VESSEL	CRUISE ID	STARTING SCAN #	CTD CONSOLE DRIVER	LINE
USCGC Healy	HLY 1702		Astrid	Test Cast

CONSC CAST #	LATITUDE DEG	LATITUDE MIN	LONGITUDE DEG	LONGITUDE MIN	DATE (GMT) DAY	DATE (GMT) MO	DATE (GMT) YR	TIME (GMT) HR	TIME (GMT) MIN	BTM DEPTH (m)	STN. ID
1	64	24.26 N	166	13.40 W	28	AUG	17	22	04	33.9	Test Cast

NISKIN	DEPTH DESIRED (m)	DEPTH ACTUAL (m)	Mordy O2	Cross DIC / TA	Bourbonnais N2O	Bourbonnais N2/Ar	Bourbonnais DiN	Magen CH4	Mordy Nuts	Mordy Chl	Cooper d18O	Pickart Salts	Collins Genomics
1	Bottom		—	X					1	139			✓
2	Bottom				1,2	1,2	1	1					✓
3	20	20.175		X					2	138			
4	20	20.375			3	3	2	2					✓
5	10	10.292		X					3	138			
6	10	10.292			4,5	4,5	3	3					✓
7	Surf	2.052		X					4	139			
8	Surf	2.169			6	6	4	4					✓
9	Surf	2.262											
10	Surf	2.120											
11	Surf	2.077											
12	Surf	2.189											
13	Surf	2.034											
14	Surf	2.214											
~~15~~	~~Surf~~	~~2.171~~											
16	Surf	2.122											
17	Surf	2.147											
18	Surf	2.172											
19	Surf	2.098											
20	Surf	2.612											
21	Surf	2.012											
22	Surf	2.123											
23	Surf	2.099											
24	Surf	2.241											

Weather log:

Rosette Notes:
15 did not close
Not Samples labeled as Cast 1 here and on DB03 C1

VESSEL	CRUISE ID	STARTING SCAN #	CTD CONSOLE DRIVER	LINE
USCGC Healy	HLY 1702		Astrid Porcini	DB03

CONSC CAST #	LATITUDE DEG	LATITUDE MIN	LONGITUDE DEG	LONGITUDE MIN	DATE (GMT) DAY	DATE (GMT) MO	DATE (GMT) YR	TIME (GMT) HR	TIME (GMT) MIN	BTM DEPTH (m)	STN. ID
1	74	0.59 N	168	57.06 W	29	AUG	17	15	51	50	1

NISKIN	DEPTH DESIRED (m)	DEPTH ACTUAL (m)	Mordy O2	Cross DIC / TA	Bourbonnais N2O	Bourbonnais N2/Ar	Bourbonnais DiN	Magen CH4	Mordy Nuts	Mordy Chl	Cooper d18O	Pickart Salts	Collins Genomics
1 Jack	Bottom	48.5											
2 Jack	Bottom	48.7											
3	Bottom	48.7	132	✓				✓	5	139	✓	D1, D2	
4	Bottom	48.7			7, 8	7, 8	4						✓
5	40	40.4		✓				✓	6	138	✓		
6	40	40.4			9, 10	9, 10	6						✓
7	30	30.2		✓				✓	7	139	✓		
8	30	30.1			11, 12	11, 12	7						✓
9	20	20.3		✓				✓	8	138	✓		
10	20	20.3			13, 14	13, 14	8						✓
11 chl max	10	10.8		✓				✓	9	138	✓		
12 chl max	10	10.9			15, 16	15, 16	9						✓
13	Surf	3.6		✓				✓	10	138	✓		
14	Surf	3.7			17, 18	17, 8	10						✓
15													
16													
17													
18													
19													
20													
21													
22													
23													
24													

Phyto 12

Weather log: Partly cloudy, sun rising, calm waters
BEAUTIFUL

Rosette Notes: Cla-Max at 10 m

VESSEL	CRUISE ID	STARTING SCAN #	CTD CONSOLE DRIVER	LINE
USCGC Healy	HLY 1702		Peisen Lin	DB03

CONSC CAST #	LATITUDE DEG	LATITUDE MIN	LONGITUDE DEG	LONGITUDE MIN	DATE (GMT) DAY	DATE (GMT) MO	DATE (GMT) YR	TIME (GMT) HR	TIME (GMT) MIN	BTM DEPTH (m)	STN. ID
2	67	46.99 N	168	35.83 W	29	AUGUST	17	19	54	48	7

NISKIN	DEPTH DESIRED (m)	DEPTH ACTUAL (m)	Mordy O2	Cross DIC / TA	Bourbonnais N2O	Bourbonnais N2/Ar	Bourbonnais DiN	Magen CH4	Grebmeier Phyto ID	Mordy Nuts	Mordy Chl	Cooper d18O	Pickart Salts	Collins Genomics
1 Jackie	Bottom	47.5							H2 Vial ✓					
2 Jackie	Bottom	47.5												
3	Bottom	47.5	✓ 348	X						11	138	✓	D3.D4	
4	Bottom	47.5												✓
5	40	40.3		X						12	138	✓		
6	40	40.5												✓
7	30	30.3		X						13	139	✓		
8	30	30.6												✓
9	20	20.7		X						14	138	✓		
10	20	20.7												✓
11	15 Chl max	15.8		X						—	—			
12	15 Chl max	15.8												✓
13	10	10.7		X						15	138	✓		✓
14	10	10.6												
15	Surf	2.7	✓ 146	X						16	139	✓		
16	Surf	2.8												✓
17														
18														
19														
20														
21														
22														
23														
24														

Weather log: Calm waters, sunny.

Rosette Notes: Clorophyll a max at 15 m (nice peak at 10m as well)

Bottle 14 didn't trip

VESSEL	CRUISE ID	STARTING SCAN #	CTD CONSOLE DRIVER	LINE
USCGC Healy	HLY 1702		Paigan	DB03

CONSC CAST #	LATITUDE DEG	LATITUDE MIN	LONGITUDE DEG	LONGITUDE MIN	DATE (GMT) DAY	DATE (GMT) MO	DATE (GMT) YR	TIME (GMT) HR	TIME (GMT) MIN	BTM DEPTH (m)	STN. ID
003	67	53.81 N	168	14.94 W	29	AUG	17	22	38	56	6

NISKIN	DEPTH DESIRED (m)	DEPTH ACTUAL (m)	Mordy O2	Cross DIC / TA	Bourbonnais N2O	Bourbonnais N2/Ar	Bourbonnais DiN	Magen CH4	Mordy Nuts	Mordy Chl	Cooper d18O	Pickart Salts	Collins Genomics
1	Bottom	54.7		J	A	C	K	E					
2	"	55.6											
3	"	54.3		X				✓	17	139	✓	DS.DA	
4	"	55.4			A	C	K	E					✓
5	40	40.3		X				✓	18	138	✓		
6	40	40.2											
7	30	30.6		X				✓	19	139	✓		
8	30	31.0											
9	20	20.5		X				✓	20	138	✓		
10	20	20.4											✓
11	10	10.4		X				✓	21	138	✓		
12	10	10.6											
13	0	3.5		X				✓	22	138	✓		✓
14	0	3.1	NO TRIP - Bottom end cap										
15													
16													
17													
18													
19													
20													
21													
22													
23													
24													

