

2024 Arctic Collaborative Ecosystem Cruise SKQ202412S

2024 Arctic Collaborative Ecosystem Cruise SKQ202412SS

2024 Arctic Collaborative Ecosystem Cruise SKQ202412S

2024 Arctic Collaborative Ecosystem Cruise SKQ202412S



2024 Arctic Collaborative Ecosystem Cruise SKQ202412S

2024 Arctic Collaborative Ecosystem Cruise SKQ202412S

# 2024 Arctic Collaborative Ecosystem Cruise SKQ202412S

Cruise SKQ202412 S	CAST TIME/DATE LOCAL				Seafloor Depth (m)	Latitude Degree Minute	Longitude Degree Minute	Operator: SO Comments:
	Year 2024	Month 8	Day 9	Hour 6				
Ship R/V Sikuliaq	CAST TIME/DATE GMT				Consecutive Station Number	Station Name	Comments:	
	Year 2024	Month 8	Day 9	Hour 14				
Niskin Bottle #	Target Trip Depth (m)	Actual Trip Pressure (dbar)	DO	DIC	NOAA Nuts	UMCES Chla	UMCES Chla	PhyloP DOC Presv. 1 PhyloP Presv. 2 AMBON eDNA NOAA eDNA <sup>18</sup> O/ <sup>16</sup> O d <sup>15</sup> N Bottom Water Salt Absorp -ion
1								
2								
3								
4								
5								
6								
7								
8								
9								
10								
11								
12								
13								
14								
15								
16								
17								
18								
19								
20								
21								
22								
23								
24								

List sample number or use a checkmark to indicate sample taken.

Notes

1      2      3      4      5      6      7      8      9      10      11      12      13      14      15      16      17      18      19      20      21      22      23      24

Secondary

T/c probably ok

2024 Arctic Collaborative Ecosystem Cruise SKQ202412S

# 2024 Arctic Collaborative Ecosystem Cruise SKQ202412S

Bottle #	Cruise	CAST TIME DATE LOCAL					Seafloor Depth (m)	Latitude Degree	Longitude Degree	Operator: SD Comments:								
		Year	Month	Day	Hour	Minute												
	SKQ202412S	2024	8	10	6	46	36	63	59.217	168 3.113								
Ship	R/V Sikuliaq	Year	Month	Day	Hour	Minute	Consecutive Station Number	Station Name	Deployment of m14									
Target Trip Depth (m)	Actual Trip Pressure (dbar)	DO	DIC TA	NOAA Nuts & Chl	UNM CES NOAA Chl a	Chla SF	HABS	DOC	Phytop Presv. 1	Phytop Presv. 2	AMBON eDNA	NOAA edNA	$\delta^{18}\text{O}/\delta^{16}\text{O}$	d13C	Bottom Water	Salt d15N	Absorp 4-ton	Notes
1																		
2																		
3																		
4																		
5																		
6																		
7																		
8																		
9																		
10																		
11																		
12																		
13																		
14																		
15																		
16																		
17																		
18																		
19																		
20																		
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23																		
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List sample number or use a checkmark to indicate sample taken.

2024 Arctic Collaborative Ecosystem Cruise SKQ202412S

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2024 Arctic Collaborative Ecosystem Cruise SKQ202412S

