

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: 2022-067	1	✓	6	1409	7.5	3.104		1					
Event: 17	2							2					
Station: 00UG-45	3							3					
Event Date (Local): 18 July 2022	4							4					
Analysis Date (Local): 05 Aug 2022	5							5					
Analyst: KS	6							6					
Stdization Date (Local): 05 Aug 2022	7						6 OXY	7					
KIO ₃ N: 0.0118990	8						DOUG-45	8					
Standard Titer: 0.49766	9						2022-067	9					
Blank Titer: 0.00050	10						400 m	10					
THIO N: 0.23940	11						bot 2	11					
Sample Flask Water Seal? Yes	12							12					
No	13							13					
Reagent Change? MnCl ₂ 2202	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: Standardization applies to events #17 to 118	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: 2022-067	1							1					
Event: 20	2		8	3057	7.5	3.468		2					
Station: DOUG-26	3							3					
Event Date (Local): 19 July 2022	4							4					
Analysis Date (Local):	5						8	5					
Analyst:	6						OXY	6					
Stdization Date (Local):	7						DOUG-26	7					
KIO ₃ N:	8						2022-067	8					
Standard Titer:	9						340 m	9					
Blank Titer:	10						bot 2	10					
THIO N:	11							11					
Sample Flask Yes	12							12					
Water Seal? No	13							13					
Reagent Change? MnCl ₂	14							14					
(Please circle reagent that was changed prior to sampling and standardization)	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					

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Cruise Number:	2022-067						1								1					
Event:	25						2		10	639	77	3.658		2						
Station:	DOUG-06						3							3						
Event Date (Local):	July 19, 2022						4							4						
Analysis Date (Local):							5							5						
Analyst:							6							6						
Stdization Date (Local):							7							7						
KIO ₃ N:							8							8						
Standard Titer:							9							9						
Blank Titer:							10							10						
THIO N:							11							11						
Sample Flask	Yes						12							12						
Water Seal?	No						13							13						
Reagent Change?	MnCl ₂						14							14						
(Please circle reagent that was changed prior to sampling and standardization)	NaI/NaOH						15							15						
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						

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Cruise Number: 2022-067	1				2.6			1					
Event: 32	2		12	3037	7.6	3.590		2					
Station: De6-19	3							3					
Event Date (Local): Jul 20 2022	4							4					
Analysis Date (Local):	5							5					
Analyst:	6		12					6					
Stdization Date (Local):	7		OXY					7					
KIO ₃ N:	8		44914					8					
Standard Titer:	9		2022-067					9					
Blank Titer:	10		240 m					10					
THIO N:	11		bot 2					11					
Sample Flask	12							12					
Water Seal?	13							13					
Reagent Change?	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					

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Cruise Number: 2022-067	1													1					
Event: 36	2			14	969	7.8	3.746							2					
Station: GC31	3													3					
Event Date (Local): July 20 2022	4													4					
Analysis Date (Local):	5													5					
Analyst:	6													6					
Stdization Date (Local):	7													7					
KIO ₃ N:	8													8					
Standard Titer:	9													9					
Blank Titer:	10													10					
THIO N:	11													11					
Sample Flask Yes	12													12					
Water Seal? No	13													13					
Reagent Change? MnCl ₂	14													14					
(Please circle reagent that was changed prior to sampling and standardization)	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					

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Cruise Number: 2022-069	1							1					
Event: 40 39	2		16	510	8.0	3.047		2					
Station: GC51	3							3					
Event Date (Local): Jul 20 2022	4							4					
Analysis Date (Local):	5							5					
Analyst:	6		16					6					
Stdization Date (Local):	7		OXY					7					
KIO ₃ N:	8		GC51					8					
Standard Titer:	9		2022-067					9					
Blank Titer:	10		450 m					10					
THIO N:	11		bot 2					11					
Sample Flask	12							12					
Water Seal?	13							13					
Reagent Change?	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					

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Cruise Number: 2022-067	1							1					
Event: 42	2	✓	18	1461	8.2	3.477		2					18
Station: GC 68	3							3					OXY
Event Date (Local): July 20 2022	4							4					GC68
Analysis Date (Local):	5							5					2022-067
Analyst:	6							6					200 m
Stdization Date (Local):	7							7					bot 2
KIO ₃ N:	8							8					
Standard Titer:	9							9					
Blank Titer:	10							10					
THIO N:	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					
NaI/NaOH	16							16					
H ₂ SO ₄	17							17					
NOTE NEW BATCH IN LOG BOOK	18							18					
KIO ₃	19							19					
THIO	20							20					
Notes:	21							21					
	22							22					
	23							23					
	24							24					