Weather log:
Swell picking up, mostly cloudy

Rosette Notes:
Chl max @ 20m Bottle 14 no trip

VESSEL	CRUISE ID	STARTING SCAN #	CTD CONSOLE DRIVER	LINE
USCGC Healy	HLY 1702		Peigen	DB01

CONSC CAST #	LATITUDE DEG	LATITUDE MIN	LONGITUDE DEG	LONGITUDE MIN	DATE (GMT) DAY	DATE (GMT) MO	DATE (GMT) YR	TIME (GMT) HR	TIME (GMT) MIN	BTM DEPTH (m)	STN. ID
	68	0.74 N	167	52.72 W	30	AUG	17	01	46	51	4

NISKIN	DEPTH DESIRED (m)	DEPTH ACTUAL (m)	Mordy O2	Cross DIC / TA	Bourbonnais N2O	Bourbonnais N2/Ar	Bourbonnais DiN	Magen CH4	Mordy Nuts	Mordy Chl	Cooper d18O	Pickart Salts	Collins Genomics
1	Bott	49.9											
2	Bott	49.3											
3	Bott	49.6		X					23	139	✓	D7.08	
4	Bott	49.3											✓
5	40	40.2		X					24	138	✓		
6	40	40.8											✓
7	30	32.4		X					25	138	✓		
8	30	32.6											
9	20	20.6		X					26	139	✓		
10	20	21.3											
11	10	10.7		X					27	138	✓		
12	10	10.8											
13	0	10.2		X					28	138	✓		
14	0	10.4											✓
15	0	10.8											
16	0	9.9											
17													
18													
19													
20													
21													
22													
23													
24													

JACKIE

JESSICA

Weather log:

Rosette Notes:

bottles 15, 16 did not close

VESSEL	CRUISE ID	STARTING SCAN #	CTD CONSOLE DRIVER	LINE
USCGC Healy	HLY 1702		Min Li	DBO 3

CONSC CAST #	LATITUDE DEG	LATITUDE MIN	LONGITUDE DEG	LONGITUDE MIN	DATE (GMT) DAY	DATE (GMT) MO	DATE (GMT) YR	TIME (GMT) HR	TIME (GMT) MIN	BTM DEPTH (m)	STN. ID
	68	07.91 N	167	29.43 W	30	AUG	17	04	43	48	5

NISKIN	DEPTH DESIRED (m)	DEPTH ACTUAL (m)	Mordy O2	Cross DIC / TA	Bourbonnais N2O	Bourbonnais N2/Ar	Bourbonnais DiN	Magen CH4	Mordy Nuts	Mordy Chl	Cooper d18O	Pickart Salts	Collins Genomics
1	Bot	47 ✓							29	138	✓		
2	Bot	47 ✓											✓
3	Bot	47		X				✓				D9, D10	
4	Bot	47			✓	✓	✓						
5	40	41.1		X				✓	30	138	✓		
6	40	40.1			✓	✓	✓						✓
7	40	40.1	CR										
8	40	40.1											
~~9~~	~~30~~	~~30.8~~		X									
~~10~~	~~30~~	~~30.3~~											
9 ~~11~~	20	21.3		X				✓	31	138	✓		
10 ~~12~~	20	21.3			✓	✓	✓						✓
11 ~~13~~	10	10.7		X				✓	32	138	✓		
12 ~~14~~	10	10.7			✓	✓	✓						✓
13 ~~15~~	0	5		X				✓					
14 ~~16~~	0	5			✓	✓	✓						✓
15 ~~17~~	0								33	139	✓		
16 ~~18~~	0												
17 ~~19~~	0												
18 ~~20~~	0												
19 ~~21~~	0												
20 ~~22~~	0												
21 ~~23~~	0												
22 ~~24~~	0												

Weather log:

Rosette Notes:

VESSEL	CRUISE ID	STARTING SCAN #	CTD CONSOLE DRIVER	LINE
USCGC Healy	HLY 1702		Min Li	DB03 -

CONSC CAST #	LATITUDE DEG	LATITUDE MIN	LONGITUDE DEG	LONGITUDE MIN	DATE (GMT) DAY	DATE (GMT) MO	DATE (GMT) YR	TIME (GMT) HR	TIME (GMT) MIN	BTM DEPTH (m)	STN. ID
001	68	11.17 N	167	17.78 W	30	AUG	17	06	30	416	6

NISKIN	DEPTH DESIRED (m)	DEPTH ACTUAL (m)	Mordy O2	Cross DIC / TA	Bourbonnais N2O	Bourbonnais N2/Ar	Bourbonnais DiN	Magen CH4	Mordy Nuts	Mordy Chl	Cooper d18O	Pickart Salts	Collins Genomics
1	Bot	44											
2	Bot	44									X		
3	Bot	44		✓					34	138		D11, D12	
4	Bot	44											✓
5	30	30.6		X					35	139			
6	30	30.6									X		
7	20	20		X					36	138			
8	20	20									X		✓
9	10	10		X					37	138			
10	10	10									X		
11	0	5		X					38	139			
12	0	5									X		✓
13													
14													
15													
16													
17													
18													
19													
20													
21													
22													
23													
24													

Weather log:

Rosette Notes:

VESSEL	CRUISE ID	STARTING SCAN #	CTD CONSOLE DRIVER	LINE
stc USCGC Healy	HLY 1702		Min Li	DBO

CONSC ~~CAST #~~	LATITUDE DEG	LATITUDE MIN	LONGITUDE DEG	LONGITUDE MIN	DATE (GMT) DAY	DATE (GMT) MO	DATE (GMT) YR	TIME (GMT) HR	TIME (GMT) MIN	BTM DEPTH (m)	STN. ID
7	68	14.63 N	167	07.93 W	30	AUG	17				3.2

NISKIN	DEPTH DESIRED (m)	DEPTH ACTUAL (m)	Mordy O2	Cross DIC / TA	Bourbonnais N2O	Bourbonnais N2/Ar	Bourbonnais DiN	Magen CH4	Mordy Nuts	Mordy Chl	Cooper d18O	Pickart Salts	Collins Genomics
1 Jackie	Bot	39.35											
2 Jackie	Bot	39.95											
3	Bot	39.50	182	X					39	138	X	D13, D14	
4	Bot	39.49											✓
5	30	30.84		X					40	139	X		
6	30	30.58											✓
7	25	26.465		X									
8	25	26.605											
9	20	22.053		X					41	138	X		
10	20	22.195											
~~11~~	~~10~~	~~11.168~~							~~42~~	~~138~~	~~X~~		
12	10	11.191		X					42	138	X		✓
2nd cast 13	Surf	6.6	252	X					43	139	X		
2nd cast 14	Surf	6.7											✓
15													
16													
17													
18													
19													
20													
21													
22													
23													
24													