2024 Arctic Collaborative Ecosystem Cruise SKQ202412SS

2024 Arctic Collaborative Ecosystem Cruise SKQ202412S

# 2024 Arctic Collaborative Ecosystem Cruise SKQ202412S

Cruise SKQ202412S	CAST TIME/DATE LOCAL						Seafloor Depth (m)	Latitude Degree Minute	Longitude Degree Minute	Operator: SS Comments:									
	Year 2024	Month 8	Day 11	Hour 22	Minute 10														
	CAST TIME/DATE GMT																		
Ship R/V Sikuliaq	Year 2024	Month 8	Day 12	Hour 06	Minute 10	Consecutive Station Number		Station Name											
Niskin Bottle #	Target Trip Depth (m)	Actual Trip Pressure (dbar)	DO DO	DIC TA	NOAA Nuts & Chl	UMCES Nuts & Chl	NOAA Chla	HABS	DOC	PhytoP Presv. 1	PhytoP Presv. 2	AMBON	NOAA eDNA	$^{18}\text{O}/^{16}\text{O}$	d13C d15N	Bottom Water	Salt	Absorp tion	Notes
1	13	41.4	366	X						X	X								
2	13	41.2																	
3	30	30.4																	
4	30	30.4																	
5	20	20.5																	
6	20	20.5																	
7	CHL	19.3																	
8	CHL	19.2																	
9	10	10.4																	
10	10	10.4																	
11	0	2.3																	
12	0	2.4																	
13																			
14																			
15																			
16																			
17																			
18																			
19																			
20																			
21																			
22																			
23																			
24																			

List sample number or use a checkmark to indicate sample taken.

*20 probably a  
better CHL Max*

2024 Arctic Collaborative Ecosystem Cruise SKQ202412SS

# 2024 Arctic Collaborative Ecosystem Cruise SKQ202412S

Bottle #	Cruise		CAST TIME/DATE LOCAL					Seafloor Depth (m)	Latitude Degree	Longitude Minute	Operator: Comments:								
	Year	Month	Day	Hour	Minute														
	SKQ202412S	2024	8	12	21	57	50	67	40,587	168	56,557								
Ship	CAST TIME/DATE GMT					Consecutive Station Number	Station Name												
R/V Sikuliaq	Year	Month	Day	Hour	Minute		D103.8												
Target Trip Depth (m)	Actual Trip Pressure (dbar)		DO	DIC TA	NOAA Nuts	UMCES Chl a	NOAA Chla SF	HABs	DOC	Phytop Presv. 1	Phytop Presv. 2	AMBON eDNA	NOAA eDNA	$^{18}\text{O}/^{16}\text{O}$	d13C	Bottom Water	Salt	Absorp	Notes
Niskin																			
1	B	45.8								X		X	X	X					
2	B	45.9																	
3	B	45.6																	
4	D	40.5																	
5	D	40.6																	
6	D	30.8																	
7	D	30.9																	
8	D	31.1																	
9	D	20.5																	
10	D	20.5																	
11	C <sub>HL</sub>	10.1																	
12	C <sub>HL</sub>	10.1																	
13	D	10.2																	
14	D	10.0																	
15	D																		
16	D																		
17																			
18																			
19																			
20																			
21																			
22																			
23																			
24																			

List sample number or use a checkmark to indicate sample taken.

*DIC Triplicate*

*SS*

2024 Arctic Collaborative Ecosystem Cruise SKQ202412S

# 2024 Arctic Collaborative Ecosystem Cruise SKQ202412S

Niskin Bottle #	Cruise		CAST TIME DATE LOCAL			Seafloor Depth (m)	Latitude Degree	Longitude Degree	Operator: SD Comments:	
	Year	Month	Day	Hour	Minute					
	SKQ202412S	2024	8	13	5					
R/V Sikuliaq	Year Month Day		Hour Minute		Consecutive Station Number		Station Name			
	2024	8	13	13	35	031	DBO 3.6			
	Target Trip Depth (m)		Actual Trip Pressure (dbar)		DO	DIC TA	NOAA Nuts	UMCES Chl a	Phytop	
									Presv. 1	
1	B	33.0		X					X	
2	3	33.6		X	( <sup>10</sup> )					
3	40	40.6		X						
4	40	40.6		X	( <sup>10</sup> )					
5	30	30.7		X	( <sup>10</sup> )					
6	30	30.5		X	( <sup>10</sup> )					
7	20	19.3		X	( <sup>10</sup> )					
8	20	20.6		X	( <sup>10</sup> )					
9	CHL	19.7		X						
10	CHL	20.1		X						
11	10	10.2		X	( <sup>10</sup> )					
12	10	10.4		X	( <sup>10</sup> )					
13	0	2.5		X	( <sup>10</sup> )					
14	0	2.5		X	( <sup>10</sup> )					
15										
16										
17										
18										
19										
20										
21										
22										
23										
24										

List sample number or use a checkmark to indicate sample taken.

