

Dissolved Oxygen Analysis Log Sheet

Institute of Ocean Sciences
Water Properties Group



Last Updated: March 2025

Cruise and Analysis Information		Nisk ID	Nisk Int V S	Sample ID	Flask 1	Draw Temp 1 (°C)	OXY-1 (mL/L)	OXY-1 Comments	Nisk ID	Sample ID	Flask 2	Draw Temp 2 (°C)	OXY-2 (mL/L)	OXY-2 Comments
Cruise Number:	2025-005	1		1A	3131	10.5	0		1	1B	1337	10.7	0	
Event:	001	2		2	3150	10.6	0.026		2					
Station:	SI	3		3	1392	10.5	1.236		3					
Event Date (Local):	10-04-2025	4		4	620	10.3	4.990		4					New thermometer
Analysis Date (Local):	11 April 2025	5		5	3089	12.3	5.869	(9.4)	5					New
Analyst:	ER	6		6	1002	13.3	9.958	(MD 9.5)	6	1650	1337	10.7	9.990	(DEMO, DON'T USE)
Stdization Date (Local):	10 April 2025	7		7	3025	14.1	10.785	(9.6) JVIC	7					Thermometer off - to change
KIO ₃ N:	0.0122923	8							8					
Standard Titer:	0.4971398	9							9					
IO ₃ Vol (20C):	10.00287	10						Bottles 5 → 7	10					
Blank Titer:	0.0008536	11						Thermo off	11					
THIO N:	0.247757	12						Use CTD temp.	12					
Sample Flask Water Seal? ☒ Yes ☐ No		13							13					
Reagent Change? ☒ MnCl ₂ ☐ NaI/NaOH		14		5	6	7			14			4		
(Please circle reagent that was changed prior to sampling and standardization)		15		OXY	OXY	OXY			15			OXY		
NOTE NEW BATCH HERE & IN LOG BOOK		16		SI	SI	SI			16			SI		
		17		2025-005	2025-005	2025-005			17			2025-005		
		18		10 m	5 m	0 m			18			50 m		
		19		bot 5	bot 6	bot 7			19			bot 4		
DRAWING: LW w/ER		20							20					
PICKLING: JA w/ER		21							21					
Earth.xlsx		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:	2025-005	1	✓	✓	12	3118	8.4	4.555						1					
Event:	006	2	✓	✓	13	2047	8.5	5.019						2					
Station:	59	3	✓	✓	14	639	8.5	5.679						3					
Event Date (Local):	10-04-2025	4	✓	✓	15	1403	8.5	5.144						4					
Analysis Date (Local):	11 Apr 2025	5	✓	✓	16A	995	8.5	5.209						5	16B	510	8.6	5.211	
Analyst:	ER	6	✓	✓	17	3062	8.6	5.426						6					
Stdization Date (Local):	10 Apr 2025	7	✓	✓	18	954	8.7	5.552						7					
KIO ₃ N:	0.0122923	8	✓	✓	19	1015	8.7	5.577	5.577					8					25 OXY 59 2025-005 0 m bot 14
Standard Titer:	0.497138	9	✓	✓	20	951	8.7	5.629						9					
IO3 Vol (20C):	9.99770/10.00287	10	✓	✓	21A	3110	8.7	5.695						10	21B	987	8.7	5.696	
Blank Titer:	0.0008536	11	✓	✓	22	1498	8.7	5.723						11					
THIO N:	0.247737	12	✓	✓	23	948	8.8	5.823	little bubbles in flask flask 3					12					24 OXY 59 2025-005 5 m bot 13
Sample Flask Water Seal?	Yes No	13	✓	✓	24	1178	8.8	5.843	Niskin didn't seal - steady leak					13					
Reagent Change?	MnCl ₂	14	✓	✓	25	990	8.8	5.849						14					23 OXY 59 2025-005 10 m bot 12
(Please circle reagent that was changed prior to sampling and standardization)	NaI/NaOH	15												15					
NOTE NEW BATCH HERE & IN LOG BOOK	H ₂ SO ₄	16												16					
	KIO ₃	17												17					
	THIO	18												18					
DRAWING:	JK	19												19					
PICKLING:	KY	20												20					
Earth.xlsx	very windy	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:	2025-005	1		27	3037	8.1	3.922		1					
Event:	009	2		28	1297	8.2	4.023		2					
Station:	62	3		29	745	8.3	4.844		3					
Event Date (Local):	10-04-2025	4		30A	3059	8.5	5.286		4	30B	1441	8.5	5.289	
Analysis Date (Local):	11 Apr 2025	5		31	3100	8.5	5.526		5					
Analyst:	ER	6		32	940	8.7	5.746		6					
Stdization Date (Local):	10 Apr 2025	7		33	2025	8.7	5.901		7					
KIO ₃ N:	0.0122923	8		34	3209	8.7	5.917		8					
Standard Titer:	0.4971398	9		35	1439	8.7	6.900		9					
IO3 Vol (20C):	9.9910	10		36	2068	8.7	5.913		10					
Blank Titer:	0.0008536	11	✓	37	1189	8.8	5.965		11					
THIO N:	0.247757	12							12					
Sample Flask Water Seal?	Yes	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 HERE & IN LOG BOOK	H ₂ SO ₄	16							16					
	KIO ₃	17							17					
	THIO	18							18					
DRAWING:	LW	19		27	28	29	30A	30B	31	32	33	34	35	36
PICKLING:	KY	20		OXY	OXY	OXY	OXY	OXY	OXY	OXY	OXY	OXY	OXY	OXY
		21		62	62	62	62	62	62	62	62	62	62	62
		22		2025-005	2025-005	2025-005	2025-005	2025-005	2025-005	2025-005	2025-005	2025-005	2025-005	2025-005
		23		bot-5 m	125 m	100 m	75 m	75 m	50 m	40 m	30 m	20 m	10 m	5 m
		24		bot 1	bot 2	bot 3	bot 4	bot 4	bot 5	bot 6	bot 7	bot 8	bot 9	bot 10
		24												bot 11