Weather log: Sundown, cloudy, stable wave but don't feel sick from wave movement

Rosette Notes: Chla max at 27m? Surface was missed in first cast, Surface was deployed in second cast

Niskin 11 is a leaker

VESSEL	CRUISE ID	STARTING SCAN #	CTD CONSOLE DRIVER	LINE
USCGC Healy	HLY 1702		Astrid	PB0

Station Number ~~CONSC~~ CAST #	LATITUDE DEG	LATITUDE MIN	LONGITUDE DEG	LONGITUDE MIN	DATE (GMT) DAY	DATE (GMT) MO	DATE (GMT) YR	TIME (GMT) HR	TIME (GMT) MIN	BTM DEPTH (m)	STN. ID
8	68	18.20 N	166	55.46 W	30	AUG	17	10	19	33.4	3.1

NISKIN	DEPTH DESIRED (m)	DEPTH ACTUAL (m)	Mordy O2	Cross DIC / TA	Bourbonnais N2O	Bourbonnais N2/Ar	Bourbonnais DiN	Magen CH4	Mordy Nuts	Mordy Chl	Cooper d18O	Pickart Salts	Collins Genomics
1	Bottom	31.56											
2	Bottom	31.56											
3	Bottom	31.60	✓ 244	✓				✓	44	139	✓	D15, D16	
4	Bottom	31.64			✓	✓	✓						
5	20	20.072		✓				✓	45	138	✓		
6	20	20.071			✓	✓	✓						
7	10	10.08		✓				✓	46	138	✓		
8	10	10.08			✓	✓	✓						
9	Surf	3.042	✓ 247	✓				✓	47	139	✓		
10	Surf	2.475			✓	✓	✓						
11	Surf	2.837											
12													
13													
14													
15													
16													
17													
18													
19													
20													
21													
22													
23													
24													

Jackie
Jackie

Weather log:

Rosette Notes:

VESSEL	CRUISE ID	STARTING SCAN #	CTD CONSOLE DRIVER	LINE
USCGC Healy	HLY 1702			HABS

CONSC STN #	LATITUDE DEG	LATITUDE MIN	LONGITUDE DEG	LONGITUDE MIN	DATE (GMT) DAY	DATE (GMT) MO	DATE (GMT) YR	TIME (GMT) HR	TIME (GMT) MIN	BTM DEPTH (m)	STN. ID
9	69	34.87 N	164	49.10 W	30	A U G	17	19	01	27	

NISKIN	DEPTH DESIRED (m)	DEPTH ACTUAL (m)	Mordy O2	Cross DIC / TA	Bourbonnais N2O	Bourbonnais N2/Ar	Bourbonnais DiN	Magen CH4	Grebmeier Phyto ID	Mordy Nuts	Mordy Chl	Cooper d18O	Pickart Salts	Collins Genomics	JC INPs
1	Bottom	28.7		✓						48			D17 D18		✓
2	Bottom	28.34													
3	10m	10.6		✓						49					✓
4	10m	10.6													
5	Surf	4.4		✓						50					✓
6	Surf	4.5													
7															
8															
9															
10															
11															
12															
13															
14															
15															
16															
17															
18															
19															
20															
21															
22															
23															
24															

Weather log:

Rosette Notes:
Jessie Creamean (JC) would like ~10mL per bottle.
Chla max at ~22m

VESSEL	CRUISE ID	STARTING SCAN #	CTD CONSOLE DRIVER	~~LINE~~ station name
USCGC Healy	HLY 1702		Min Li	DBO Line 4-6

CONSC STN #	LATITUDE DEG	LATITUDE MIN	LONGITUDE DEG	LONGITUDE MIN	DATE (GMT) DAY	DATE (GMT) MO	DATE (GMT) YR	TIME (GMT) HR	TIME (GMT) MIN	BTM DEPTH (m)	~~STN. ID~~
010	71	37.19 N	163	45.79 W	31	AUG	17	04	46	42	~~010~~

NISKIN	DEPTH DESIRED (m)	DEPTH ACTUAL (m)	Mordy O2	Cross DIC / TA	Bourbonnais N2O	Bourbonnais N2/Ar	Bourbonnais DiN	Magen CH4	Grebmeier Phyto ID	Mordy Nuts	Mordy Chl	Cooper d18O	Pickart Salts	Collins Genomics	JC INPS
1	Bot	37.8		JACK											
2	Bot	38													
3	Bot	38	254	—				✓	✓	51	138	—	D19, D20		
4	Bot	38			—	—	—							✓	✓
5	30	30		—				✓	✓	52	139	—			
6	30	29.7			—	—	—							✓	✓
7	20	20.5		—				✓	✓	53	138	—		✓	
8	~~20~~	~~20.6~~			—	—	—								✓
9	10	10.5		—				✓	✓	54	138	—			
10	10	10.5			—	—	—							✓	✓
11	Ø	6.6	275	—				✓	✓	55	139	—			
12	Ø	6.5			—	—	—							✓	✓
13															
14															
15															
16															
17															
18															
19															
20															
21															
22															
23															
24															

Weather log:

Rosette Notes:
8 closed but did not seat properly

VESSEL	CRUISE ID	STARTING SCAN #	CTD CONSOLE DRIVER	LINE
USCGC Healy	HLY 1702		Min Li	DB04 5.5

CONSC CAST #	LATITUDE DEG	LATITUDE MIN	LONGITUDE DEG	LONGITUDE MIN	DATE (GMT) DAY	DATE (GMT) MO	DATE (GMT) YR	TIME (GMT) HR	TIME (GMT) MIN	BTM DEPTH (m)	STN. ID
011	71	33.34 N	163	34.04 W	31	AUG	17	06	49	41	

NISKIN	DEPTH DESIRED (m)	DEPTH ACTUAL (m)	Mordy O2	Cross DIC / TA	Bourbonnais N2O	Bourbonnais N2/Ar	Bourbonnais DiN	Magen CH4	Mordy Nuts	Mordy Chl	Cooper d18O	Pickart Salts	Collins Genomics
1	Bot	40.6											
2	Bot	40.4											
3	Bot	40.4										D21, D22	
4	Bot	40.7											
5	30	30.1											
6	30	29.8											
7	20	20.4											
8	20	20.9											
9	20	20.4											
10	10	10.3											
11	10	10.3											
12	0	4.8											
13	0	5.0											
14	0												
15	0												
16													
17													
18													
19													
20													
21													
22													
23													
24													

Weather log:

Rosette Notes:

VESSEL	CRUISE ID	STARTING SCAN #	CTD CONSOLE DRIVER	LINE
USCGC Healy	HLY 1702		Min Li	DB0

CONSC CAST #	LATITUDE DEG	LATITUDE MIN	LONGITUDE DEG	LONGITUDE MIN	DATE (GMT) DAY	DATE (GMT) MO	DATE (GMT) YR	TIME (GMT) HR	TIME (GMT) MIN	BTM DEPTH (m)	STN. ID
12	71	29.41 N	163	22.63 W	31	AUG	17	07	43	41 m	4.5