Notes

# 2024 Arctic Collaborative Ecosystem Cruise SKQ202412S

Niskin Bottle #	Cruise	CAST TIME DATE LOCAL					Seafloor Depth (m)	Latitude Degree	Longitude Degree	Operator: Comments:
	SKQ202412S	Year 2024	Month 8	Day 13	Hour 10	Minute 02	59	67	54.56	168
	Ship	CAST TIME DATE GMT					Consecutive Station Number	Station Name		
R/V Sikuliaq	2024	8	13	16	02	032	C12			
Target Trip Depth (m)	Actual Trip Pressure (dbar)	DO	DIC TA	NOAA Nuts & Chl	UMCES Chla SF	HABS	DOC	PhytoP Presv. 1	PhytoP Presv. 2	AMBON eDNA
1	13	53.0	363	107	X	X				NOAA d13C
2	40	40.8		108	X	X				18O/fO
3	30	30.6		109	X	X				d15N
4	21	21.0			X	X				Bottom Water
5	80	20.1		110	X	X				Salt
6	10	10.5		111	X	X				Absorption
7	0	3.7		112	X	X				
8										
9										
10										
11										
12										
13										
14										
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16										
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21										
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24										

List sample number or use a checkmark to indicate sample taken.

Notes

2024 Arctic Collaborative Ecosystem Cruise SKQ202412S

2024 Arctic Collaborative Ecosystem Cruise SKQ202412S

# 2024 Arctic Collaborative Ecosystem Cruise SKQ202412S

Niskin Bottle #	Cruise	CAST TIME DATE LOCAL					Seafloor Depth (m)	Latitude	Longitude	Operator:
	Year	Month	Day	Hour	Minute	Degree	Minute	Degree	Minute	Comments:
	Ship	CAST TIME DATE GMT					Consecutive Station Number	Station Name		
R/V Sikuliaq	2024	8	13	20	27	48	68	11,123	167	18.047
List sample number or use a checkmark to indicate sample taken.										
Target Trip Depth (m)	Actual Trip Pressure (dbar)	DO	DIC TA	NOAA Nuts & Chl	UNM CES NOAA Chl a	HABS	DOC	Phytop Presv. 1	Phytop Presv. 2	AMBON edDNA
1 Bott	43.6			X				X		X
2 Bott	43.1			X	125					
3 40	40.1			X						
4 40	40.2			X	126			X		
5 30	30.5			X						
6 30	30.7			X	127			X		
7 20	21.1			X				X		
8 20	20.9			X	128			X		
9 15	15.1			X				X		
10 15	15.2									
11 10	10.5			X				X		
12 10	10.6			X	129			X		
13 Surf	3.3			X				X		
14 Surf	3.6			X	130			X		
15				X				X		
16				X				X		
17										
18										
19										
20										
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22										
23										
24										

End(UTC) - 04:43

# 2024 Arctic Collaborative Ecosystem Cruise SKQ202412S

Bottle #	Cruise SKQ202412S	CAST TIME/DATE LOCAL						Seafloor Depth (m)	Latitude Degree Minute	Longitude Degree Minute	Operator: Comments:							
		Year 2024	Month 8	Day 13	Hour 22	Minute 35												
		CAST TIME/DATE GMT					Consecutive Station Number 036											
Ship R/V Sikuliaq	Year 2024	Month 8	Day 14	Hour 06	Minute 35													
List sample number or use a checkmark to indicate sample taken.																		
Target Trip Depth (m)	Actual Trip Pressure (dbar)	DO	DIC TA	NOAA Nuts & Chl a	UNICES Nuts & Chl a	NOAA Chla SF	HABS	DOC	Phytop Presv. 1	Phytop Presv. 2	AMBON eDNA	NOAA edNA	$^{18}\text{O}/^{16}\text{O}$	d13C	Bottom Water	Salt	Absorp	Notes
1	B	38.6	288	X	X	X	X	X	X	X								
2	33	38.4		X	X	X	X											
3	30	30.9		X	X	X	X											
4	30	30.9		X	X	X	X											
5	20	20.9		X	X	X	X											
6	20	20.3		X	X	X	X											
7	CHL	15.8																
8	CHL	15.7																
9	10	9.7		X	X	X	X											
10	10	9.9		X	X	X	X											
11	0	2.7		X	X	X	X											
12	0	3.0		X	X	X	X											
13																		
14																		
15																		
16																		
17																		
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19																		
20																		
21																		
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23																		
24																		