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Cruise Number: 2022-067	1							1					
Event: 46	2		20	3002	7.9	3.627		2					
Station: VP46D	3							3					
Event Date (Local): July 21 2022	4							4					
Analysis Date (Local):	5						20	5					
Analyst:	6						OXY	6					
Stdization Date (Local):	7						VP46D	7					
KIO ₃ N:	8						2022-067	8					
Standard Titer:	9						200 m	9					
Blank Titer:	10						bot 2	10					
THIO N:	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					
NaI/NaOH	16							16					
H ₂ SO ₄	17							17					
NOTE NEW BATCH IN LOG BOOK	18							18					
KIO ₃	19							19					
THIO	20							20					
Notes:	21							21					
	22							22					
	23							23					
	24							24					

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Cruise Number:	2022-067						1								1					
Event:							2		22A	3137	7.6	3.105		2	22B	951	7.8	3.105		
Station:	UC45						3							3						
Event Date (Local):	July 21 2022						4							4						
Analysis Date (Local):							5							5						
Analyst:							6							6						
Stdization Date (Local):							7							7						
KIO ₃ N:							8							8						
Standard Titer:							9							9						
Blank Titer:							10							10						
THIO N:							11							11						
Sample Flask	Yes						12							12						
Water Seal?	No						13							13						
Reagent Change?	MnCl ₂						14						22A	22B	14					
(Please circle reagent that was changed prior to sampling and standardization)	NaI/NaOH						15						OXY	OXY	15					
NOTE NEW BATCH IN LOG BOOK	H ₂ SO ₄						16						UC45	UC45	16					
	KIO ₃						17						2022-067	2022-067	17					
	THIO						18						350 m	350 m	18					
							19						bot 2	bot 2	19					
Notes:							20													
							21													
							22													
							23													
							24													

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Cruise Number: 2022-067		1							1					
Event: 59		2		24A	3081	7.6	3.051		2	24B	020	7.5	3.050	
Station: MKY		3							3					
Event Date (Local): July 21 2022		4		24A		24B			4					
Analysis Date (Local):		5		OXY		OXY			5					
Analyst:		6		MKY1		MKY1			6					
Stdization Date (Local):		7		2022-067		2022-067			7					
KIO ₃ N:		8		450 m		450 m			8					
Standard Titer:		9		bot 2		bot 2			9					
Blank Titer:		10							10					
THIO N:		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					
NaI/NaOH		16							16					
H ₂ SO ₄		17							17					
NOTE NEW BATCH IN LOG BOOK		18							18					
KIO ₃		19							19					
THIO		20							20					
Notes:		21							21					
		22							22					
		23							23					
		24							24					

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Cruise Number: 2022-067							1								1					
Event: 62							2		26A	569	7.6	3.027			2	26B	673	7.4	3.034	
Station: SQL 1							3								3					
Event Date (Local): July 22 2022							4								4					
Analysis Date (Local):							5								5					
Analyst:							6								6					
Stdization Date (Local):							7								7					
KIO ₃ N:							8								8					
Standard Titer:							9								9					
Blank Titer:							10								10					
THIO N:							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					
NaI/NaOH							16								16					
H ₂ SO ₄							17								17					
NOTE NEW BATCH IN LOG BOOK							18								18					
KIO ₃							19								19					
THIO							20								20					
Notes:							21								21					
							22								22					
							23								23					
							24								24					

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Cruise Number:	2022-067	1							1					
Event:	67	2		28	3120	7.6	3.026		2					
Station:	SC 64	3							3					
Event Date (Local):	Jul 22, 2022	4							4					
Analysis Date (Local):		5							5					
Analyst:		6		28					6					
Stdization Date (Local):		7		OXY					7					
KIO ₃ N:		8		SC64					8					
Standard Titer:		9		2022-067					9					
Blank Titer:		10		450 m					10					
THIO N:		11		bot 2					11					
Sample Flask	Yes	12							12					
Water Seal?	No	13							13					
Reagent Change?	MnCl ₂	14							14					
(Please circle reagent that was changed prior to sampling and standardization)	NaI/NaOH	15							15					
	H ₂ SO ₄	16							16					
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					