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:	2025-005	1		38	1293	8.4	5.246				1							
Event:	011	2		39	12	8.4	5.236				2							
Station:	56	3		40	1499	8.4	5.169				3							
Event Date (Local):	10-04-2025	4		41A	3033	8.4	5.191				4	41B	2035	8.4	5.19			
Analysis Date (Local):	11 Apr 2025	5		42	903	8.4	5.203				5							
Analyst:	ER	6		43	20	8.4	5.407				6							
Stdization Date (Local):	10 Apr 2025	7		44A	1398	8.4	5.320				7	44B	161	8.4	5.331			
KIO ₃ N:	0.0122923	8		45	5	8.5	5.339				8							
Standard Titer:	0.4971398	9		46	251	8.5	5.301				9							
IO3 Vol (20C):	9.9970	10		47	429	8.5	5.394				10							
Blank Titer:	0.0008536	11		48	901	8.5	5.407				11							
THIO N:	0.247757	12		49	1410	8.5	5.420				12							
Sample Flask Water Seal?	Yes No	13	X	50	950	8.5	5.478	48	49	50	13							
Reagent Change?	MnCl ₂	14	X	51	1298	8.6	5.591	OXY	OXY	OXY	14							
(Please circle reagent that was changed prior to sampling and standardization)	NaI/NaOH	15						56	56	56	15							
NOTE NEW BATCH HERE & IN LOG BOOK	H ₂ SO ₄	16						2025-005	2025-005	2025-005	16							
	KIO ₃	17						20 m	10 m	5 m	17							
	THIO	18						bot 11	bot 12	bot 13	18							

DRAWING: ER
PICKLING: SR
Frog.xlsx

51
OXY
56
2025-005
0 m
bot 14

38
OXY
56
2025-005
bot-5 m
bot 1

39
OXY
56
2025-005
200 m
bot 2

40
OXY
56
2025-005
175 m
bot 3

41B
OXY
56
2025-005
150 m
bot 4

42
OXY
56
2025-005
125 m
bot 5

43
OXY
56
2025-005
100 m
bot 6

44B
OXY
56
2025-005
75 m
bot 7

45
OXY
56
2025-005
50 m
bot 8

46
OXY
56
2025-005
40 m
bot 9

47
OXY
56
2025-005
30 m
bot 10

Bottle integrity: First test the top vent (V) by opening the lower spigot (S) then test the lower vent (V) 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:	2025-005	1		52	182	8.4	4.923	Flask # 1471	1					
Event:	19	2		53A	1054	8.5	5.049	Flask # 954 O2 = 5.049 →	2	53B	1471	8.5	5.049	Flask # 1054 } ok in raw file
Station:	46	3		54	345	8.5	5.160	Flask # 3135	3					
Event Date (Local):	11-04-2025	4		55A	929	8.5	5.262		4					
Analysis Date (Local):	11 Apr 2025	5		56	3020	8.5	5.464		5					
Analyst:	ER	6		57	1457	8.6	5.683		6					
Stdization Date (Local):	10 Apr 2025	7		58	3120	8.7	5.716		7					
KIO ₃ N:	0.0122923	8		59A	3002	8.8	5.759		8	59B	2089	8.7	5.761	
Standard Titer:	0.4971385	9		60	2000	8.9	6.108		9					
IO3 Vol (20C):	0.9970	10		61	132	9.0	6.483		10					
Blank Titer:	0.0008536	11		62	1322	9.1	6.964		11					
THIO N:	0.247757	12		63	3075	10.2	7.134		12					
Sample Flask Water Seal?	☒ Yes ☐ No	13							13					
Reagent Change?	MnCl ₂	14		53B	52				14					
(Please circle reagent that was changed prior to sampling and standardization)	NaI/NaOH	15		OXY	OXY				15					
NOTE NEW BATCH HERE & IN LOG BOOK	H ₂ SO ₄	16		46	46				16					
	KIO ₃	17		2025-005	2025-005				17					
	THIO	18		150 m	bot-5 m				18					
DRAWING:	SR	19		bot 2	bot 1				19					
PICKLING:	ER	20		62	63				20					
Tall Ship.xlsx		21		OXY	OXY				21					
NO DUP @ 55		22		46	46				22					
		23		2025-005	2025-005				23					
		24		5 m	0 m				24					

Bottle integrity: First test the top vent (V) by op bot 11 spigot (S) then 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:	2025-005	1	✓	64	3037	9.9	2.892	1x OT	1							
Event:	23	2	✓	65	1297	9.9	2.933		2							
Station:	42	3	✓	66A	745	9.9	3.229		3	66B	3059	9.9	3.223	1x OT		
Event Date (Local):	11-04-2025	4	✓	67	1441	9.8	3.737		4	308B 3100				in correct duplicate		
Analysis Date (Local):	12 Apr 2025	5	✓	68	940	9.8	4.058		5							
Analyst:	ER	6	✓	69	2025	9.7	4.467	zoop in flask, 1x OT	6					'NORMAL' setting giving short curves, adjusted		
Stdization Date (Local):	late 10 Apr	7	✓	70	3209	9.8	4.743		7							
KIO ₃ N:	0.0122923	8	✓	71	1439	9.7	4.733		8							
Standard Titer:	0.4971398	9	✓	72A	2068	9.7	4.908		9	72B	1189	9.7	4.911	1x OT - changed water bath after sample bubble in flask & zoopl.		
IO3 Vol (20C):	0.9970	10	✓	73	946	9.8	5.650	try floaty in sample zoopl??	10							
Blank Titer:	0.0008536	11	✓	74	1298	9.9	5.347	1x OT	11							
THIO N:	0.247757	12	✓	75	950	10.2	5.105	1x OT	12							
Sample Flask Water Seal?	☒ Yes ☐ No	13	✓	76	1410	10.5	6.304		13							
Reagent Change?	MnCl ₂	14	✓	77	901	10.7	6.838		14							
(Please circle reagent that was changed prior to sampling and standardization)	NaI/NaOH	15	✓	78	429	11.3	7.307		15							
NOTE NEW BATCH HERE & IN LOG BOOK	H ₂ SO ₄	16	✗	79	251	13.2	8.914	1x OT	16					not sealed (top vent not tight)		
	KIO ₃															
	THIO															
DRAWING:	KY			64	65	66A	66B	67	68	69	70	71	72A	72B	73	74
PICKLING:	OT			OXY	OXY	OXY	OXY	OXY	OXY	OXY	OXY	OXY	OXY	OXY	OXY	OXY
				42	42	42	42	42	42	42	42	42	42	42	42	42
				2025-005	2025-005	2025-005	2025-005	2025-005	2025-005	2025-005	2025-005	2025-005	2025-005	2025-005	2025-005	2025-005
				bot-5 m	300 m	250 m	250 m	200 m	175 m	150 m	125 m	100 m	75 m	75 m	50 m	40 m
				bot 1	bot 2	bot 3	bot 3	bot 4	bot 5	bot 6	bot 7	bot 8	bot 9	bot 9	bot 10	bot 11
				75	76	77	78	79								
				OXY	OXY	OXY	OXY	OXY								
				42	42	42	42	42								
				2025-005	2025-005	2025-005	2025-005	2025-005								
				30 m	20 m	10 m	5 m	0 m								
				bot 12	bot 13	bot 14	bot 15	bot 16								