*End : 06:55 UTC*

*Bottle leaking*

2024 Arctic Collaborative Ecosystem Cruise SKQ202412SS

# 2024 Arctic Collaborative Ecosystem Cruise SKQ202412S

Bottle #	Cruise		CAST TIME DATE LOCAL				Seafloor Depth (m)		Latitude		Longitude		Operator: <i>DG</i> Comments:					
	Year	Month	Day	Hour	Minute	Degree	Minute	Degree	Minute	Degree	Minute	Degree						
	Ship		CAST TIME DATE GMT				Consecutive Station Number		Station Name									
R/V Sikuliaq	2024	8	15	05	33	39	20	34,815	162	29,183								
List sample number or use a checkmark to indicate sample taken.																		
Niskin	Target Trip Depth (m)	Actual Trip Pressure (dbar)	DO	DIC TA	NOAA Nuts & Chl a	UMCES NOAA Nuts & Chl a	HABS	DOC	Phytop Presv. 1	Phytop Presv. 2	AMBON eDNA	NOAA edNA	$^{18}\text{O}/^{16}\text{O}$	d13C	Bottom Water	Salt	Absorption	Notes
1	Bott	34.8	016	X					X		X							
2	Bott	34.4			X	140	X	X		X								
3	30	30.3			X													
4	30	30.0			X	140	X	X										
5	22	21.9			X													
6	22	21.5			X													
7	20	20.1			X													
8	20	20.1			X													
9	10	9.7			X													
10	10	10.1			X	143	X	X										
11	Sur	4.1			X													
12	Sur	4.6			X	144	X	X										
13																		
14																		
15																		
16																		
17																		
18																		
19																		
20																		
21																		
22																		
23																		
24																		

*End(UTC)-05:47*

*Niskin leaking*

*CHL Max*

2024 Arctic Collaborative Ecosystem Cruise SKQ202412S

2024 Arctic Collaborative Ecosystem Cruise SKQ202412SS

# 2024 Arctic Collaborative Ecosystem Cruise SKQ202412S

Cruise SKQ202412S	CAST TIME/DATE LOCAL						Seafloor Depth (m) 26,802	Latitude Degree 26.802	Longitude Degree 54.948	Operator: Comments: JG SD									
	Year 2024	Month 8	Day 16	Hour 10	Minute 17	CAST TIME/DATE GMT													
	Ship R/V Sikuliaq	Year 2024	Month 8	Day 16	Hour 18	Minute 17	Consecutive Station Number 046	Station Name TC 4											
List sample number or use a checkmark to indicate sample taken.																			
Niskin Bottle #	Target Trip Depth (m)	Actual Trip Pressure (dbar)	DO	DIC TA	NOAA Nuts & Chl a	UNCESS Chl a	NOAA Chla SF	HABS	DOC	Phytop Presv. 1	Phytop Presv. 2	AMBON	NOAA eDNA	$\delta^{18}\text{O}/\delta^{16}\text{O}$	d13C d15N	Bottom Water	Salt	Absorp tion	Notes
1	Bott	37.3	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	
2	Bott	37.3	132X	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	
3	Bott	37.3	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	
4	30	30.3	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	
5	30	30.5	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	
6	30	30.4	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	
7	30	30.5	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	
8	10	10.0	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	
9	10	10.1	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	
10	Sur	2.4	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	
11	Sur	2.3	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	
12																			
13																			
14																			
15																			
16																			
17																			
18																			
19																			
20																			
21																			
22																			
23																			
24																			

