

Dissolved Oxygen Analysis Log Sheet

Institute of Ocean Sciences
Water Properties Group



Last Updated: December 2019

Cruise and Analysis Information		Nisk ID	Nisk Int V S	Sample ID	Flask 1	Draw Temp 1 (°C)	OXY-1 (mL/L)	OXY-1 Comments	Nisk ID	Sample ID	Flask 2	Draw Temp 2 (°C)	OXY-2 (mL/L)	OXY-2 Comments
Cruise Number:	2024-038	1		17	1316	9.0	3.063		1					
Event:	10	2		18	974	9.0	3.085		2					
Station:	JPS1	3		19	2015	9.1	3.212		3					
Event Date (Local):	30-06-24	4		20	3072	10.0	4.293		4					
Analysis Date (Local):	5 JUL 2024	5		21	994	11.0	5.303		5					
Analyst:	MB	6		22A	970	11.5	5.845		6	22B	140	11.5	5.849	
Stdization Date (Local):	4 JUL 2024	7		23	131	11.8	6.149		7					
KIO ₃ N:	0.0118305	8		24	1330	11.9	6.594		8					
Standard Titer:	0.4976	9		25	105	12.1	6.710		9					
Blank Titer:	0.0002	10							10					
THIO N:	0.238204	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					

17	18	19	20	21	22A	22B	23	24	25
OXY	OXY	OXY	OXY	OXY	OXY	OXY	OXY	OXY	OXY
JPS	JPS1	JPS1	JPS1	JPS	JPS	JPS1	JPS1	JPS	JPS1
2024-03	2024-03	2024-03	2024-03	2024-03	2024-03	2024-03	2024-03	2024-03	2024-038
b-5 r	120 m	100 m	70 m	50 m	30 m	30 m	20 m	5 m	0 m
bot	bot 1	bot 3	bot 4	bot	bot	bot 6	bot	bot 8	bot 9

ent. 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:	2024-038	1		26	932	8.7	3.070		1					
Event:	22	2		27	173	8.8	3.76	redraw @ 9.1°C	2					
Station:	JPS7	3		28	1485	9.1	3.586		3					
Event Date (Local):	01-07-24	4		29A	1424	9.5	4.161		4	29B	174	9.5	4.157	
Analysis Date (Local):	5 JUL 2024	5		30	148	10.5	5.246		5					
Analyst:	MB	6		31	101	12.6	6.577		6					
Stdization Date (Local):	4 JUL 2024	7		32	964	13.6	6.731		7					
KIO ₃ N:	0.0118309	8		33	458	14.1	6.611		8					
Standard Titer:	0.4970	9		34	3046	14.1	6.609		9					
Blank Titer:	0.0002	10							10					
THIO N:	0.238205	11							11					
Sample Flask Water Seal?	☒ Yes ☐ No	12							12					
Reagent Change?	MnCl ₂	13							13					
(Please circle reagent that was changed prior to sampling and standardization)	NaI/NaOH	14							14					
NOTE NEW BATCH IN LOG BOOK	H ₂ SO ₄	15							15					
	KIO ₃	16							16					
	THIO	17							17					
Notes:		18							18					
		19							19					
		20							20					
		21							21					
		22		26	27	28	29A	29B	30	31	32	33	34	
		23		OXY	OXY	OXY	OXY	OXY	OXY	OXY	OXY	OXY	OXY	
		24		JPS7	JPS7	JPS7	JPS7	JPS7	JPS7	JPS7	JPS7	JPS7	JPS7	

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

2024-03	2024-03	2024-03	2024-03	2024-038	2024-03	2024-03	2024-03	2024-03	2024-03	2024-03	2024-038
b-5 m	120 m	100 m	70 m	70 m	50 m	30 m	20 m	5 m	0 m		
bot 1	bot 2	bot 3	bot 4	bot 4	bot 5	bot 6	bot 7	bot 8	bot 9		

grity check and explain this in the comments column.