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Cruise Number: 2022-067	1							1					
Event: 75	2		30	3134	7.5	3.083	30	2					
Station: SC 58	3						OXY	3					
Event Date (Local): Jul 22 2022	4						SC58	4					
Analysis Date (Local):	5						2022-067	5					
Analyst:	6						450 m	6					
Stdization Date (Local):	7						bot 2	7					
KIO ₃ N:	8							8					
Standard Titer:	9							9					
Blank Titer:	10							10					
THIO N:	11							11					
Sample Flask Yes	12							12					
Water Seal? No	13							13					
Reagent Change? MnCl ₂	14							14					
(Please circle reagent that was changed prior to sampling and standardization)	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					

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Cruise Number: 2022-067							1		32					1					
Event: 76							2		32	3104	7.5	3.188		2					
Station: FR63							3							3					
Event Date (Local): 23 July 2022							4							4					
Analysis Date (Local):							5							5					
Analyst:							6							6					
Stdization Date (Local):							7							7					
KIO ₃ N:							8							8					
Standard Titer:							9							9					
Blank Titer:							10							10					
THIO N:							11							11					
Sample Flask Yes							12							12					
Water Seal? No							13							13					
Reagent Change? MnCl ₂							14							14					
(Please circle reagent that was changed prior to sampling and standardization)							15							15					
NaI/NaOH							16							16					
H ₂ SO ₄							17							17					
NOTE NEW BATCH IN LOG BOOK							18							18					
KIO ₃							19							19					
THIO							20							20					
Notes:							21							21					
							22							22					
							23							23					
							24							24					

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Cruise Number: 2022-067	1							1					
Event: 80	2		34A	575	7.8	3.464		2	34B	396	7.9	3.465	
Station: GR1	3						34A	3					
Event Date (Local): Jul 23 2022	4						OXY	4					
Analysis Date (Local):	5						GR1	5					
Analyst:	6						2022-067	6					
Stdization Date (Local):	7						350 m	7					
KIO ₃ N:	8						bot 2	8					
Standard Titer:	9							9					
Blank Titer:	10							10					
THIO N:	11							11					
Sample Flask	12	Yes						12					
Water Seal?	13	No						13					
Reagent Change?	14	MnCl ₂						14					
(Please circle reagent that was changed prior to sampling and standardization)	15	NaI/NaOH						15					
NOTE NEW BATCH IN LOG BOOK	16	H ₂ SO ₄						16					
	17	KIO ₃						17					
	18	THIO						18					
Notes:	19							19					
	20							20					
	21							21					
	22							22					
	23							23					
	24							24					

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Cruise Number: 2022-067	1							1					
Event: 85	2	✓	36	1402	7.3	1.878		2					
Station: FC01	3						36	3					
Event Date (Local): Jul 23 2022	4						OXY	4					
Analysis Date (Local):	5						FC01	5					
Analyst:	6						2022-067	6					
Stdization Date (Local):	7						500 m	7					
KIO ₃ N:	8						bot 2	8					
Standard Titer:	9							9					
Blank Titer:	10							10					
THIO N:	11							11					
Sample Flask Yes	12							12					
Water Seal? No	13							13					
Reagent Change? MnCl ₂	14							14					
(Please circle reagent that was changed prior to sampling and standardization)	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					

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: 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: 2022-067	1							1					
Event: 87	2		38	952	7.1	1.891		2					
Station: FC03	3							3					
Event Date (Local): Jul 23 2022	4							4					
Analysis Date (Local):	5							5					
Analyst:	6							6					
Stdization Date (Local):	7							7					
KIO ₃ N:	8						38	8					
Standard Titer:	9						OXY	9					
Blank Titer:	10						FC03	10					
THIO N:	11						2022-067	11					
Sample Flask	12						300 m	12					
Water Seal?	13						bot 2	13					
Reagent Change?	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					