Bottle integrity: First test the top vent (V)

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Cruise Number:	2025-005						1	✓✓	81A	153	9.9	2.714			1	81B	439	10.0	2.704		OXY
Event:	27						2	✓✓	82	957	9.9	2.748			2						39
Station:	39						3	✓✓	83	1453	9.8	3.077			3						2025-005
Event Date (Local):	11-04-2025						4	✓✓	84	182	9.7	3.534	closed program between 84+85.		4	→ ✓ OK.					5 m
Analysis Date (Local):	12 April 2025						5	✓✓	85	1471	9.1	4.535			5						bot 16
Analyst:	ER						6	✓✓	86	1054	9.0	5.00			6					94	95
Stdization Date (Local):	12 April 2025						7	✓✓	87	945	8.9	5.150			7					OXY	OXY
KIO ₃ N:	0.012223						8	✓✓	88	3135	9.0	5.077			8					39	39
Standard Titer:	6.49683						9	✓✓	89	929	9.1	4.653			9					2025-005	10 m
IO ₃ Vol (20C):	9.9970						10	✓✓	90A	1457	9.1	5.389			10	90B	3020	9.1	5.385		20 m
Blank Titer:	0.0067494						11	✓✓	91	3120	9.3	5.293			11					bot 14	bot 15
THIO N:	0.247728						12	✓✓	92	2089	9.4	4.988			12					92	93
Sample Flask Water Seal?	Yes						13	✓✓	93	3002	9.6	5.000			13					OXY	OXY
Reagent Change?	MnCl ₂						14	✓✓	94	2000	9.6	-9.9	problem - got stuck at 1.46 V		14	→ changed bath + cleaned lens.			39	39	
(Please circle reagent that was changed prior to sampling and standardization)	NaI/NaOH						15	✓✓	95	132	9.8	5.986	seems OK now volume = 0.6380		15				2025-005	2025-005	
NOTE NEW BATCH HERE & IN LOG BOOK	H ₂ SO ₄						16	✓✓	96	1322	10.3	7.242			16				40 m	30 m	
	KIO ₃						17	✓✓	97	3075	10.8	8.516			17				bot 12	bot 13	
	THIO						18								18						
DRAWING:	LY																			90A	91
PICKLING:	OS																			OXY	OXY
Tall Ship.xlsx	97								81A		82	83	84	85	86	87	88	89	90B		
	OXY								OXY		OXY	OXY	OXY	OXY	OXY	OXY	OXY	OXY			
	39								39		39	39	39	39	39	39	39	39	39	39	
	2025-005								2025-005		2025-005	2025-005	2025-005	2025-005	2025-005	2025-005	2025-005	2025-005	2025-005	2025-005	
	0 m								bot-5 m		350 m	300 m	250 m	200 m	175 m	150 m	125 m	100 m	75 m	75 m	
	bot 17								bot 1		bot 2	bot 3	bot 4	bot 5	bot 6	bot 7	bot 8	bot 9	bot 10	bot 10	
									bot 1												

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Cruise Number:	2025-005						1		107	3131	8.9	2.717	Run as 108 w/ flask 1337	1	x					
Event:	035						2		108	1337	8.7	2.734	Run as 109A w/ flask 3150	2						
Station:	27						3		109A	1350	8.7	2.750	flask 3150 Run as 109B w/ flask 1337	3	109B	1392	8.9	2.743	correct flask ✓ sample ✓	
Event Date (Local):	11-04-2025						4		110	620	8.7	3.457		4						
Analysis Date (Local):	13 Apr 2025						5		111	3089	8.6	3.788		5						
Analyst:	ER						6		112	1002	8.5	4.297		6						
Stdization Date (Local):	12 Apr 2025						7		113	3025	8.5	4.394		7						
KIO ₃ N:	0.0122923						8		114	1050	8.6	4.336		8						
Standard Titer:	0.49768433						9		115	3118	8.6	4.389		9						
IO3 Vol (20C):	9.9970						10		116	2047	8.7	4.500		10						
Blank Titer:	0.0007449						11		117A	639	8.7	4.606		11	117B	1403	8.7	4.619	small bubble in flask	
THIO N:	0.247728						12		118	995	8.7	5.525		12						
Sample Flask Water Seal?	☒ Yes ☐ No						13		119	510	8.7	5.689		13						
Reagent Change?	MnCl ₂						14		120	3062	9.0	7.999		14						
(Please circle reagent that was changed prior to sampling and standardization)	NaI/NaOH						15		121	954	9.3	8.857		15						
NOTE NEW BATCH HERE & IN LOGBOOK	H ₂ SO ₄						16		122	1015	9.3	8.872		16						
	KIO ₃						17							17						
	THIO						18							18						
DRAWING:	HS						19		107	108	109A	109B	110	111	112	113	114	115	116	117A
PICKLING:	ER						20		OXY	OXY	OXY	OXY	OXY	OXY	OXY	OXY	OXY	OXY	OXY	OXY
	macro not working need to make box file WINDY						21		27	27	27	27	27	27	27	27	27	27	27	27
	EARTH LIX						22		2025-005	2025-005	2025-005	2025-005	2025-005	2025-005	2025-005	2025-005	2025-005	2025-005	2025-005	
							23		bot-5 m	300 m	250 m	250 m	200 m	175 m	150 m	125 m	100 m	75 m	50 m	40 m
							24		bot 1	bot 2	bot 3	bot 3	bot 4	bot 5	bot 6	bot 7	bot 8	bot 9	bot 10	bot 11
							25		117B	118	119	120	121	122						
							26		OXY	OXY	OXY	OXY	OXY	OXY						
							27		27	27	27	27	27	27						
							28		2025-005	2025-005	2025-005	2025-005	2025-005	2025-005						
							29		40 m	30 m	20 m	10 m	5 m	0 m						
							30		bot 11	bot 12	bot 13	bot 14	bot 15	bot 16						