End(UTC) - 18:32

CHL Max

# 2024 Arctic Collaborative Ecosystem Cruise SKQ202412S

Bottle #	Cruise	CAST TIME DATE LOCAL					Seafloor Depth (m)	Latitude	Longitude	Operator: <i>DG</i> Comments:								
	Year	Month	Day	Hour	Minute	Degree	Minute	Degree	Minute									
	SKQ202412S	2024	8	16	12	13	42	71	36.027	165								
Ship	Year	Month	Day	Hour	Minute	Consecutive Station Number			Station Name									
R/V Sikuliaq	2024	8	16	20	13	047			TC3									
List sample number or use a checkmark to indicate sample taken.																		
Niskin	Target Trip Depth (m)	Actual Trip Pressure (dbar)	DO	DIC TA	NOAA Nuts & Chl	UNM CES Nuts & Chl	NOAA Chla SF	HABS	DOC	PhytoP Presv. 1	PhytoP Presv. 2	AMBON eDNA	NOAA <sup>18</sup> O/ <sup>16</sup> O	d <sup>13</sup> C	Bottom Water	Salt	Absorp <sup>+</sup> tion	Notes
1	Bott	37.2	/		X	X				X	X	X	X	X				
2	Bott	37.2			X	X												
3	Bott	37.0																
4	30	30.5	/															
5	30	30.6			X	X												
6	20	20.4	/															
7	20	20.6			X	X												
8	10	10.4	/															
9	10	10.3																
10	10	10.4			X	X		X	X	X	X	X	X	X				
11	Sur	2.7																
12	Sur	2.9			X	X		X	X	X	X	X	X	X				
13																		
14																		
15																		
16																		
17																		
18																		
19																		
20																		
21																		
22																		
23																		
24																		

End(UTC)-20:28

*CHL max*

2024 Arctic Collaborative Ecosystem Cruise SKQ202412S

# 2024 Arctic Collaborative Ecosystem Cruise SKQ202412S

Bottle #	Cruise		CAST TIME/DATE LOCAL				Seafloor Depth (m)	Latitude Degree	Longitude Degree	Operator: SS											
	Year	Month	Day	Hour	Minute																
	SKQ202412S	2024	8	17	18	20															
Ship	CAST TIME/DATE GMT		Consecutive Station Number		Station Name		R/V Sikuliaq	Year	Month	Day	Hour	Minute									
R/V Sikuliaq	2024	8	18	02	20	054															
Target Trip Depth (m)	Actual Trip Pressure (dbar)		DO	DIC	NOAA Nuts & Chl	UNESCO Chl a	NOAA Chla SF	HABS	DOC	PhytoP Presv. 1	PhytoP Presv. 2	AMBON eDNA	NOAA eDNA	$\delta^{18}\text{O}/\delta^{16}\text{O}$	$\delta^{13}\text{C}$	Bottom Water	Salt	Absorp dion	Notes		
Niskin	Bottle #	Depth (m)	(dbar)	TA																	
1	B	42.3	X																		
2	B	42.1		X																	
3	33	33.3		X																	
4	33	33.3			X																
5	30	30.5			X																
6	30	30.4				X															
7	20	20.1				X															
8	20	20.2					X														
9	10	9.9						X													
10	10	10.0							X												
11	0	3.3								X											
12	0	3.4									X										
13												X									
14													X								
15														X							
16															X						
17																X					
18																	X				
19																		X			
20																			X		
21																				X	
22																					X
23																					X
24																					X

List sample number or use a checkmark to indicate sample taken.