NISKIN	DEPTH DESIRED (m)	DEPTH ACTUAL (m)	Mordy O2	Cross DIC / TA	Bourbonnais N2O	Bourbonnais N2/Ar	Bourbonnais DiN	Magen CH4	Mordy Nuts	Mordy Chl	Cooper d18O	Pickart Salts	Collins Genomics
1	Bot	39.65											
2	Bot	39.69											
3	Bot	39.66		X					56	138	X	D23, D24	
4	Bot	39.53			✓								✓
5 chla max	35	34.958		X					—	—			
6 chla max	35	34.53			✓								✓
7	30	30.292		X					57	139	X		
8	30	30.55			✓								
9	30	30.46		—					—	—	—	—	
10	20	20.262			✓								✓
11	20	20.212		X					58	138	X		
12	10	10.018			✓								
13	10	9.926		X					59	138	X		
14	Surf	4.604			✓								✓
15	Surf	3.782		X					60	139	X		
16													
17													
18													
19													
20													
21													
22													
23													
24													

Weather log:

Rosette Notes:
Chla max ~35 m

VESSEL	CRUISE ID	STARTING SCAN #	CTD CONSOLE DRIVER	STATION NAME
USCGC Healy	HLY 1702		Min li	DBO4.4

CONSC STN #	LATITUDE DEG	LATITUDE MIN	LONGITUDE DEG	LONGITUDE MIN	DATE (UTC) DAY	DATE (UTC) MO	DATE (UTC) YR	TIME (UTC) HR	TIME (UTC) MIN	BTM DEPTH (m)
13	71	25.87 N	163	12.20 W	31	Aug	17	09	25	44m

NISKIN	DEPTH DESIRED (m)	DEPTH ACTUAL (m)	Mordy O2	Cross DIC / TA	Bourbonnais N2O	Bourbonnais N2/Ar	Bourbonnais DiN	Magen CH4	Grebmeier Phyto ID	Mordy Nuts	Mordy Chl	Cooper d18O	Pickart Salts	Collins Genomics	Creamean Particles
1	Bot	40.8		✓											
2	Bot	40.9		✓											
3	Bot	40.9		✓									B1, B2		
4	Bot	40.8		✓											
5 Chla max	35	34.9		✓											
6 Chla max	35	34.8		✓											
7	30	29.8		✓											
8	30	30.3		✓											
9	30	30.6		✓											
10	20	20.27		✓											
11	20	19.67		✓											
12	10	9.9		✓											
13	10	9.8		✓				✓							
14	Surf			✓											
15	Surf			✓											
16				✓											
17				✓											
18															
19															
20															
21															
22															
23															
24															

Weather log:

Rosette Notes

Chla max ~33m

VESSEL	CRUISE ID	STARTING SCAN #	CTD CONSOLE DRIVER	STATION NAME
USCGC Healy	HLY 1702		Astrid Parini	DB04.4

CONSC STN #	LATITUDE DEG	LATITUDE MIN		LONGITUDE DEG	LONGITUDE MIN		DATE (UTC) DAY	MO	YR	TIME (UTC) HR	MIN	BTM DEPTH (m)
14	70	21.72	N	163	0.32	W	31	Aug	17	10	33	46m

NISKIN	DEPTH DESIRED (m)	DEPTH ACTUAL (m)	Mordy O2	Cross DIC / TA	Bourbonnais N2O	Bourbonnais N2/Ar	Bourbonnais DiN	Magen CH4	Grebmeier Phyto ID	Mordy Nuts	Mordy Chl	Cooper d18O	Pickart Salts	Collins Genomics	Creamean Particles
1	Bottom	42.25	Jackie												
2	Bot	42.49													
3	Bot	42.25		✓				✓	✓	61	138	✓	B3, B4		
4	Bot	42.7			✓	✓	✓							✓	
5	37	37.36		✓				✓		—	—				
6	37	37.6			✓	✓	✓							✓	
7	30	30.9		✓				✓	✓	62	139	✓			
8	30	31.1			✓	✓	✓							✓	
9	30	31.1		—											
10	20	20.8			✓	✓	✓							✓	
11	20	20.7		✓				✓	✓	63	138	✓			
12	10	10.9			✓	✓	✓							✓	
13	10	10.7		✓				✓	✓	64	138	✓			
14	surf	3.0			✓	✓	✓							✓	
15	Surf	2.8		✓				✓	✓	65	139	✓			
16															
17															
18															
19															
20															
21															
22															
23															
24															

Weather log:
dark

Rosette Notes
chla max at ~37m

VESSEL	CRUISE ID	STARTING SCAN #	CTD CONSOLE DRIVER	STATION NAME
USCGC Healy	HLY 1702		Astrid Pacini	DBO 4, SA

CONSC STN #	LATITUDE DEG	LATITUDE MIN	LONGITUDE DEG	LONGITUDE MIN	DATE (UTC) DAY	DATE (UTC) MO	DATE (UTC) YR	TIME (UTC) HR	TIME (UTC) MIN	BTM DEPTH (m)
015	71	17.83 N	162	49.66 W	31	August	17	13	16	47

NISKIN	DEPTH DESIRED (m)	DEPTH ACTUAL (m)	Mordy O2	Cross DIC / TA	Bourbonnais N2O	Bourbonnais N2/Ar	Bourbonnais DiN	Magen CH4	Grebmeier Phyto ID	Mordy Nuts	Mordy Chl	Cooper d18O	Pickart Salts	Collins Genomics	Creamean Particles
1	Bottom-2	43											B5, B6		
2	Bottom-2	43													
3															
4															
5															
6															
7															
8															
9															
10															
11															
12															
13															
14															
15															
16															
17															
18															
19															
20															
21															
22															
23															
24															

Weather log:

Rosette Notes

VESSEL	CRUISE ID	STARTING SCAN #	CTD CONSOLE DRIVER	STATION NAME
USCGC Healy	HLY 1702		Astrid Pacini	DBO 4.3

CONSC STN #	LATITUDE DEG	LATITUDE MIN	LONGITUDE DEG	LONGITUDE MIN	DATE (UTC) DAY	DATE (UTC) MO	DATE (UTC) YR	TIME (UTC) HR	TIME (UTC) MIN	BTM DEPTH (m)
16	71	13.96 N	162	38.62 W	31	Aug	17	14	15	46m