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Cruise and Analysis Information	Nisk ID	Nisk Int V S	Sample ID	Flask 1	Draw Temp 1 (°C)	OXY-1 (mL/L)	OXY-1 Comments	Nisk ID	Sample ID	Flask 2	Draw Temp 2 (°C)	OXY-2 (mL/L)	OXY-2 Comments
Cruise Number: 2024-038	1		5039A	914	12.6	6.474	FORGOT TO INPUT DRAW TEMP.	1	5039B	3134	12.6	6.485	
Event: 39	2							2					
Station: LOOP	3							3					
Event Date (Local): 03-07-24	4							4					
Analysis Date (Local):	5							5					
Analyst: MB	6							6					
Stdization Date (Local): 4 JUL 2024	7							7					
KIO ₃ N: 0.0118309	8							8					
Standard Titer: 0.4976	9							9					
Blank Titer: 0.0002	10							10					
THIO N: 0.238204	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)	15							15					
NOTE NEW BATCH IN LOG BOOK	16							16					
	17							17					
	18							18					
Notes:	19							19					
	20							20					
	21							21					
	22							22					
	23							23					
	24							24					

Moose.xlsx

5039A
OXY
LOOP
2024-038
m
bot 1

5039B
OXY
LOOP
2024-038
m
bot 1

) 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.

55
OXY
HG6
2024-038
B-5 m
bot 1

56
OXY
HG6
2024-038
2700 m
bot 2

57
OXY
HG6
2024-038
2500 m
bot 3

58
OXY
HG6
2024-038
2200 m
bot 4

59A
OXY
HG6
2024-038
1800 m
bot 5

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Cruise and Analysis Information							Nisk ID	Nisk Int V S	Sample ID	Flask 1	Draw Temp 1 (°C)	OXY-1 (mL/L)	OXY-1 Comments	Nisk ID	Sample ID	Flask 2	Draw Temp 2 (°C)	OXY-2 (mL/L)	OXY-2 Comments			
Cruise Number:	2024-038						1			55	1314	4.2	2.275		1							
Event:	36						2			56	3034	4.3	2.210		2							
Station:	HG6						3			57	912	4.3	1.973		3							
Event Date (Local):	02-07-24						4			58	3074	4.4	1.635		4					78 OXY HG6		
Analysis Date (Local):							5			59A	1429	4.7	1.040		5	59B	1487	4.8	1.036			
Analyst:	MB						6			60	3133	5.0	0.487		6					76 OXY HG6		
Stdization Date (Local):	4 JUL 2024						7			61	178	5.4	0.338	Top cap loose	7					76 OXY HG6		
KIO ₃ N:	0.0118309						8			62	981	5.5	0.308		8					77 OXY HG6		
Standard Titer:	0.4970						9			63	1491	5.6	0.282		9					77 OXY HG6		
Blank Titer:	0.0002						10			64	921	5.8	0.279		10					75 OXY HG6		
THIO N:	0.238204						11			65	3116	6.0	0.299		11					75 OXY HG6		
Sample Flask Water Seal?	Yes						12			66	3126	6.4	0.511		12					74 OXY HG6		
	No						13			67	185	7.0	1.164		13					74 OXY HG6		
Reagent Change?	MnCl ₂						14			68	3148	7.4	1.743		14					73 OXY HG6		
(Please circle reagent that was changed prior to sampling and standardization)	NaI/NaOH						15			69A	122	8.1	2.549		15	69B	915	8.3	2.548	72 OXY HG6		
NOTE NEW BATCH IN LOG BOOK	H ₂ SO ₄						16			70	569	8.3	3.223		16							
	KIO ₃						17			71	1425	9.1	3.140		17							
	THIO						18			72	557	8.9	4.776		18							
Notes:							19			73	188	9.1	5.922		19							
							20			74	2043	9.8	6.408		20							
Humming Bird.xlsx							21			75	142	11.6	6.790		21							
							22			76	1489	13.0	6.620		22	66	67	68	69A	69B	70	71
							23			77	902			Bottle didn't close	23	OXY	OXY	OXY	OXY	OXY	OXY	OXY
							24			78	159	13.2	6.479		24	HG6	HG6	HG6	HG6	HG6	HG6	HG6

59B	60	61	62	63	64	65	66	67	68	69A	69B	70	71
OXY	OXY	OXY	OXY	OXY	OXY	OXY	OXY	OXY	OXY	OXY	OXY	OXY	OXY
HG6	HG6	HG6	HG6	HG6	HG6	HG6	HG6	HG6	HG6	HG6	HG6	HG6	HG6
2024-038	2024-038	2024-038	2024-038	2024-038	2024-038	2024-038	2024-038	2024-038	2024-038	2024-038	2024-038	2024-038	2024-038
1800 m	1400 m	1200 m	1100 m	1000 m	900 m	800 m	600 m	400 m	300 m	200 m	200 m	150 m	125 m
bot 5	bot 6	bot 7	bot 8	bot 9	bot 10	bot 11	bot 12	bot 13	bot 14	bot 15	bot 16	bot 17	bot 18