Notes

100% Max  
100% Max  
DIC Triplicates

B  
30  
10

2024 Arctic Collaborative Ecosystem Cruise SKQ202412S

Cruise	CAST TIME DATE LOCAL						Seafloor Depth (m)	Latitude Degree	Longitude Minute	Operator: §§								
	Year	Month	Day	Hour	Minute													
	SKQ202412S	2024	8	18	16	17	47	71	27.286	161	2.410							
Ship	CAST TIME DATE GMT						Consecutive Station Number	Station Name	Comments:	Chancy cond. tress								
R/V Sikuliaq	Year	Month	Day	Hour	Minute													
2024	8	19	00	17			061	D 160 4.3n										
Target Trip Depth (m)	Actual Trip Pressure (dbar)	DO	DIC TA	NOAA Nuts	UMCES Chl a	NOAA Chla SF	HABS	DOC	PhytoP Presv. 1	PhytoP Presv. 2	AMBON eDNA	NOAA eDNA	$\delta^{18}\text{O}/\delta^{16}\text{O}$	d13C	Bottom Water	Salt	Absorption	Notes
1 B	42.0		X					X	X	X	-							
2 B	42.5		X															
3 30	30.2		X															Chancy cond. tress
4 30	30.6																	
5 CHL	28.2																	Chancy cond. tress
6 20	20.5		X															
7 20	20.5																	Chancy cond. tress
8 10	10.4		X															
9 10	10.5																	Chancy cond. tress
10 0	4.9		X															
11 0	4.7																	Chancy cond. tress
12																		
13																		Chancy cond. tress
14																		
15																		Chancy cond. tress
16																		
17																		Chancy cond. tress
18																		
19																		Chancy cond. tress
20																		
21																		Chancy cond. tress
22																		
23																		Chancy cond. tress
24																		

2024 Arctic Collaborative Ecosystem Cruise SKQ202412S

# 2024 Arctic Collaborative Ecosystem Cruise SKQ202412S

Niskin Bottle #	Cruise		CAST TIME DATE LOCAL				Seafloor Depth (m)		Latitude		Longitude		Operator: SD Comments:					
	SKQ202412S		Year: 2024	Month: 8	Day: 20	Hour: 12	Minute: 56	Depth (m)	Degree	Minute	Degree	Minute						
	Ship		CAST TIME DATE GMT				Consecutive Station Number		Station Name									
R/V Sikuliaq	2024	8	20	20	56	068	068	15.006	157	9.547	DB05.1							
Target Trip Depth (m)	Actual Trip Pressure (dbar)	DO	DIC TA	NOAA Nuts & Chl	UMCES Nuts & Chl	NOAA Chla SF	HABS	DOC	Phytop Presv. 1	Phytop Presv. 2	AMBON eDNA	NOAA eDNA	$^{18}\text{O}/^{16}\text{O}$	d13C	Bottom Water	Salt	Absorption	Notes
1	47.6																	
2	30.6																	
3	20.5																	
4	20.6																	
5	13.4																	
6	13.6																	
7	10.5																	
8	10.4																	
9	2.9																	
10	0																	
11	3.1																	
12																		
13																		
14																		
15																		
16																		
17																		
18																		
19																		
20																		
21																		
22																		
23																		
24																		

~~PA02 - slightly cloudy w/ low~~

2024 Arctic Collaborative Ecosystem Cruise SKQ202412SS

2024 Arctic Collaborative Ecosystem Cruise SKQ202412S

Cruise	CAST TIME/DATE LOCAL						Seafloor Depth (m)	Latitude Degree	Longitude Minute	Operator: Comments:									
	Year	Month	Day	Hour	Minute	Degree													
SKQ202412S	2024	8	21	4	29	63	71	39,184	157	55,635									
Ship	CAST TIME/DATE GMT						Consecutive Station Number	Station Name	Notes										
R/V Sikuliaq	2024	8	21	12	34	077													
Bottle #	List sample number or use a checkmark to indicate sample taken.																		
Niskin	Target Trip Depth (m)	Actual Trip Pressure (dbar)	DO	DIC TA	NOAA Nuts	UMCES Chl a	NOAA Chla SF	HABS	DOC	Phytop Presv. 1	Phytop Presv. 2	AMBON eDNA	NOAA edNA	$^{18}\text{O}/^{16}\text{O}$	d13C	Bottom Water	Salt	Absorb	
1																			
2																			
3																			
4																			
5																			
6																			
7																			
8																			
9																			
10																			
11																			
12																			
13																			
14																			
15																			
16																			
17																			
18																			
19																			
20																			
21																			
22																			
23																			
24																			