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

ate 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: March 2025

Cruise and Analysis Information						Nisk ID	Nisk Int V S	Sample ID	Flask 1	Draw Temp 1 (°C)	OXY-1 (mL/L)	OXY-1 Comments	Nisk ID	Sample ID	Flask 2	Draw Temp 2 (°C)	OXY-2 (mL/L)	OXY-2 Comments
Cruise Number:	2025-005					1		124	1241	8.6	2.578	Leak point 0.2683 mL use instead of OT	1					
Event:	042					2		125	657	8.5	3.045		2					
Station:	2					3		126	3094	8.4	3.481		3					
Event Date (Local):	12-04-2025					4		127	985	8.3	3.852		4					
Analysis Date (Local):	12 Apr 2025					5		128	1467	8.3	4.057		5					
Analyst:	ER					6		129A	1202	8.4	4.088		6	129B	992	8.4	4.089	
Stdization Date (Local):	12 Apr 2025					7		130	437	8.4	4.227		7					
KIO ₃ N:	0.0122923					8		131	3142	8.5	4.170		8					
Standard Titer:	0.4968433					9		132	1454	8.7	4.855		9					
IO3 Vol (20C):	9.9970					10		133	2055	8.7	4.559		10					
Blank Titer:	0.0007449					11		134	186	8.7	5.361		11					
THIO N:	0.247728					12		135	1412	9.0	6.127		12					
Sample Flask Water Seal?	☒ Yes ☐ No					13		136	109	9.3	7.696		13					
Reagent Change?	MnCl ₂					14		137A	144	10.2	8.142		14	137B	1478	9.9	8.143	
(Please circle reagent that was changed prior to sampling and standardization)	NaI/NaOH					15		138	1371	11.2	8.041		15					
NOTE NEW BATCH HERE & IN LOG BOOK	H ₂ SO ₄					16							16					
	KIO ₃					17												
	THIO					18												
DRAWING:	SR					19												
PICKLING:	ER					20												
MERMAID . XIX						21												
						22												
						23												
						24												

Bottle integrity: First test the top vent (V) by opening the bottle. If the oxygen reading is less than 0.1 mL/L, the bottle is leaking. If the oxygen reading is greater than 0.1 mL/L, the bottle is not leaking. If the oxygen reading is less than 0.1 mL/L, the bottle is leaking. If the oxygen reading is greater than 0.1 mL/L, the bottle is not leaking. If the oxygen reading is less than 0.1 mL/L, the bottle is leaking. If the oxygen reading is greater than 0.1 mL/L, the bottle is not leaking.

Dissolved Oxygen Analysis Log Sheet

Institute of Ocean Sciences
Water Properties Group



Cruise and Analysis Information		Nisk ID	Nisk Int V S	Sample ID	Flask 1	Draw Temp 1 (°C)	OXY-1 (mL/L)	OXY-1 Comments	Nisk ID	Sample ID	Flask 2	Draw Temp 2 (°C)	OXY-2 (mL/L)	OXY-2 Comments
Cruise Number:	2025-005	1		156	130	8.4	3.810		1					
Event:	47	2		157	923	8.4	3.884		2					
Station:	6	3		158	3032	8.4	4.213		3					
Event Date (Local):	12-04-2025	4		159A	114	8.6	3.961		4	159B	252	8.6	3.955	
Analysis Date (Local):	13 APRIL 25	5		160	3117	8.7	3.614		5					
Analyst:	ER	6		161	1465	8.7	4.165		6					
Stdization Date (Local):	12 APRIL 25	7		162	1153	8.8	4.033		7					
KIO ₃ N:	0.0122923	8		163	6	8.8	5.333		8					
Standard Titer:	9.9979393	9		164	154	8.7	6.109		9					
IO3 Vol (20C):	9.99794	10		165A	968	9.1	6.805		10	165B	575	8.9	6.806	
Blank Titer:	0.4968433	11		166	171	9.6	7.779		11					
THIO N:	0.247724	12		167	3028	9.6	7.777		12					
Sample Flask Water Seal?	Yes No	13	X	168	1299	9.9	7.702		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 HERE & IN LOG BOOK	H ₂ SO ₄	16							16					
	KIO ₃	17							17					
	THIO	18							18					
DRAWING:	SA	19							19					
PICKLING:	ER	20							20					
Snail.xlsx		21							21					
		22							22					
		23							23					
		24							24					

Bottle integrity: First test the top vent (V) by opening the bottle. If the bottle fails the integrity check, mark the bottle as 'X' in the comments column. If the bottle fails the integrity check, explain this in the comments column.

Dissolved Oxygen Analysis Log Sheet

Institute of Ocean Sciences
Water Properties Group



Last Updated: March 2025

Cruise and Analysis Information		Nisk ID	Nisk Int V S	Sample ID	Flask 1	Draw Temp 1 (°C)	OXY-1 (mL/L)	OXY-1 Comments	Nisk ID	Sample ID	Flask 2	Draw Temp 2 (°C)	OXY-2 (mL/L)	OXY-2 Comments
Cruise Number:	2025-005	1	✓	169	1374	10.3	2.78	event 50 FILE 05001	1					
Event:	50 + 51	2	✓	170A	144	10.2	3.355		2	170B	1478	10.	3.368	
Station:	9	3	✓	171	109	10.3	3.355		3					
Event Date (Local):	12-04-2025	4	✓	172	1412	10.6	3.851		4					
Analysis Date (Local):	13 Apr 2025	5	✓	173	186	11.3	4.429	event 51 FILE 05101	5					
Analyst:	ER	6		174	2055			x no samples	6					
Stdization Date (Local):	12 April 2025	7		175	1454				7					
KIO ₃ N:	0.0122923	8		176	3142				8					
Standard Titer:	0.4968433	9		177	437				9					
IO ₃ Vol (20C):	9.9970	10		178	1202				10					
Blank Titer:	0.0007443	11		179A	992				11	179B	1467			
THIO N:	0.247728	12		180	985				12					
Sample Flask Water Seal?	Yes	13							13					
Reagent Change?	MnCl ₂	14							14					
(Please circle reagent that was changed prior to sampling and standardization)	NaI/NaOH	15												
NOTE NEW BATCH HERE & IN LOG BOOK	H ₂ SO ₄	16												
	KIO ₃	17												
	THIO	18												
DRAWING:	KY	19												
PICKLING:	IF	20												
Mermaid.xlsx		21												
replaced oxy log file		22												
made box file		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.