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Cruise Number:	2024-038	1		35	130	5.7	0.289		1					
Event:	26	2		36	923	5.7	0.283		2					
Station:	505A H2	3		37	3032	5.8	0.271		3					
Event Date (Local):	02-07-24	4		38	913	6.0	0.321		4					
Analysis Date (Local):		5		39	126	6.3	0.445		5					
Analyst:	MB	6		40	1402	6.4	0.482		6					
Stdization Date (Local):	45 JUL 2024	7		41	3096	6.8	0.680		7	41	3109	6.9	0.678	drippy on 7
KIO ₃ N:	0.0118308	8		42	154	7.0	1.142		8					
Standard Titer:	0.4970	9		43	154	7.3	1.613		9					
Blank Titer:	0.0062	10		44	129	8.1	2.702		10					
THIO N:	0.238204	11		45	525	8.6	3.827		11					
Sample Flask Water Seal?	Yes	12		46	171	8.6	4.418		12					
	No	13		47	903	9.6	5.536		13					
Reagent Change?	MnCl ₂	14		48	020	9.7	6.126		14					
(Please circle reagent that was changed prior to sampling and standardization)	NaI/NaOH	15		49	1129	10.9	5.821		15					
	H ₂ SO ₄	16		50	114	11.2	6.048		16	50	959	11.3	6.048	
NOTE NEW BATCH IN LOG BOOK	KIO ₃	17		51	109	11.7	6.627		17					
	THIO	18		52	3033	13.4	6.617		18					
Notes:	Mark draw	19		53	152	13.5	6.598		19					
	Julien pickle	20		54	3080	13.5	6.603		20					
		21							21					
		22												

35	36	37	38	39	40	41A	41B	42	43	44	45	46	47	48	49	50A	50B	51	52	53
OXY	OXY	OXY	OXY	OXY	OXY	OXY	OXY	OXY	OXY	OXY	OXY	OXY	OXY	OXY	OXY	OXY	OXY	OXY	OXY	OXY
HG2	HG2	HG2	HG2	HG2	HG2	HG2	HG2	HG2	HG2	HG2	HG2	HG2	HG2	HG2	HG2	HG2	HG2	HG2	HG2	HG2
2024-03	2024-03	2024-03	2024-03	2024-03	2024-03	2024-03	2024-03	2024-03	2024-03	2024-03	2024-03	2024-03	2024-03	2024-03	2024-03	2024-03	2024-03	2024-03	2024-03	2024-03
b-5 m	1000 m	900 m	800 m	700 m	600 m	500 m	500 m	400 m	300 m	200 m	150 m	125 m	100 m	80 m	50 m	30 m	30 m	20 m	10 m	5 m
bot 2	bot 2	bot 3	bot 3	bot 5	bot 6	bot 7	bot 7	bot 8	bot 9	bot 10	bot 11	bot 12	bot 13	bot 14	bot 15	bot 16	bot 17	bot 18	bot 19	bot 20

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Cruise Number:	2024-038	1		100	2098	5.5	0.309		1					
Event:	52	2		101	3114	6.5	0.986		2					
Station:	HG1	3		102	904	6.8	1.322		3					
Event Date (Local):	03-07-24	4	X	103A	973	7.4	1.875		4	103B	196	7.4	1.869	
Analysis Date (Local):	5 JUL 2024	5		104	1346	7.8	2.501		5					
Analyst:	mg	6		105	3005	8.3	3.171		6					
Stdization Date (Local):	4 JUL 2024	7		106	118	8.5	3.612		7					
KIO ₃ N:	0.0118309	8		107A	169	8.8	4.217		8	107B	3050	8.9	4.215	
Standard Titer:	0.4970	9		108	3044	9.0	4.897		9					
Blank Titer:	0.0002	10		109	941	9.8	5.914		10					
THIO N:	0.238204	11		110	111	10.8	6.384		11					
Sample Flask Water Seal?	☒ Yes	12							12					
	No	13		112	953	11.3	6.442	OT	13					
Reagent Change?	MnCl ₂	14							14					
(Please circle reagent that was changed prior to sampling and standardization)	NaI/NaOH	15							15					
NOTE NEW BATCH IN LOG BOOK	H ₂ SO ₄	16							16					
	KIO ₃	17							17					
	THIO	18							18					
Notes:		19							19					
		20							20					
Chicken & Egg.xlsx		21							21					