NISKIN	DEPTH DESIRED (m)	DEPTH ACTUAL (m)	Mordy O2	Cross DIC / TA	Bourbonnais N2O	Bourbonnais N2/Ar	Bourbonnais DiN	Magen CH4	Grebmeier Phyto ID	Mordy Nuts	Mordy Chl	Cooper d18O	Pickart Salts	Collins Genomics	Creamean Particles
1	Bot	42.9	(	Jackie					)						
2	Bot	42.9													
3	Bot	42.3		✓						66	138	✓			
4	Bot	42.3			✓	✓	✓							✓	
5	30	30.9		✓						67	139	✓			
6	30	30.1			✓	✓	✓							✓	
7	20	21.5		✓						68	138	✓			
8	20	21.4			✓	✓	✓							✓	
9	20	21.2		—											
10	10	10.3			✓	✓	✓								
11	10	11.2		✓						69	138	✓			
12	Surf	1.9			✓	✓	✓							✓	
13	Surf	2.6		✓						70	139	✓			
14															
15															
16															
17															
18															
19															
20															
21															
22															
23															
24															

Weather log:

Rosette Notes

Chla max ~40 m, peak at surface as well

VESSEL	CRUISE ID	STARTING SCAN #	CTD CONSOLE DRIVER	STATION NAME
USCGC Healy	HLY 1702		Astrid Pacini	

CONSC STN #	LATITUDE DEG	LATITUDE MIN	LONGITUDE DEG	LONGITUDE MIN	DATE (UTC) DAY	DATE (UTC) MO	DATE (UTC) YR	TIME (UTC) HR	TIME (UTC) MIN	BTM DEPTH (m)
017		. N		. W			17			

NISKIN	DEPTH DESIRED (m)	DEPTH ACTUAL (m)	Mordy O2	Cross DIC / TA	Bourbonnais N2O	Bourbonnais N2/Ar	Bourbonnais DiN	Magen CH4	Grebmeier Phyto ID	Mordy Nuts	Mordy Chl	Cooper d18O	Pickart Salts	Collins Genomics	Creamean Particles
1	bottom-2	42											B9, B10		
2	bottom-2	42													
3	halod.	27.5											B11		
4	halod	27.5											B12		
5															
6															
7															
8															
9															
10															
11															
12															
13															
14															
15															
16															
17															
18															
19															
20															
21															
22															
23															
24															

Weather log:

Chris running Niskin test - 3 and 4 latched to trigger 4

Rosette Notes

VESSEL	CRUISE ID	STARTING SCAN #	CTD CONSOLE DRIVER	STATION NAME
USCGC Healy	HLY 1702		Astrid Pacini	DB04.2

CONSC STN #	LATITUDE DEG	LATITUDE MIN	LONGITUDE DEG	LONGITUDE MIN	DATE (UTC) DAY	DATE (UTC) MO	DATE (UTC) YR	TIME (UTC) HR	TIME (UTC) MIN	BTM DEPTH (m)
18	71	06.19 N	162	15.39 W	31	Aug	17	17	01	45

NISKIN	DEPTH DESIRED (m)	DEPTH ACTUAL (m)	Mordy O2	Cross DIC / TA	Bourbonnais N2O	Bourbonnais N2/Ar	Bourbonnais DiN	Magen CH4	Grebmeier Phyto ID	Mordy Nuts	Mordy Chl	Cooper d18O	Pickart Salts	Collins Genomics	Creamean Particles
1	Bot	43		(Jackie											
2	Bot	43													
3	Bot	42	✓279	✓				✓	✓	71	138	✓	B13/B14		
4	Bot	42			✓	✓	✓							✓	
5	35	36		✓				✓							
6	35	36			✓	✓	✓							✓	
7	30	30.7		✓				✓	✓	72	139	✓			
8	30	30.8			✓	✓	✓							✓	
9	30	30.7		—											
10	20	20.2			✓	✓	✓								
11	20	19.1		✓				✓	✓	73	138	✓			
12	10	10.2			✓	✓	✓								
13	10	9.8		✓				✓	✓	74	138	✓			
14	Surf	5.8			✓	✓	✓							✓	
15	Surf	5.7	✓255	✓				✓	✓	75	139	✓			
16															
17															
18															
19															
20															
21															
22															
23															
24															

Weather log:

Rosette Notes

Chla max at 235 m

VESSEL	CRUISE ID	STARTING SCAN #	CTD CONSOLE DRIVER	STATION NAME
USCGC Healy	HLY 1702		Peigen Lin	DB04.1a

CONSC STN #	LATITUDE DEG	LATITUDE MIN		LONGITUDE DEG	LONGITUDE MIN		DATE (UTC) DAY	MO	YR	TIME (UTC) HR	MIN	BTM DEPTH (m)
		.	N		.	W			1 7			46

NISKIN	DEPTH DESIRED (m)	DEPTH ACTUAL (m)	Mordy O2	Cross DIC / TA	Bourbonnais N2O	Bourbonnais N2/Ar	Bourbonnais DiN	Magen CH4	Grebmeier Phyto ID	Mordy Nuts	Mordy Chl	Cooper d18O	Pickart Salts	Collins Genomics	Creamean Particles
1	Bot-2	42.9											B17B18		
2	Bot-2	42.9													
3	30	30.1													
4	30	30.1													
5															
6															
7															
8															
9															
10															
11															
12															
13															
14															
15															
16															
17															
18															
19															
20															
21															
22															
23															
24															

Weather log:

Rosette Notes

VESSEL	CRUISE ID	STARTING SCAN #	CTD CONSOLE DRIVER	STATION NAME
USCGC Healy	HLY 1702		Peipen	DB04.1

CONSC STN #	LATITUDE DEG	LATITUDE MIN	LONGITUDE DEG	LONGITUDE MIN	DATE (UTC) DAY	DATE (UTC) MO	DATE (UTC) YR	TIME (UTC) HR	TIME (UTC) MIN	BTM DEPTH (m)
020	70	58.44 N	161	53.55 W	31	aug	17	20	09	46

NISKIN	DEPTH DESIRED (m)	DEPTH ACTUAL (m)	Mordy O2	Cross DIC / TA	Bourbonnais N2O	Bourbonnais N2/Ar	Bourbonnais DiN	Magen CH4	Grebmeier Phyto ID	Mordy Nuts	Mordy Chl	Cooper d18O	Pickart Salts	Collins Genomics	Creamean Particles
1	Bot	42.1	—	JACKIE							—				
2	Bot	41.7	—												
3	Bot	42.7	—	ERIC/ANNI											
4	Bot	42.1	—												
5	Bot	42.1		/						76	138	/	BigBro		
6	Bot	42.1			/	/	/								
7	30	30.8		/						77	1389	/			
8	30	31.2			/	/	/								
9	30	31.2													
10	20	20.6			/	/	/								
11	20	20.6		/						78	138	/			
12	10	11.2			/	/	/								
13	10	11.0		/						79	138	/			
14	~~Surf~~	~~3.9~~													
15	~~Surf~~	~~4.0~~		/											
16															
17															
18															
19															
20															
21															
22															
23															
24															

Weather log:

Rainy

Rosette Notes

VESSEL	CRUISE ID	STARTING SCAN #	CTD CONSOLE DRIVER	STATION NAME
USCGC Healy	HLY 1702		Min Li	DB05

CONSC STN #	LATITUDE DEG	LATITUDE MIN	LONGITUDE DEG	LONGITUDE MIN	DATE (UTC) DAY	DATE (UTC) MO	DATE (UTC) YR	TIME (UTC) HR	TIME (UTC) MIN	BTM DEPTH (m)
021	71	37.35 N	157	54.35 W	01	Sept	17	03	44	64

NISKIN	DEPTH DESIRED (m)	DEPTH ACTUAL (m)	Mordy O2	Cross DIC / TA	Bourbonnais N2O	Bourbonnais N2/Ar	Bourbonnais DiN	Magen CH4	Grebmeier Phyto ID	Mordy Nuts	Mordy Chl	Cooper d18O	Pickart Salts	Collins Genomics	Creamean Particles
1	Bot	58.5							✓						
2	Bot	59							✓						
3	Bot	59.7		—				✓	✓	80	139	—	B21, B22		
4	Bot	59.3			—	—	—							✓	
5	50	51		—				✓	✓	81	138	—			
6	50	50.8			—	—	—								
7	40	40.7		—				✓	✓	82	138	—			
8	40	40.4			—	—	—							✓	
9	30	30.5		—					✓	83	139	—			
10	30	30.2			—	—	—								
SCM 11	24	23.8		—				✓	—						
SCM 12	24	23.8			—	—	—							✓	
13	20	20.3		—					✓	84	138	—			
14	20	19.6			—	—	—								
15	10	10.3		—				✓	✓	85	138	—			
16	10	10.0			—	—	—								
17	Ø	7.4		—				✓	✓	86	139	—			
18	Ø	7.2			—	—	—							✓	
19															
20															
21															
22															
23															
24															

JACKE

Weather log:

Rosette Notes

VESSEL	CRUISE ID	STARTING SCAN #	CTD CONSOLE DRIVER	STATION NAME
USCGC Healy	HLY 1702		Yin Li	DB05

CONSC STN #	LATITUDE DEG	LATITUDE MIN	LONGITUDE DEG	LONGITUDE MIN	DATE (UTC) DAY	DATE (UTC) MO	DATE (UTC) YR	TIME (UTC) HR	TIME (UTC) MIN	BTM DEPTH (m)
022	71	34.72 N	157	48.78 W	01	Sept	17	05	58	66

NISKIN	DEPTH DESIRED (m)	DEPTH ACTUAL (m)	Mordy O2	Cross DIC / TA	Bourbonnais N2O	Bourbonnais N2/Ar	Bourbonnais DiN	Magen CH4	Grebmeier Phyto ID	Mordy Nuts	Mordy Chl	Cooper d18O	Pickart Salts	Collins Genomics	Creamean Particles
1	Bot	62.2													
2	Bot	62.2										✓			
3	Bot	62.2		\						87	139		B23, B24		
4	Bot	62.2												✓	
5	50	50.3		\						88	138				
6	50	49.8										✓		✓	
7	40	39.7		\						89	138				
8	40	39.7										✓		✓	
9	30	30		\						90	139				
10	30	29.8										✓		✓	
11	19	19.3		\						91	138				
12	19	19.5										✓		✓	
13	10	9.7		\						92	138				
14	10	9.9										✓		✓	
15	Ø	6.3		\						93	139				
16	Ø	6.7										✓		✓	
17															
18															
19															
20															
21															
22															
23															
24															

Weather log:

Rosette Notes

VESSEL	CRUISE ID	STARTING SCAN #	CTD CONSOLE DRIVER	STATION NAME
USCGC Healy	HLY 1702		Min Li	DBO 5.8

CONSC STN #	LATITUDE DEG	LATITUDE MIN	LONGITUDE DEG	LONGITUDE MIN	DATE (UTC) DAY	DATE (UTC) MO	DATE (UTC) YR	TIME (UTC) HR	TIME (UTC) MIN	BTM DEPTH (m)
023	71	32.21 N	157	44.09 W	01	Sept.	17	07	2	71

NISKIN	DEPTH DESIRED (m)	DEPTH ACTUAL (m)	Mordy O2	Cross DIC / TA	Bourbonnais N2O	Bourbonnais N2/Ar	Bourbonnais DiN	Magen CH4	Grebmeier Phyto ID	Mordy Nuts	Mordy Chl	Cooper d18O	Pickart Salts	Collins Genomics	Creamean Particles
1	Bot	67.67		(Jackie)									C1, C2		
2	Bot	67.535		✓					✓	94		✓			
3	Bot	65.297		✓						94		Lecker			
4	Bot	66.635			✓	✓	✓							✓ x	
5	50	50.699		✓					✓	95	138	✓			
6	50	50.739			✓	✓	✓							✓ x	
7	40	39.062		✓					✓	96	138	✓			
8	40	40.2			✓	✓	✓							✓ x	
9	30	30.411		✓					✓	97	139	✓			
10	30	30.318			✓	✓	✓							✓ x	
11	20	21.487		✓					✓	98	138	✓			
12	20	20.801			✓	✓	✓							✓	
13	10	10.731		✓					✓	99	138	✓			
14	10	11.609			✓	✓	✓							✓	
15	Surf	4.086		✓					✓	100	139	✓			
16	Surf	4.241												✓ x	
17															
18															
19															
20															
21															
22															
23															
24															

Weather log:

Rosette Notes

Chla max ~20m

VESSEL	CRUISE ID	STARTING SCAN #	CTD CONSOLE DRIVER	STATION NAME
USCGC Healy	HLY 1702		Min Li	DBO 5.7

CONSC STN #	LATITUDE DEG	LATITUDE MIN	LONGITUDE DEG	LONGITUDE MIN	DATE (UTC) DAY	DATE (UTC) MO	DATE (UTC) YR	TIME (UTC) HR	TIME (UTC) MIN	BTM DEPTH (m)
24	71	29.81 N	157	38.95 W	01	Sept	17	09	23	87 m

NISKIN	DEPTH DESIRED (m)	DEPTH ACTUAL (m)	Mordy O2	Cross DIC / TA	Bourbonnais N2O	Bourbonnais N2/Ar	Bourbonnais DiN	Magen CH4	Grebmeier Phyto ID	Mordy Nuts	Mordy Chl	Cooper d18O	Pickart Salts	Collins Genomics	Creamea Particle
1	Bot	78.13		(JACKIE)											
2	Bot	78.17													
3	Bot	78.16	✓262	✓						101		✓	C3, C4		✓
4	Bot	78.77												✓	
5	50	50.66		✓						102	138	✓			✓
6	50	51.25												✓	
7	40	40.136		✓						103	138	✓			✓
8	40	41.094												✓	
9	30	30.111		✓						104	139	✓			✓
10	30	30.747												✓	
11	20	20.197		✓						105	138	✓			✓
12	20	20.628												✓	
13	10	10.935		✓						106	138	✓			✓
14	10	10.749												✓	
15	Surf	3.771		✓						107	139	✓			✓
16	Surf	4.519												✓	
17															
18															
19															
20															
21															
22															
23															
24															