→ Power loss when Rosette at 75m Bottles 1-4 event 50
Bottle 5 event 51

Rosette recovered
not relaunched

Dissolved Oxygen Analysis Log Sheet

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Cruise and Analysis Information							OXY-1							OXY-2						
							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:	2025-005						1	✓✓	174	2055	9.7	2.692	1x OT	1						
Event:	55						2	✓✓	175	1454	9.6	2.916		2						
Station:	12						3	✓✓	176	3142	9.5	2.398	1x OT	3						
Event Date (Local):	12-04-2025						4	✓✓	177A	437	9.4	3.888		4	177B	1202	9.4	3.902		
Analysis Date (Local):	13 Apr 2025						5	✓✓	178	992	9.4	4.472	2x OT	5						
Analyst:	ER/HS						6	✓✓	179	1467	9.4	4.125	2009 in sample	6						
Stdization Date (Local):	12 Apr 2025						7	✓✓	180	985	9.5	3.920		7						
KIO ₃ N:	0.0122923						8	✓✓	181	3094	9.7	3.364		8						
Standard Titer:	0.4968433						9	✓✓	182	657	9.6	3.940	1x OT	9						
IO3 Vol (20C):	9.9970						10	✓✓	183	1241	9.6	4.649		10						
Blank Titer:	0.0007443						11	✓✓	184	137	9.7	5.394		11						
THIO N:	0.247728						12	✓✓	185	3170	9.7	6.208		12						
Sample Flask Water Seal?	Yes						13	✓	186	184	10.1	7.116		13						
Reagent Change?	MnCl ₂						14	✓✓	187A	1213	10.1	7.610		14	187B	110	10.0	7.609		
(Please circle reagent that was changed prior to sampling and standardization)	NaI/NaOH						15	✓✓	188	1276	10.4	7.944		15						
NOTE NEW BATCH HERE & IN LOG BOOK	H ₂ SO ₄						16	✓✓	189	994	11.0	8.045	1x OT	16						
							17		174	175	176	177A	177B	178	179	180	181	182	183	184
							18		OXY	OXY	OXY	OXY	OXY	OXY	OXY	OXY	OXY	OXY	OXY	OXY
							19		12	12	12	12	12	12	12	12	12	12	12	12
							20		2025-005	2025-005	2025-005	2025-005	2025-005	2025-005	2025-005	2025-005	2025-005	2025-005	2025-005	2025-005
							21		bot-5 m	300 m	250 m	200 m	200 m	175 m	150 m	125 m	100 m	75 m	50 m	40 m
							22		bot 1	bot 2	bot 3	bot 4	bot 4	bot 5	bot 6	bot 7	bot 8	bot 9	bot 10	bot 11
							23		185	186	187A	187B	188	189						
							24		OXY	OXY	OXY	OXY	OXY	OXY						
									12	12	12	12	12	12						
									2025-005	2025-005	2025-005	2025-005	2025-005	2025-005						
									30 m	20 m	10 m	10 m	5 m	0 m						
									bot 12	bot 13	bot 14	bot 14	bot 15	bot 16						

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

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

low

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:	2025-005	1	✓✓	191	3075	9.2	2.931		1					1					
Event:	58	2	✓✓	192A	1322	9.2	3.031		2	192B	132	9.2	3.024	2					
Station:	14	3	✓✓	193	2000	9.1	3.491		3					3					
Event Date (Local):	12-04-2025	4	✓✓	194	3002	9.1	3.548		4					4					
Analysis Date (Local):	13 APRIL	5	✓✓	195	2089	9.1	3.481		5					5					
Analyst:	HS	6	✓✓	196A	3120	9.2	3.449		6	196B	1457	9.2	3.450	6					
Stdization Date (Local):	12 APRIL	7	✓✓	197	3020	9.2	3.600		7					7					
KIO ₃ N:	0.002923	8	✓✓	198	929	9.2	4.020		8					8					
Standard Titer:	0.4968433	9	✓✓	199	3135	9.1	4.557	1x OT	9					9					
IO3 Vol (20C):	9.99794	10	✓✓	200	945	9.2	5.491		10					10					
Blank Titer:	0.0007449	11	✓✓	201	1054	9.2	5.703		11					11					
THIO N:	0.247728	12	✓✓	202	1471	9.2	5.992		12					12					
Sample Flask Water Seal?	Yes	13	✓✓	203	182	9.2	6.221		13					13					
Reagent Change?	MnCl ₂	14	✓✓	204	1453	9.3	6.710		14					14					
(Please circle reagent that was changed prior to sampling and standardization)	NaI/NaOH	15	✓✓	205	957	9.6	7.620		15					15					
NOTE NEW BATCH HERE & IN LOG BOOK	H ₂ SO ₄	16	✓✓	206	153	10.0	8.091		16					16					
	KIO ₃	17							17										
	THIO	18							18										
DRAWING:	KY	19							19										
PICKLING:	JT	20							20										
Tall Ship.xlsx		21							21										
		22							22										
		23							23										
		24							24										

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

14	14	14	14	14	14	14	14	14	14	14	14	14	14	14	14	14	14	14	14
2025-005	2025-005	2025-005	2025-005	2025-005	2025-005	2025-005	2025-005	2025-005	2025-005	2025-005	2025-005	2025-005	2025-005	2025-005	2025-005	2025-005	2025-005	2025-005	2025-005
40 m	30 m	20 m	10 m	5 m	0 m														
bot 11	bot 12	bot 13	bot 14	bot 15	bot 16														

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:	2025-005	1		208	918	8.9	3.338							1						
Event:	060	2		209	244	9.0	3.378							2						
Station:	16	3		210A	910	9.2	3.507							3	210B	3080	9.3	3.510	sampled 1st, 1xOT	
Event Date (Local):	12-04-2025	4		211	175	9.2	4.157							4						
Analysis Date (Local):	13 Apr 2025	5		212	1059	9.5	4.662							5						
Analyst:	ER	6		213	15	9.5	4.781							6						
Stdization Date (Local):	12 Apr 2025	7		214	1174	9.6	5.046							7						
KIO ₃ N:	0.0122923	8		215	253	9.9	5.283							8						
Standard Titer:	0.4968433	9		216	3041	10.2	5.757							9						
IO3 Vol (20C):	9.9970	10		217	913	10.9	7.157							10						
Blank Titer:	0.0007443	11		218A	143	10.7	7.814							11	218B	14	11.6	7.817		
THIO N:	0.247728	12												12						
Sample Flask Water Seal?	Yes	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 HERE & IN LOG BOOK	H ₂ SO ₄	16												16						
	KIO ₃	17												17						
	THIO	18												18						
		19												19						
		20												20						