100	101	102	103A	103B	104	105	106	107A	107B	108	109	110	112
OXY	OXY	OXY	OXY	OXY	OXY	OXY	OXY	OXY	OXY	OXY	OXY	OXY	OXY
HG1	HG1	HG1	HG1	HG1	HG1	HG1	HG1	HG1	HG1	HG1	HG1	HG1	HG1
2024-03	2024-03	2024-03	2024-03	2024-038	2024-03	2024-03	2024-03	2024-03	2024-03	2024-03	2024-03	2024-03	2024-03
b-5 m	500 m	400 m	300 m	300 m	200 m	150 m	125 m	100 m	100 m	80 m	50 m	30 m	5 m
bot 1	bot 2	bot 3	bot 4	bot 4	bot 5	bot 6	bot 7	bot 8	bot 9	bot 10	bot 11	bot 12	bot 13

integrity check and explain this in the comments column.

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Cruise Number:	2024-038	1		79	3206	4.8	0.740		1					
Event:	50	2		80	3178	4.9	0.621		2					
Station:	HG2	3		81	1085	5.0	0.497		3					
Event Date (Local):	03-07-24	4		82	3196	5.3	0.362		4					
Analysis Date (Local):	6 JUL 2024	5		83	3171	5.6	0.356		5					
Analyst:	MB	6		84	3174	5.6	0.344		6					
Stdization Date (Local):	4 JUL 2024	7	XX	85	3038	5.9	0.276		7					
KIO ₃ N:	0.0118309	8		86	3182	6.0	0.279		8					
Standard Titer:	0.0118309	9		87	1440	6.5	0.519		9					
Blank Titer:	0.0002	10		88	3191	6.9	1.107		10					
THIO N:	0.238704	11		89	3190	7.3	1.698		11					
Sample Flask Water Seal?	Yes	12		90A	730	7.5	2.607		12	90B	3188	8.0	2.602	
	No	13		91	3151	8.3	3.565		13					
Reagent Change?	MnCl ₂	14		92	3189	8.7	3.727	OT	14					
(Please circle reagent that was changed prior to sampling and standardization)	NaI/NaOH	15		93	3157	9.0	4.451		15					
	H ₂ SO ₄	16		94	3181	8.9	5.899		16					
NOTE NEW BATCH IN LOG BOOK	KIO ₃	17		95	3184	10.2	6.596		17					
	THIO	18		96A	1428	11.6	6.666		18	96B	3107	11.6	6.668	
Notes:		19							19					
		20		98	3160	12.6	7.023		20					
		21		99	167	12.6	7.022		21					
Trees.xlsx		22							22					

79	80	81	82	83	84	85	86	87	88	89	90A	90B	91	92	93	94	95	96A	96B	98	99
OXY	OXY	OXY	OXY	OXY	OXY	OXY	OXY	OXY	OXY	OXY	OXY	OXY	OXY	OXY	OXY	OXY	OXY	OXY	OXY	OXY	OXY
HG2	HG2	HG2	HG2	HG2	HG2	HG2	HG2	HG2	HG2	HG2	HG2	HG2	HG2	HG2	HG2	HG2	HG2	HG2	HG2	HG2	HG2
2024-038	2024-038	2024-038	2024-038	2024-038	2024-038	2024-038	2024-038	2024-038	2024-038	2024-038	2024-038	2024-038	2024-038	2024-038	2024-038	2024-038	2024-038	2024-038	2024-038	2024-038	2024-038
b-5 m	1800 r	1400	1200	1100	1000 r	900 n	800 n	600 m	400	300 n	200 n	200 r	150	125 m	100 n	80 n	50 m	30 m	30 n	5 m	0 m
bot 1	bot 2	bot	bot	bot	bot	bot 7	bot 8	bot 9	bot	bot 1	bot 1	bot 1	bot	bot 14	bot 1	bot 1	bot 17	bot 18	bot 1	bot 21	bot 21