	9 July 2020	7																	
KIO ₃ N:	0.0119007	8																	
Standard Titer:	0.48175	9																	
Blank Titer:	0.00045	10																	
THIO N:	0.24725	11																	
Sample Flask Water Seal?	Yes	12																	
	No	13																	
Reagent Change?	MnCl ₂	14																	
(Please circle reagent that was changed prior to sampling and standardization)	NaI/NaOH	15																	
	H ₂ SO ₄	16																	
NOTE NEW BATCH IN LOG BOOK	KIO ₃	17																	
	THIO	18																	
Notes:		19																	
		20																	
		21																	
		22																	
		23																	
		24																	

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

Dissolved Oxygen Analysis Log Sheet

Institute of Ocean Sciences
Water Properties Group



Last Updated: July 2018

Cruise and Analysis Information							Nisk ID		Nisk Int V 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:	2020 005						1			673	3050	11.5	3.661			1						
Event:	282						2			674	3091	11.4	3.674			2						
Station:	VAN 1						3			675A	1407	11.2	3.785	→	3	675B	3047	11.3	3.786			
Event Date (Local):	11.07.20						4			676	3194	11.3	3.945			4						
Analysis Date (Local):	11 July 2020						5			677	3114	11.5	3.988			5						
Analyst:	KS						6			678	621	11.7	3.968			6						
Stdization Date (Local):	9 July 2020						7			679	620	11.8	4.019			7						
KIO ₃ N:	0.0119007						8			680	3106	12.5	4.247			8						
Standard Titer:	0.48175						9			681	3096	15.9	6.062			9						
Blank Titer:	0.00045						10			682	3089	18.1	7.099			10						
THIO N:	0.24725									673												
Sample Flask Water Seal?	Yes									OXY												
	No									VAN1												
Reagent Change?	MnCl ₂									2020-005												
(Please circle reagent that was changed prior to sampling and standardization)	NaI/NaOH									2020-005												
NOTE NEW BATCH IN LOG BOOK	H ₂ SO ₄									2020-005												
	KIO ₃									2020-005												
	THIO									2020-005												
Notes:							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.

Dissolved Oxygen Analysis Log Sheet

Institute of Ocean Sciences
Water Properties Group

Sea-Turt



Last Updated: July 2018

Cruise and Analysis Information		Nisk ID	Nisk Int V 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:	2020005	1		687	3110	10.7	3.411	→ Redraw bub	1	686	3066	10.9	3.389	
Event:	288	2		688	3110	10.7	3.411		2					
Station:	42	3		689	3147	10.8	3.534	→	3	689B	3065	10.7	3.534	
Event Date (Local):	11.07.20	4		690	3093	10.7	3.648		4					
Analysis Date (Local):	11 July 2020	5		691	745	10.7	3.693		5					
Analyst:	KS	6		692	435	10.7	3.764		6					
Stdization Date (Local):	9 July 2020	7		693	3084	10.9	3.783		7					
KIO ₃ N:	0.0119007	8		694	3209	11.1		redraw 3132	8	694				
Standard Titer:	0.48175	9		695	1223	11.2		Redraw 3132 → 1223 11.2 3.789	9		3132	11.3	3.800	
Blank Titer:	0.0045	10		696	3023	11.5	4.053		10					
THIO N:	0.24725	11		697	3199	11.9	4.065		11					
Sample Flask Water Seal?	Yes	12		698	3062	12.0	4.180		12					
	No	13		699	3117	13.1	4.496		13					
Reagent Change?	MnCl ₂	14		700	3018	13.8	4.722		14	700B	3053	13.7	4.725	
(Please circle reagent that was changed prior to sampling and standardization)	NaI/NaOH	15		701	3161	17.1	6.803	low O2V (1.95V) - Fraser sediments	15					
NOTE NEW BATCH IN LOG BOOK	H ₂ SO ₄													
	KIO ₃													
	THIO													

Notes:	687 OXY 42 2020-005 Bot-10 m bot 1	688 OXY 42 2020-005 300 m bot 2	689A OXY 42 2020-005 250 m bot 3	689B OXY 42 2020-005 250 m bot 3	690 OXY 42 2020-005 200 m bot 4	691 OXY 42 2020-005 175 m bot 5	692 OXY 42 2020-005 150 m bot 6	693 OXY 42 2020-005 125 m bot 7	694 OXY 42 2020-005 100 m bot 8	695 OXY 42 2020-005 75 m bot 9	696 OXY 42 2020-005 50 m bot 10	697 OXY 42 2020-005 30 m bot 11	698 OXY 42 2020-005 20 m bot 12
	699 OXY 42 2020-005 10 m bot 13	700A OXY 42 2020-005 5 m bot 14	700B OXY 42 2020-005 5 m bot 14	701 OXY 42 2020-005 0 m bot 15									

Bottle integrity: First test the top vent (V)

the vent. Mark 'x' in the appropriate column if either fails the integrity check and explain this in the comments column.