2024 Arctic Collaborative Ecosystem Cruise SKQ202412SS

Cruise	CAST TIME DATE LOCAL						Seafloor Depth (m)	Latitude Degree	Longitude Degree	Operator: Comments:									
	Year	Month	Day	Hour	Minute														
SKQ202412S	2024	8	21	11	53	109	71	45.332	154	29.054	S								
Ship	CAST TIME DATE GMT						Consecutive Station Number	Station Name	Notes										
R/V Sikuliaq	2024	8	21	19	53	78													
Bottle #	Target Trip Depth (m)	Actual Trip Pressure (dbar)	DO	DIC TA	NOAA Nuts	UMCES Chl a	NOAA Chla SF	HABS	DOC	Phytop Presv. 1	Phytop Presv. 2	AMBON eDNA	NOAA eDNA	$^{18}\text{O}/^{16}\text{O}$	d13C	Bottom Water	Salt	Absorp-tion	List sample number or use a checkmark to indicate sample taken.
Niskin																			
1																			
2																			
3																			
4																			
5																			
6																			
7																			
8																			
9																			
10																			
11																			
12																			
13																			
14																			
15																			
16																			
17																			
18																			
19																			
20																			
21																			
22																			
23																			
24																			

# 2024 Arctic Collaborative Ecosystem Cruise SKQ202412S

Bottle #	Cruise		CAST TIME DATE LOCAL				Seafloor Depth (m)	Latitude Degree	Longitude Degree	Operator: S Comments:									
	Year	Month	Day	Hour	Minute														
	Ship	CAST TIME DATE GMT				Consecutive Station Number													
R/V Sikuliaq	2024	8	21	19	41	0956	72	78.390	156.34.315	End: 05:11 UTC 1009m Seafloor									
Target Trip Depth (m)	Actual Trip Pressure (dbar)	DO	DIC TA	NOAA Nuts & Chl	UMCES Nuts & Chl	NOAA Chla SF	HABs	DOC	PhytoP Presv. 1	PhytoP Presv. 2	AMBON eDNA	NOAA eDNA	$\delta^{18}\text{O}/\delta^{16}\text{O}$	d13C	Bottom Water	Salt	Absorption	Notes	
1	B	972.5									X								
2	B	972.0	233	267															
3	910	911.9	255	288															
4	900	912.0	260																
5	806	804.6	275		289														
6	700	708.6	277		290														
7	600	607.9	306		241														
8	500	504.1	318		292														
9	400	405.3	350		293														
10	300	303.7	361		294														
11	250	253.0	370		295														
12	200	202.1	262		296														
13	175	176.8			297														
14	160	161.9									X								
15	150	151.7			298														
16	125	126.3			299														
17	100	100.8			300														
18	75	75.7			301														
19	50	50.2			302														
20	40	40.5			303														
21	30	30.1			304														
22	20	20.0			305														
23	10	10.1			320														
24	0	2.0			307														