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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: 2022-067	1							1					
Event: 90	2		40	2092	7.1	1.870		2					
Station: MIL03	3						40	3					
Event Date (Local): 24/07/22	4						OXY	4					
Analysis Date (Local):	5						MIL03	5					
Analyst:	6						2022-067	6					
Stdization Date (Local):	7						220 m	7					
KIO ₃ N:	8						bot 2	8					
Standard Titer:	9							9					
Blank Titer:	10							10					
THIO N:	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					
NaI/NaOH	16							16					
H ₂ SO ₄	17							17					
NOTE NEW BATCH IN LOG BOOK	18							18					
KIO ₃	19							19					
THIO	20							20					
Notes:	21							21					
	22							22					
	23							23					
	24							24					

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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: 2022-067	1									1					
Event: 95	2		42A	962	7.3	2.256	42A	42B		2	42B	3173	7.1	2.256	
Station: MS02	3						OXY	OXY		3					
Event Date (Local): July 4/2022	4						MS02	MS02		4					
Analysis Date (Local):	5						2022-067	2022-067		5					
Analyst:	6						150 m	150 m		6					
Stdization Date (Local):	7						bot 2	bot 2		7					
KIO ₃ N:	8									8					
Standard Titer:	9									9					
Blank Titer:	10									10					
THIO N:	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					
NaI/NaOH	16									16					
H ₂ SO ₄	17									17					
NOTE NEW BATCH IN LOG BOOK	18									18					
KIO ₃	19									19					
THIO	20									20					
Notes:	21									21					
	22									22					
	23									23					
	24									24					

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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: 2022-067							1							1					
Event: 101							2	X	44A	3007	7.1	1.680		2	44B	1378	7.1	1.683	Failed integrity test, Lower end cap was leaky
Station: CS09							3							3					
Event Date (Local): Jul 25 2022							4							4					
Analysis Date (Local):							5							5					
Analyst:							6							6					
Stdization Date (Local):							7							7					
KIO ₃ N:							8							8					
Standard Titer:							9							9					
Blank Titer:							10		44A		44B			10					
THIO N:							11		OXY		OXY			11					
Sample Flask Yes							12		CS09		CS09			12					
Water Seal? No							13		2022-067		2022-067			13					
Reagent Change? MnCl ₂							14		120 m		120 m			14					
(Please circle reagent that was changed prior to sampling and standardization)							15		bot 2		bot 2			15					
NaI/NaOH							16							16					
H ₂ SO ₄							17							17					
NOTE NEW BATCH IN LOG BOOK							18							18					
KIO ₃							19							19					
THIO							20							20					
Notes:							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: 2022-067	1		46	966	7.3	1.863		1					
Event: 107	2	XX	46	966				2					Failed integrity - lower end cap.
Station: LBA-2	3							3					use bottle 1 instead
Event Date (Local): 25/07/2022	4							4					
Analysis Date (Local):	5							5					
Analyst:	6							6					
Stdization Date (Local):	7							7					
KIO ₃ N:	8							8					
Standard Titer:	9							9					
Blank Titer:	10							10					
THIO N:	11							11					
Sample Flask Yes	12							12					
Water Seal? No	13							13					
Reagent Change? MnCl ₂	14							14					
(Please circle reagent that was changed prior to sampling and standardization)	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					

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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:	2022-067						1		4848	3076	7.8	2.224		1	4848	2066	7.8	2.228	
Event:	III						2							2					
Station:	QCS4						3							3					
Event Date (Local):	27 July 2022						4							4					
Analysis Date (Local):							5							5					
Analyst:							6							6					
Stdization Date (Local):							7							7					
KIO ₃ N:							8							8					
Standard Titer:							9							9					
Blank Titer:							10							10					
THIO N:							11							11					
Sample Flask	Yes						12							12					
Water Seal?	No						13							13					
Reagent Change?	MnCl ₂						14							14					
(Please circle reagent that was changed prior to sampling and standardization)	NaI/NaOH						15							15					
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					

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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: 2022-067	1		50					1					
Event: 118	2	✓	50	3099	7.3	1.847		2					
Station: GOC8	3							3					
Event Date (Local): 27 July 2022	4							4					
Analysis Date (Local):	5							5					
Analyst:	6							6					
Stdization Date (Local):	7							7					
KIO ₃ N:	8							8					
Standard Titer:	9							9					
Blank Titer:	10							10					
THIO N:	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					
NaI/NaOH	16							16					
H ₂ SO ₄	17							17					
NOTE NEW BATCH IN LOG BOOK	18							18					
KIO ₃	19							19					
THIO	20							20					
Notes:	21							21					
	22							22					
	23							23					
	24							24					