DRAWING:	208	210A	210B	211	212	213	214	215	216	217	218A	218B	209
PICKLING:	OXY	OXY	OXY	OXY	OXY	OXY	OXY	OXY	OXY	OXY	OXY	OXY	OXY
Snail.xlsx	16	16	16	16	16	16	16	16	16	16	16	16	16
	2025-005	2025-005	2025-005	2025-005	2025-005	2025-005	2025-005	2025-005	2025-005	2025-005	2025-005	2025-005	2025-005
	bot-5 m	100 m	100 m	75 m	50 m	40 m	30 m	20 m	10 m	5 m	0 m	0 m	125 m
	bot 1	bot 3	bot 3	bot 4	bot 5	bot 6	bot 7	bot 8	bot 9	bot 10	bot 11	bot 11	bot 2

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

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Institute of Ocean Sciences
Water Properties Group



Last Updated: March 2025

Cruise and Analysis Information							Nisk ID	Nisk Int V S	Sample ID	Flask 1	Draw Temp 1 (°C)	OXY-1 (mL/L)	OXY-1 Comments	Nisk ID	Sample ID	Flask 2	Draw Temp 2 (°C)	OXY-2 (mL/L)	OXY-2 Comments	
Cruise Number:	2025-005						1		219	3037	8.7	3.318		1						
Event:	062						2		220	1297	8.6	3.343		2						
Station:	QU39						3		221	745	8.6	3.514		3						
Event Date (Local):	13-04-2025						4		222	3059	8.7	3.598		4						
Analysis Date (Local):	13 Apr 2025						5		223A	1441	8.7	3.677		5	223B	3100	8.7	3.675		
Analyst:	ER						6		224	940	9.0	3.214		6						
Stdization Date (Local):	12 Apr 2025						7		225	2025	9.0	3.318		7						
KIO ₃ N:	0.0122423						8		226	3209	9.1	4.038		8						
Standard Titer:	0.4968433						9		227A	1439	9.3	4.742		9	227B	2068	9.3	4.046	dup taken on bottle 8?	
IO3 Vol (20C):	9.9970						10		228	1189	9.5	5.785		10						
Blank Titer:	0.0007443						11		229	946	9.8	7.058		11						
THIO N:	0.247728						12		230	1298	10.4	7.848		12						
Sample Flask Water Seal?	☒ Yes ☐ No						13		231	950	11.1	8.119		13						
Reagent Change?	MnCl ₂						14		232	1410	11.6	8.124		14						
(Please circle reagent that was changed prior to sampling and standardization)	NaI/NaOH						15		219	220	221	222	223A	223B	224	225	226	227A	227B	228
NOTE NEW BATCH HERE & IN LOG BOOK	H ₂ SO ₄						16		OXY	OXY	OXY	OXY	OXY	OXY	OXY	OXY	OXY	OXY	OXY	OXY
	KIO ₃						17		QU39	QU39	QU39	QU39	QU39	QU39	QU39	QU39	QU39	QU39	QU39	QU39
	THIO						18		2025-005	2025-005	2025-005	2025-005	2025-005	2025-005	2025-005	2025-005	2025-005	2025-005	2025-005	2025-005
DRAWING:	SR						19		bot-5 m	250 m	200 m	175 m	150 m	150 m	125 m	100 m	50 m	40 m	40 m	30 m
PICKLING:	ER						20		bot 1	bot 2	bot 3	bot 4	bot 5	bot 5	bot 6	bot 7	bot 8	bot 9	bot 9	bot 10
Frog.xlsx							21		229	230	231	232								
							22		OXY	OXY	OXY	OXY								
							23		QU39	QU39	QU39	QU39								
							24		2025-005	2025-005	2025-005	2025-005								
									20 m	10 m	5 m	0 m								
									bot 11	bot 12	bot 13	bot 14								

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

nt. 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:	2025-005	1	✓✓	250	1410	10.1	1.827		1					
Event:	70	2	✓✓	251	950	10.2	1.789		2					
Station:	Je09	3	✓✓	252	1298	10.2	1.556		3					
Event Date (Local):	13-04-2025	4	✓✓	253A	1189	10.3	0.830		4	253B	946	10.2	0.833	
Analysis Date (Local):	14 APRIL	5	✓✓	254	2068	10.4	1.140		5					
Analyst:	HS	6	✓✓	255A	3209	10.6	1.483		6	255B	1439	10.5	1.492	
Stdization Date (Local):	14 APRIL	7	✓X	256	2025	10.7	1.670		7					
KIO ₃ N:	0.0122923	8	✓✓	257	940	10.7	1.856		8					
Standard Titer:	0.4967472	9	✓✓	258	3100	10.8	2.145		9					
IO3 Vol (20C):	9.9955	10	✓✓	259	1441	10.4	3.641		10					
Blank Titer:	0.0006724	11	✓✓	260	3059	10.4	5.335		11					
THIO N:	0.244671	12	✓✓	261	745	10.9	6.080		12					
Sample Flask Water Seal?	Yes No	13	X✓	262	1297	11.6	6.453		13					
Reagent Change?	MnCl ₂	14	X✓	263	3037	12.5	8.835		14					
(Please circle reagent that was changed prior to sampling and standardization)	NaI/NaOH	15												
NOTE NEW BATCH HERE & IN LOG BOOK	H ₂ SO ₄	16		250	251	252	253B	253A	255B	255A	256	257	258	259
	KIO ₃	17		OXY	OXY	OXY	OXY	OXY	OXY	OXY	OXY	OXY	OXY	OXY
	THIO	18		Je09	Je09	Je09	Je09	Je09	Je09	Je09	Je09	Je09	Je09	Je09
		19		2025-005	2025-005	2025-005	2025-005	2025-005	2025-005	2025-005	2025-005	2025-005	2025-005	2025-005
		20		b-5 m	300 m	250 m	200 m	200 m	100 m	100 m	75 m	50 m	40 m	30 m
		21		bot 1	bot 2	bot 3	bot 4	bot 4	bot 6	bot 6	bot 7	bot 8	bot 9	bot 10
		22		261	262	263								
		23		OXY	OXY	OXY								
		24		Je09	Je09	Je09								
				2025-005	2025-005	2025-005								
				10 m	5 m	0 m								
				bot 12	bot 13	bot 14								