Gloryear 019

# 2024 Arctic Collaborative Ecosystem Cruise SKQ202412S

Niskin Bottle #	Cruise	CAST TIME DATE LOCAL					Seafloor Depth (m)	Latitude	Longitude	Operator:								
	Year	Month	Day	Hour	Minute	Degree	Minute	Degree	Minute	Comments:								
	SKQ202412S	2024	8	22	22	59	72	51.3	165 36.3	SD								
Ship	Year	Month	Day	Hour	Minute	Consecutive Station Number		Station Name										
R/V Sikuliaq	2024	8	23			080		B11										
	Target Trip Depth (m)	Actual Trip Pressure (dbar)	DO	DIC TA	NOAA Nuts & Chl	UMCES NOAA Chla SF	HABS	DOC	PhytoP Presv. 1	PhytoP Presv. 2	AMBON eDNA	NOAA edNA	$\delta^{18}\text{O}/\delta^{16}\text{O}$	d13C	Bottom Water	Salt	Absorption	Notes
1	53.5		X															
2	53.6		X															
3	40	40.4	X															
4	40	40.3	X															
5	30	30.2	X															
6	30	30.3	X															
7	20	20.3	X															
8	20.3	20.1	X															
9	10	10.3	X															
10	10	10.2	X															
11	0	1.9	X															
12	0	1.9	X															
13																		
14																		
15																		
16																		
17																		
18																		
19																		
20																		
21																		
22																		
23																		
24																		

CH max no change of bottom  
UNESD  
no nuts

2024 Arctic Collaborative Ecosystem Cruise SKQ202412S

# 2024 Arctic Collaborative Ecosystem Cruise SKQ202412S

Cruise SKQ202412S	CAST TIME DATE LOCAL						Seafloor Depth (m)	Latitude		Longitude		Operator: Comments:					
	Year 2024	Month 8	Day 26	Hour 4	Minute 08	Degree 53	Minute 65	Degree 44.265	Minute 168	Degree 39.972	Minute 39.972						
Ship R/V Sikuliaq	CAST TIME DATE GMT						Consecutive Station Number	Station Name									
Bottle #	Target Trip Depth (m)	Actual Trip Pressure (dbar)	DO DO	DIC TA	NOAA Nutts	UNCCES NOAA Chla	Nutts & Chla	HABS DOC	Phytop Presv. 1	Phytop Presv. 2	AMBON eDNA	NOAA eDNA	$\delta^{13}\text{C}$ d13C	Bottom Water	Salt	Absorp	Notes
1	3	47.2															
2	3	47.1															
3	40	60.4															
4	40	40.4															
5	30	30.1															
6	30	30.0															
7	20	20.3															
8	20	26.4															
9	10	10.2															
10	10	10.1															
11	0	2.3															
12	0	2.0															
13																	
14																	
15																	
16																	
17																	
18																	
19																	
20																	
21																	
22																	
23																	
24																	

C14 max

2024 Arctic Collaborative Ecosystem Cruise SKQ202412S

2024 Arctic Collaborative Ecosystem Cruise SKQ202412S

2024 Arctic Collaborative Ecosystem Cruise SKQ202412S

2024 Arctic Collaborative Ecosystem Cruise SKQ202412SS

# 2024 Arctic Collaborative Ecosystem Cruise SKQ202412S

Bottle #	Cruise		CAST TIME DATE LOCAL					Seafloor Depth (m)		Latitude		Longitude		Operator: SD Comments:						
	Year	Month	Day	Hour	Minute	Depth (m)	Degree	Minute	Degree	Minute										
	Ship		CAST TIME DATE GMT					Consecutive Station Number		Station Name										
R/V Sikuliaq	2024	8	26	16	36	93	73.663	168	9.005	BSS8										
Target Trip Depth (m)	Actual Trip Pressure (dbar)		DO	DIC TA	NOAA Nuts & Chl	UMCES Nuts & Chl	NOAA Chla	Chla SF	HABS	DOC	Phytop Presv. 1	Phytop Presv. 2	AMBON eDNA	NOAA eDNA	$\delta^{18}\text{O}/\delta^{16}\text{O}$	$\delta^{13}\text{C}/\delta^{15}\text{N}$	Bottom Water	Salt	Absorption	Notes
1	23.5		X																	
2	23.3			X																
3	10		X																	
4	10		X																	
5	0		X																	
6	0		X																	
7																				
8																				
9																				
10																				
11																				
12																				
13																				
14																				
15																				
16																				
17																				
18																				
19																				
20																				
21																				
22																				
23																				
24																				

List sample number or use a checkmark to indicate sample taken.

Notes

CHL max