50
OXY
GOC8
2022-067
350 m
bot 2

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: 2022-067	1		52	131	7.6	2.190		1					
Event: 119	2							2					
Station: QCS10	3							3					
Event Date (Local): 27 July 2022	4							4					
Analysis Date (Local): 05 Aug 2022	5							5					
Analyst: KS	6							6					
Stdization Date (Local): 05 Aug 2022	7							7					
KIO ₃ N: 0.0118996	8							8					
Standard Titer: 0.49766	9							9					
Blank Titer: 0.00080	10							10					
THIO N: 0.23940	11			52				11					
Sample Flask Water Seal? <input checked="" type="radio"/> Yes	12			OXY				12					
<input type="radio"/> No	13			QCS10				13					
Reagent Change? MnCl ₂	14			2022-067				14					
(Please circle reagent that was changed prior to sampling and standardization)	15			350 m				15					
NOTE NEW BATCH IN LOG BOOK	16			bot 2				16					
	17							17					
	18							18					
Notes: Standardization applies to events #119 to 208	19							19					
	20							20					
	21							21					
	22							22					
	23							23					
	24							24					

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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:	2022-067	1		54	132	8.1	2.716	- 1st attempt aborted. Titrated in air.							1					
Event:	129	2													2					
Station:	QC555	3													3					
Event Date (Local):	28 July 2022	4													4					
Analysis Date (Local):		5													5					
Analyst:		6													6					
Standardization Date (Local):		7													7					
KIO ₃ N:		8													8					
Standard Titer:		9													9					
Blank Titer:		10													10					
THIO N:		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					

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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:	2022-067						1			56	133	7.8	7.375		1					
Event:	133						2								2					
Station:	QCS3						3								3					
Event Date (Local):	28 July 2022						4								4					
Analysis Date (Local):							5								5					
Analyst:							6								6					
Stdization Date (Local):							7								7					
KIO ₃ N:							8								8					
Standard Titer:							9								9					
Blank Titer:							10								10					
THIO N:							11								11					
Sample Flask	Yes						12								12					
Water Seal?	No						13								13					
Reagent Change?	MnCl ₂						14								14					
(Please circle reagent that was changed prior to sampling and standardization)	NaI/NaOH						15								15					
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					

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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: 2022-067							1								1					
Event: 143							2		58A	134	7.2	1.844		2	58B	135	7.1	1.843		
Station: LBA-2							3		59	136	7.2	1.983		3						
Event Date (Local): July 28/2022							4		60	137	7.5	2.326		4						
Analysis Date (Local):							5		61	138	7.7	2.657		5						
Analyst:							6		62	139	8.0	3.709	58A	58B	59	60	61	62	63	
Stdization Date (Local):							7		63	140	8.8	4.527	OXY	OXY	OXY	OXY	OXY	OXY	OXY	
KIO ₃ N:							8						LBA-2	LBA-2	LBA-2	LBA-2	LBA-2	LBA-2	LBA-2	
Standard Titer:							9						2022-067	2022-067	2022-067	2022-067	2022-067	2022-067	2022-067	
Blank Titer:							10						350 m	350 m	250 m	150 m	100 m	50 m	20 m	
THIO N:							11						bot 2	bot 2	bot 3	bot 4	bot 5	bot 6	bot 7	
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					
NaI/NaOH							16								16					
H ₂ SO ₄							17								17					
NOTE NEW BATCH IN LOG BOOK							18								18					
KIO ₃							19								19					
THIO							20								20					
Notes:							21								21					
							22								22					
							23								23					
							24								24					

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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: 2022-067	1		65	141	7.6	2.285	Leaky bottom niskin cap/maybe vent	1					
Event: 148	2							2					
Station: QUA0a	3							3					
Event Date (Local): 29 July 2022	4							4					
Analysis Date (Local):	5							5					
Analyst:	6							6					
Stdization Date (Local):	7							7					
KIO ₃ N:	8							8					
Standard Titer:	9							9					
Blank Titer:	10							10					
THIO N:	11							11					
Sample Flask Yes	12							12					
Water Seal? No	13							13					
Reagent Change? MnCl ₂	14							14					
(Please circle reagent that was changed prior to sampling and standardization)	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					