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

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:	2025-005						1	✓	✓	264	244	9.4	2.135		1					
Event:	77						2	✓	✓	265	918	9.5	2.173	1xOT	2					
Station:	Je03						3	✓	✓	266A	1299	9.5	2.173		3	266B	152	9.5	2.160	
Event Date (Local):	13-04-2025						4	✓	✓	267	3028	9.5	2.106		4					
Analysis Date (Local):	14 APRIL						5	✓	✓	268	171	9.5	2.086		5					
Analyst:	HS						6	✓	✓	269	575	9.5	2.453		6					
Stdization Date (Local):	14 APRIL						7	✓	✓	270	968	9.4	3.036		7					
KIO ₃ N:	0.0122923						8	✓	✓	271A	6	9.1	3.805	✓ Delete Mall Archipis lve.	8	271B	154	9.1	3.807	
Standard Titer:	0.4967472						9	✓	✓	272	1153	9.1	3.920		9					
IO3 Vol (20C):	9.99515						10	✓	✓	273	1465	9.2	3.754		10					
Blank Titer:	0.0006724						11	✓	✓	274	3117	9.2	3.918		11					
THIO N:	0.247671						12	✓	✓	275	252	9.3	4.280		12					
Sample Flask Water Seal?	Yes No						13	✓	✓	276	114	9.4	5.225	1xOT	13					
Reagent Change?	MnCl ₂						14	✓	✓	277	3032	9.8	6.217		14					
(Please circle reagent that was changed prior to sampling and standardization)	NaI/NaOH						15	✓	✓	278	923	10.3	7.799		15					
NOTE NEW BATCH HERE & IN LOG BOOK	H ₂ SO ₄						16								16					
	KIO ₃						17	✓	✓	280	130	10.7	8.563		17					
	THIO						18													
DRAWING:	KY						19			264			265							
PICKLING:	JU						20			OXY			OXY							
							21			Je03			Je03							
							22			2025-005			2025-005							
							23			b-5 m			500 m							
							24			bot 1			bot 2							
							25			2025-005			2025-005							
							26			Je03			Je03							
							27			OXY			OXY							
							28			274			275							
							29			bot 12			bot 13							
							30			30 m			20 m							
							31			2025-005			2025-005							
							32			Je03			Je03							
							33			OXY			OXY							
							34			276			277							
							35			bot 14			bot 15							
							36			2025-005			2025-005							
							37			Je03			Je03							
							38			OXY			OXY							
							39			277			278							
							40			bot 15			bot 16							
							41			5 m			5 m							
							42													

Dissolved Oxygen Analysis Log Sheet

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Cruise and Analysis Information		Nisk ID	Nisk Int V S	Sample ID	Flask 1	Draw Temp 1 (°C)	OXY-1 (mL/L)	OXY-1 Comments	Nisk ID	Sample ID	Flask 2	Draw Temp 2 (°C)	OXY-2 (mL/L)	OXY-2 Comments
Cruise Number:	2025-005	1	✓✓	290	968	9.6	4.480		1					
Event:	84	2	✓✓	291	154	9.7	4.833		2					
Station:	65	3	✓✓	292A	1153	9.6	4.978	4.978	3	292B	6	9.6	4.981	Ran B before A
Event Date (Local):	14-04-2025	4	✓✓	293	1465	9.7	5.290		4					
Analysis Date (Local):	15 Apr 2025	5	✓✓	294	3117	9.8	5.310		5					
Analyst:	ER	6	✓✓	295	252	10.0	5.516		6					
Stdization Date (Local):	14 Apr 2025	7	✓✓	296	114	10.0	5.783		7					
KIO ₃ N:	0.0122923	8	✓✓	297	3032	10.6	5.970		8					
Standard Titer:	0.4967472	9	✓✓	298	923	11.0	5.980		9					
IO3 Vol (20C):	9.9970	10	✓✓	299	130	11.8			10					
Blank Titer:	0.0006724	11							11					
THIO N:	0.24761	12		290	291	292B	292A	293	294	295	296	297	298	299
Sample Flask Water Seal?	Yes No	13		OXY	OXY	OXY	OXY	OXY	OXY	OXY	OXY	OXY	OXY	OXY
Reagent Change?	MnCl ₂	14		65	65	65	65	65	65	65	65	65	65	65
(Please circle reagent that was changed prior to sampling and standardization)	NaI/NaOH	15		2025-005	2025-005	2025-005	2025-005	2025-005	2025-005	2025-005	2025-005	2025-005	2025-005	2025-005
NOTE NEW BATCH HERE & IN LOG BOOK	H ₂ SO ₄	16		bot-5 m	100 m	75 m	75 m	50 m	40 m	30 m	20 m	10 m	5 m	0 m
	KIO ₃	17		bot 1	bot 2	bot 3	bot 3	bot 4	bot 5	bot 6	bot 7	bot 8	bot 9	bot 10
	THIO	18												
DRAWING:	KY	19												
PICKLING:	W	20												
Snail.xlsx		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: March 2025