Weather log:

Rosette Notes

Chla max at 20 m

VESSEL	CRUISE ID	STARTING SCAN #	CTD CONSOLE DRIVER	STATION NAME
USCGC Healy	HLY 1702		Astrid Pacini	DBO 5.6

CONSC STN #	LATITUDE DEG	LATITUDE MIN	LONGITUDE DEG	LONGITUDE MIN	DATE (UTC) DAY	DATE (UTC) MO	DATE (UTC) YR	TIME (UTC) HR	TIME (UTC) MIN	BTM DEPTH (m)
25	71	27.41 N	157	34.89 W	01	Sept	17	11	07	113 m

NISKIN	DEPTH DESIRED (m)	DEPTH ACTUAL (m)	Mordy O2	Cross DIC / TA	Bourbonnais N2O	Bourbonnais N2/Ar	Bourbonnais DiN	Magen CH4	Grebmeier Phyto ID	Mordy Nuts	Mordy Chl	Cooper d18O	Pickart Salts	Collins Genomics	Creamea Particle
1	Bot	104.7													
2	Bot	104.7													
3	Bot	104.7	✓304	✓				✓		108		✓	CS, C6		✓
4	Bot	104.7			✓	✓	✓							✓	
5	75	76.4		✓				✓		109		✓			✓
6	75	76.0			✓	✓	✓							✓	
7	50	50.8		✓				✓		110		✓			✓
8	50	50.8			✓	✓	✓								
9	40	40.9		✓				✓		111		✓			✓
10	40	40.9			✓	✓	✓							✓	
11	30	30.0		✓				✓		112		✓			✓
12	30	30.1			✓	✓	✓							✓	
13	20	20.4		✓				✓		113		✓			✓
14	20	20.5			✓	✓	✓							✓	
15	10	10.0		✓				✓		114		✓			✓
16	10	10.4			✓	✓	✓								
17	Surf	3.5		✓				✓		115		✓			✓
18	Surf	4.2			✓	✓	✓							✓	
19															
20															
21															
22															
23															
24															

Weather log:
O_2 252 was dry

Rosette Notes
Chla max ~15m

VESSEL	CRUISE ID	STARTING SCAN #	CTD CONSOLE DRIVER	STATION NAME
USCGC Healy	HLY 1702		Astrid Pacini	DB08.5

CONSC STN #	LATITUDE DEG	LATITUDE MIN	LONGITUDE DEG	LONGITUDE MIN	DATE (UTC) DAY	DATE (UTC) MO	DATE (UTC) YR	TIME (UTC) HR	TIME (UTC) MIN	BTM DEPTH (m)
26	71	29.57 N	157	29.06 W	01	Sept	17	14	11	130 m

NISKIN	DEPTH DESIRED (m)	DEPTH ACTUAL (m)	Mordy O2	Cross DIC / TA	Bourbonnais N2O	Bourbonnais N2/Ar	Bourbonnais DiN	Magen CH4	Grebmeier Phyto ID	Mordy Nuts	Mordy Chl	Cooper d18O	Pickart Salts	Collins Genomics	Creamea Particle
1	Bot	118.4			(JACKIE)										
2	Bot	118.4													
3	Bot	118.4	303	✓					✓	116		✓	C7, C8		✓
4	Bot	118.4												✓	
5	110	111		(CHRIS)											
6	110	111													
7	110	111.9													
8	100	100.8													
9	100	101.6		✓					✓	117		✓			✓
10	100	99.8		(CHRIS)											
11	75	76.1		✓					✓	118		✓			✓
12	75	76.1												✓	
13	50	52.9		✓					✓	119	138	✓			✓
14	50	52.9													
15	40	40.0		✓					✓	120	138	✓			✓
16	40	40.0												✓	
17	30	29.9		✓					✓	121	139	✓			✓
18	30	30.1												✓	
19	20	20.2		✓					✓	122	138	✓			✓
20	20	20.3												✓	
21	10	10.2		✓					✓	123	138	✓			✓
22	10	10.2													
23	Surf	3.0		✓					✓	124	139	✓			✓
24	Surf	3.9												✓	

Weather log:

Rosette Notes

Chl a max ~~1m~~ ~20m

VESSEL	CRUISE ID	STARTING SCAN #	CTD CONSOLE DRIVER	STATION NAME
USCGC Healy	HLY 1702		Astrid Pacini	DB05.4

CONSC STN #	LATITUDE DEG	LATITUDE MIN	LONGITUDE DEG	LONGITUDE MIN	DATE (UTC) DAY	DATE (UTC) MO	DATE (UTC) YR	TIME (UTC) HR	TIME (UTC) MIN	BTM DEPTH (m)
27	71	22.40 N	157	24.04 W	01	Sep	17	17	32	116 m

NISKIN	DEPTH DESIRED (m)	DEPTH ACTUAL (m)	Mordy O2	Cross DIC / TA	Bourbonnais N2O	Bourbonnais N2/Ar	Bourbonnais DiN	Magen CH4	Grebmeier Phyto ID	Mordy Nuts	Mordy Chl	Cooper d18O	Pickart Salts	Collins Genomics	Creamea Particle
1	Bot	109													
2	Bot	109													
3	Bot	109	✓300	✓						125		✓	c9, c10		✓
4	Bot	109													
5	100	100.1		✓						126		✓			✓
6	100	100.1													
7	75	77.1		✓						127		✓			✓
8	75	76.6													
9	50	51.4		✓						128	138	✓			✓
10	50	51.1													
11	40	40.1		✓						129	138	✓			✓
12	40	40.9													
13	30	29.9		✓						130	139	✓			✓
14	30	30.4													
15	20	20.0		✓						131	138	✓			✓
16	20	20.5													
17	10	9.5		✓						132	138	✓			✓
18	10	9.8													
19	Surf	3.5		✓						133	139	✓			✓
20	Surf	3.8													
21															
22															
23															
24															

(Jackie)

Weather log:

Rosette Notes

Chla max ~10m

VESSEL	CRUISE ID	STARTING SCAN #	CTD CONSOLE DRIVER	STATION NAME
USCGC Healy	HLY 1702		Peigen	DBO5.3

CONSC STN #	LATITUDE DEG	LATITUDE MIN	LONGITUDE DEG	LONGITUDE MIN	DATE (UTC) DAY	DATE (UTC) MO	DATE (UTC) YR	TIME (UTC) HR	TIME (UTC) MIN	BTM DEPTH (m)
028	71	19.57 N	157	19.42 W	01	Sept	17	19	33	90