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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: 2022-067	1							1					
Event:	2	✓	67	142	8.1	2.603		2					
Station: QUA1b	3							3					
Event Date (Local):	4							4					
Analysis Date (Local):	5				67			5					
Analyst:	6				OXY			6					
Stdization Date (Local):	7				QUA1b			7					
KIO ₃ N:	8				2022-067			8					
Standard Titer:	9				180 m			9					
Blank Titer:	10				bot 2			10					
THIO N:	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					
NaI/NaOH	16							16					
H ₂ SO ₄	17							17					
NOTE NEW BATCH IN LOG BOOK	18							18					
KIO ₃	19							19					
THIO	20							20					
Notes:	21							21					
	22							22					
	23							23					
	24							24					

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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: 2022-067							1								1					
Event: 160							2		69A	143	8.3	2.509			2	69B	144	8.3	2.500	
Station: QUA 7							3								3					
Event Date (Local): July 29 2022							4								4					
Analysis Date (Local):							5								5					
Analyst:							6								6			69A		69B
Stdization Date (Local):							7								7			OXY		OXY
KIO ₃ N:							8								8			QUA7		QUA7
Standard Titer:							9								9			2022-067		2022-067
Blank Titer:							10								10			100 m		100 m
THIO N:							11								11			bot 2		bot 2
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					
NaI/NaOH							16								16					
H ₂ SO ₄							17								17					
NOTE NEW BATCH IN LOG BOOK							18								18					
KIO ₃							19								19					
THIO							20								20					
Notes:							21								21					
							22								22					
							23								23					
							24								24					

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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: 2022-067	1							1					
Event: 167	2		71	145	10.8	4.411		2					
Station: HOL1	3							3					
Event Date (Local): July 29 2022	4							4					
Analysis Date (Local):	5							5					
Analyst:	6							6		71			
Stdization Date (Local):	7							7		OXY			
KIO ₃ N:	8							8		HOL1			
Standard Titer:	9							9		2022-067			
Blank Titer:	10							10		100 m			
THIO N:	11							11		bot 2			
Sample Flask Yes	12							12					
Water Seal? No	13							13					
Reagent Change? MnCl ₂	14							14					
(Please circle reagent that was changed prior to sampling and standardization)	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					

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:	2022-067	1							1					
Event:	172	2		73	146	10.7	4.003		2					
Station:	HOL4	3							3					
Event Date (Local):	29 July 2022	4							4					
Analysis Date (Local):		5							5					
Analyst:		6							6					
Stdization Date (Local):		7							7					
KIO ₃ N:		8							8					
Standard Titer:		9							9					
Blank Titer:		10							10					
THIO N:		11							11					
Sample Flask	Yes	12							12					
Water Seal?	No	13							13					
Reagent Change?	MnCl ₂	14						73	14					
(Please circle reagent that was changed prior to sampling and standardization)	NaI/NaOH	15						OXY	15					
NOTE NEW BATCH IN LOG BOOK	H ₂ SO ₄	16						HOL4	16					
	KIO ₃	17						2022-067	17					
	THIO	18						30 m	18					
		19						bot 2	19					
Notes:		20							20					
		21							21					
		22							22					
		23							23					
		24							24					

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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: 2022-067	1							1					
Event: 178	2		75	147	8.4	7.298		2					
Station: NE5a	3							3					
Event Date (Local): July 30/22	4							4					
Analysis Date (Local):	5							5					
Analyst:	6							6					
Stdization Date (Local):	7							7					
KIO ₃ N:	8							8					
Standard Titer:	9							9					
Blank Titer:	10							10					
THIO N:	11							11					
Sample Flask Water Seal? Yes	12							12					
No	13							13					
Reagent Change? MnCl ₂	14		75					14					
(Please circle reagent that was changed prior to sampling and standardization)	15		OXY					15					
NOTE NEW BATCH IN LOG BOOK	16		NE5A					16					
	17		2022-067					17					
	18		150 m					18					
	19		bot 2					19					
Notes:	20							20					
	21							21					
	22							22					
	23							23					
	24							24					