Cruise and Analysis Information		Nisk ID	Nisk Int V S	Sample ID	Flask 1	Draw Temp 1 (°C)	OXY-1 (mL/L)	OXY-1 Comments	Nisk ID	Sample ID	Flask 2	Draw Temp 2 (°C)	OXY-2 (mL/L)	OXY-2 Comments
Cruise Number:	2025-005	1	✓✓	300	1174	9.5	3.983	1xOT	1					
Event:	85	2	✓✓	301	15	9.6	4.099		2					
Station:	adcp	3	✓✓	302A	175	9.7	4.793	1xOT	3	29288 1059				
Event Date (Local):	14-04-2025	4	✓✓	303	3080	9.8	5.315	ΔBATH WATER AFTER	4					
Analysis Date (Local):	15 APRIL	5	✓✓	304	910	10.1	5.894		5					
Analyst:	HA HS	6	✓✓	305	244	10.1	5.932	1xOT	6					
Stdization Date (Local):	14 APRIL	7	✓✓	306	918	10.2	5.991	no water seal	7					
KIO ₃ N:	0.0122923	8	✓✓	307	152	10.7	6.067		8					
Standard Titer:	0.4967472	9	✓✓	308A	3028	10.9	6.081		9	308B	1299	10.9	6.083	
IO3 Vol (20C):	9.99515	10	✓✓	309	171	11.7	6.092		10					
Blank Titer:	0.0006724	11							11					
THIO N:	0.247671	12							12					
Sample Flask Water Seal?	Yes No	13		300	301	302	303	304	305	306	307	308B	308A	309
		14		OXY	OXY	OXY	OXY	OXY	OXY	OXY	OXY	OXY	OXY	OXY
Reagent Change?	MnCl ₂	15		adcp	adcp	adcp	adcp	adcp	adcp	adcp	adcp	adcp	adcp	adcp
(Please circle reagent that was changed prior to sampling and standardization)	NaI/NaOH	16		2025-005	2025-005	2025-005	2025-005	2025-005	2025-005	2025-005	2025-005	2025-005	2025-005	2025-005
	H ₂ SO ₄	17		bot-5 m	100 m	75 m	50 m	40 m	30 m	20 m	10 m	5 m	5 m	0 m
NOTE NEW BATCH HERE & IN LOG BOOK	KIO ₃	18		bot 1	bot 2	bot 3	bot 4	bot 5	bot 6	bot 7	bot 8	bot 9	bot 9	bot 10
	THIO	19												
DRAWING:	14	20												
PICKLING:	55	21												
Snail.xlsx		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 Temp 1 (°C)	OXY-1 (mL/L)	OXY-1 Comments	Nisk ID	Sample ID	Flask 2	Draw Temp 2 (°C)	OXY-2 (mL/L)	OXY-2 Comments
Cruise Number:	2025-005	1	✓✓	311	985	8.7	2.457		1					
Event:	86	2	✓✓	312	1467	8.7	2.471		2					
Station:	69	3	✓✓	313	992	8.7	2.518		3					
Event Date (Local):	14-04-2025	4	✓✓	314A	437	8.7	3.128	LATE CURVE. O2 check 015926	4	314B	1202	8.7	3.121	RAN B BEFORE A. RUN PROBE
Analysis Date (Local):	15 Apr 2025	5	✓✓	315	3142	9.0	4.141		5					WEEP
Analyst:	ER	6	✓✓	316	1454	9.2	4.992	Δ BATH BEFORE RUNNING	6					
Stdization Date (Local):	14 Apr 2025	7	X✓	317	2055	9.3	5.256		7					
KIO ₃ N:	0.0122923	8	✓✓	318	186	9.3	5.544	ZOO in flask, curve noisy but ok	8					
Standard Titer:	0.4967472	9	✓✓	319	1412	9.5	5.775	aborted, restarted. OK!	9					
IO3 Vol (20C):	0.9978	10	✓✓	320A	1478	9.6	5.959		10	320B	109	9.5	5.985	Before A. 1x OT
Blank Titer:	0.0006724	11	✓✓	321	144	9.9	6.501		11					
THIO N:	0.247671	12	✓✓	322	1374	10.3	6.931		12					
Sample Flask Water Seal?	Yes No	13							13					
Reagent Change?	MnCl ₂	14		311	312					317				320A
(Please circle reagent that was changed prior to sampling and standardization)	NaI/NaOH	15		OXY	OXY					OXY				OXY
NOTE NEW BATCH HERE & IN LOG BOOK	H ₂ SO ₄	16		69	69					69				69
	KIO ₃	17		2025-005	2025-005					2025-005				2025-005
	THIO	18		bot-5 m	150 m					40 m				10 m
		19		bot 1	bot 2					bot 7				bot 10
DRAWING:	KY	20		321	322					bot 8				
PICKLING:	JJ	21		OXY	OXY									
Mermaid.xlsx		22		69	69									
		23		2025-005	2025-005									
		24		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.

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Cruise and Analysis Information							Nisk ID	Nisk Int V S	Sample ID	Flask 1	Draw Temp 1 (°C)	OXY-1 (mL/L)	OXY-1 Comments	Nisk ID	Sample ID	Flask 2	Draw Temp 2 (°C)	OXY-2 (mL/L)	OXY-2 Comments
Cruise Number:	2025-005	1	✓	✓	323A	986	8.2	2.142						1	323B	1425	8.2	2.13	
Event:	88	2	✓	✓	324	3162	8.2	2.154						2					
Station:	72	3	✓	✓	325	1209	8.3	2.169						3					
Event Date (Local):	14-04-2025	4	✓	✓	326	3088	8.5	2.434						4					
Analysis Date (Local):	15 APRIL	5	✓	✓	327	1484	8.5	3.158						5					
Analyst:	HS	6	✓	✓	328A	1276	8.7	3.988						6	328B	994	8.7	3.986	
Stdization Date (Local):	14 APRIL	7	✓	✓	329	110	8.8	4.665						7					
KIO ₃ N:	0.0122923	8	✓	✓	330	1213	8.9	5.044						8					
Standard Titer:	0.4967472	9	✓	✓	331	184	9.0	5.200						9					
IO ₃ Vol (20C):	9.99515	10	✓	✓	332	3170	9.2	5.640						10					
Blank Titer:	0.0006724	11	✓	✓	333	137	9.7	6.155						11					
THIO N:	0.247671	12	✓	✓	334	1241	9.8	6.183						12					
Sample Flask Water Seal?	Yes No	13	X	✓	335	657	10.0	6.208						13					
Reagent Change?	MnCl ₂	14																	
(Please circle reagent that was changed prior to sampling and standardization)	NaI/NaOH	15			323B	323A		324	325	326	327	328B			328A	329	330	331	332
NOTE NEW BATCH HERE & IN LOG BOOK	H ₂ SO ₄	16			OXY	OXY	OXY	OXY	OXY	OXY	OXY	OXY			OXY	OXY	OXY	OXY	OXY
	KIO ₃	17			72	72	72	72	72	72	72	72			72	72	72	72	72
	THIO	18			2025-005	2025-005	2025-005	2025-005	2025-005	2025-005	2025-005	2025-005			2025-005	2025-005	2025-005	2025-005	2025-005
		19			bot-5 m	bot-5 m	175 m	150 m	125 m	100 m	75 m	75 m			75 m	50 m	40 m	30 m	20 m
		20			bot 1	bot 1	bot 2	bot 3	bot 4	bot 5	bot 6	bot 6			bot 7	bot 8	bot 9	bot 10	
DRAWING:	KY	21			333	334	335							21					
PICKLING:	UJ	22			OXY	OXY	OXY							22					
Mermaid.xlsx		23			72	72	72							23					
		24			2025-005	2025-005	2025-005							24					
					10 m	5 m	0 m												
					bot 11	bot 12	bot 13												

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

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