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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: 2022-067	1							1					
Event: 184	2		77	148	8.8	1.626		2					77
Station: NE1	3							3					OXY
Event Date (Local): July 30 2022	4							4					NE1
Analysis Date (Local):	5							5					2022-067
Analyst:	6							6					30 m
Stdization Date (Local):	7							7					bot 2
KIO ₃ N:	8							8					
Standard Titer:	9							9					
Blank Titer:	10							10					
THIO N:	11							11					
Sample Flask Yes	12							12					
Water Seal? No	13							13					
Reagent Change? MnCl ₂	14							14					
(Please circle reagent that was changed prior to sampling and standardization)	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					

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: 2022-067		1							1					
Event: 187		2		79	149	9.0	1.849	79	2					
Station: NS00		3						OXY	3					
Event Date (Local): July 31 2022		4						NS00	4					
Analysis Date (Local):		5						2022-067	5					
Analyst:		6						50 m	6					
Stdization Date (Local):		7						bot 2	7					
KIO ₃ N:		8							8					
Standard Titer:		9							9					
Blank Titer:		10							10					
THIO N:		11							11					
Sample Flask	Yes	12							12					
Water Seal?	No	13							13					
Reagent Change?	MnCl ₂	14							14					
(Please circle reagent that was changed prior to sampling and standardization)	NaI/NaOH	15							15					
	H ₂ SO ₄	16							16					
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					

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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: 2022-067		1							1					
Event: 193		2		81	150	8.8	1.433		2					
Station: NS05		3							3					
Event Date (Local):		4							4					
Analysis Date (Local):		5							5					
Analyst:		6						81	6					
Stdization Date (Local):		7						OXY	7					
KIO ₃ N:		8						NS05	8					
Standard Titer:		9						2022-067	9					
Blank Titer:		10						200 m	10					
THIO N:		11						bot 2	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					

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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: 2022-067		1							1					
Event: 203		2	X	83A	151	8.8	0.048		2	83B	152	3.0	0.043	
Station: Mul3		3	✓						3					
Event Date (Local): July 31 2022		4							4					
Analysis Date (Local):		5							5					
Analyst:		6						83A	6					
Stdization Date (Local):		7						OXY	7					
KIO ₃ N:		8						Mul3	8					
Standard Titer:		9						2022-067	9					
Blank Titer:		10						250 m	10					
THIO N:		11						bot 2	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					
Bottle #2 failed integrity check.		20							20					
Sample drawn from bottle #3		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:	2022-067	1							1					
Event:	206	2		85A	153	8.8	0.043	3 - Niskin	2	85B	154	8.8	0.043	3
Station:	MUI1	3		86	155	8.8	0.040	4	3					
Event Date (Local):	31 July 2022	4		87	156	8.9	0.046	5	4					
Analysis Date (Local):		5		88	157	8.9	0.053	6	5					
Analyst:		6		89	158	9.1	0.150	7	6					
Stdization Date (Local):		7		90	159	9.2	1.091	8 - E.P. late. Sample over-filled	7					
KIO ₃ N:		8		91	160			Flask 160. Not a sample. Can	8					
Standard Titer:		9						be dumped.	9					
Blank Titer:		10		91	161	9.7	1.151	10	10					
THIO N:		11		92	162	11.2	3.743	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		85A		85B		86	87	88	89	90	91	92
NOTE NEW BATCH IN LOG BOOK	H ₂ SO ₄	16		OXY		OXY		OXY	OXY	OXY	OXY	OXY	OXY	OXY
	KIO ₃	17		Mul1		Mul1		Mul1	Mul1	Mul1	Mul1	Mul1	Mul1	Mul1
	THIO	18		2022-067		2022-067		2022-067	2022-067	2022-067	2022-067	2022-067	2022-067	2022-067
		19		300 m		300 m		250 m	200 m	150 m	100 m	50 m	20 m	
Notes:		20		bot 23		bot 23		bot 24	bot 25	bot 26	bot 27	bot 28	bot 29	bot 30
		21												
		22												
		23												
		24												

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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: 2022-067	1													1						
Event: 208	2	✓		94A	163	8.8	1.382							2	346	164	8.9	1.382		
Station: NS03	3													3						
Event Date (Local): July 31 2022	4													4						
Analysis Date (Local):	5													5						
Analyst:	6													6						
Stdization Date (Local):	7													7						
KIO ₃ N:	8													8						
Standard Titer:	9													9						
Blank Titer:	10													10						
THIO N:	11													11						
Sample Flask Water Seal? Yes	12													12						
	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						

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