NISKIN	DEPTH DESIRED (m)	DEPTH ACTUAL (m)	Mordy O2	Cross DIC / TA	Bourbonnais N2O	Bourbonnais N2/Ar	Bourbonnais DiN	Magen CH4	Grebmeier Phyto ID	Mordy Nuts	Mordy Chl	Cooper d18O	Pickart Salts	Collins Genomics	Creamea Particles
1	Bot	85.8	—							—	—				
2	Bot	85.2	—		JACKIE					—	—				
3	Bot	84.2		X				✓		134	139	✓	C11C12		✓
4	Bot	84.2			✓	✓	✓							✓	
5	75	76.5		X				✓		135	138	✓			✓
6	75	76.4			✓	✓	✓							✓	
7	60	61.5		X						136	139	✓			Nowate
8	60	61.5			✓		✓							✓	left
9	50	50.5		X				✓		137	138	✓			✓
10	50	50.6			✓	✓	✓							✓	
11	40	40.7		X				✓		138	138	✓			✓
12	40	40.7			✓	✓	✓			b				✓	
13	30	30.5		X				✓		139	139	✓			✓
14	30	30.6			✓	✓	✓							✓	
15	20	20.4		X				✓		140	138	✓			✓
16	20	20.3			✓	✓	✓							✓	
17	10	10.3		X				✓		141	138	✓			✓
18	10	10.3			✓	✓	✓							✓	
19	Ø	2.8		X				✓		142	139	✓			✓
20	Ø	2.8			✓	✓	✓							✓	
21															
22															
23															
24															

Weather log:

Rosette Notes

VESSEL	CRUISE ID	STARTING SCAN #	CTD CONSOLE DRIVER	STATION NAME
USCGC Healy	HLY 1702		Peigen	DBO 5.2

CONSC STN #	LATITUDE DEG	LATITUDE MIN	LONGITUDE DEG	LONGITUDE MIN	DATE (UTC) DAY	DATE (UTC) MO	DATE (UTC) YR	TIME (UTC) HR	TIME (UTC) MIN	BTM DEPTH (m)
029	71	17.30 N	157	14.49 W	01	Sept	17	21	43	57

NISKIN	DEPTH DESIRED (m)	DEPTH ACTUAL (m)	Mordy O2	Cross DIC / TA	Bourbonnais N2O	Bourbonnais N2/Ar	Bourbonnais DiN	Magen CH4	Grebmeier Phyto ID	Mordy Nuts	Mordy Chl	Cooper d18O	Pickart Salts	Collins Genomics	Creamea Particle
1	Bot	54													
2	Bot	53.8										✓			
3	Bot	53.8		/					✓	143	138		47048		✓
4	Bot	53.8													
5	40	41.7		/					✓	144	138				✓
6	40	41.7										✓			
7	30	30.6		/					✓	145	139				✓
8	30	30.6										✓			
9	20	20.1		/					✓	146	138				✓
10	20	20.1										✓			
11	10	10.1		/					✓	147	138				✓
12	10	10.1										✓			
13	Ø	2.4		/					✓	148	139				✓
14	Ø	2.5										✓			
15															
16															
17															
18															
19															
20															
21															
22															
23															
24															

Weather log:

Rosette Notes

VESSEL	CRUISE ID	STARTING SCAN #	CTD CONSOLE DRIVER	STATION NAME
USCGC Healy	HLY 1702		Peigen	DB05.1

CONSC STN #	LATITUDE DEG	LATITUDE MIN	LONGITUDE DEG	LONGITUDE MIN	DATE (UTC) DAY	DATE (UTC) MO	DATE (UTC) YR	TIME (UTC) HR	TIME (UTC) MIN	BTM DEPTH (m)
030	71	14.85 N	157	09.15 W	01	Sept	17	23		46

NISKIN	DEPTH DESIRED (m)	DEPTH ACTUAL (m)	Mordy O2	Cross DIC / TA	Bourbonnais N2O	Bourbonnais N2/Ar	Bourbonnais DiN	Magen CH4	Grebmeier Phyto ID	Mordy Nuts	Mordy Chl	Cooper d18O	Pickart Salts	Collins Genomics	Creamea Particle
1	Bot	43.7			JACKIE										
2	Bot	43.6													
3	Bot	43.5		✓				✓	✓	149	139	✓			✓
4	Bot	43.7			✓	✓	✓						C15 C16		
5	40	40.7		✓				✓	✓	150	138	✓			✓
6	40	40.6			✓	✓	✓								
7	30	30.3		✓				✓	✓	151	139	✓			✓
8	30	30.3			✓	✓	✓								
9	20	20.0		✓				✓	✓	152	138	✓			✓
10	20	20.1			✓	✓	✓								
11	10	10.2		✓				✓	✓	153	138	✓			✓
12	10	10.7			✓	✓	✓								
13	Ø	2.2		✓					✓	154	139	✓			✓
14	Ø	2.2		✓	✓	✓	✓	✓							
15															
16															
17															
18															
19															
20															
21															
22															
23															
24															

Weather log:

Rosette Notes

VESSEL	CRUISE ID	STARTING SCAN #	CTD CONSOLE DRIVER	STATION NAME
USCGC Healy	HLY 1702		Astrid Pacini	SW-1

CONSC STN #	LATITUDE DEG	LATITUDE MIN	LONGITUDE DEG	LONGITUDE MIN	DATE (UTC) DAY	DATE (UTC) MO	DATE (UTC) YR	TIME (UTC) HR	TIME (UTC) MIN	BTM DEPTH (m)
31	71	38.47 N	164	38.47 W			17	10		46 m

NISKIN	DEPTH DESIRED (m)	DEPTH ACTUAL (m)	Mordy O2	Cross DIC / TA	Bourbonnais N2O	Bourbonnais N2/Ar	Bourbonnais DiN	Magen CH4	Grebmeier Phyto ID	Mordy Nuts	Mordy Chl	Cooper d18O	Pickart Salts	Collins Genomics	Creamea Particle
1	Bot	42.9			(Jackie)										
2	Bot	42.9													
3	Bot	42.9	✓296	✓					✓	155	138	✓	C14		
4	Bot	42.9			✓	✓	✓								
5	30	31.3		✓					✓	156	139				
6	30	31.7			✓	✓	✓								
7	20	20.0		✓					✓	157	138				
8	20	20.2			✓	✓	✓								
9	10	10.1		✓					✓	158	138				
10	10	10.4			✓	✓	✓								
11	Surf	3.8		✓					✓	159	139	✓			
12	Surf	3.8			✓	✓	✓								
13															
14															
15															
16															
17															
18															
19															
20															
21															
22															
23															
24															

Weather log:

Rosette Notes

Chla max ~35 m

VESSEL	CRUISE ID	STARTING SCAN #	CTD CONSOLE DRIVER	STATION NAME
USCGC Healy	HLY 1702		Astrid Pacini	Southwest

CONSC STN #	LATITUDE DEG	LATITUDE MIN	LONGITUDE DEG	LONGITUDE MIN	DATE (UTC) DAY	DATE (UTC) MO	DATE (UTC) YR	TIME (UTC) HR	TIME (UTC) MIN	BTM DEPTH (m)
032	71	17.48 N	164	22.05 W	02	September	17	13	07	47

NISKIN	DEPTH DESIRED (m)	DEPTH ACTUAL (m)	Mordy O2	Cross DIC / TA	Bourbonnais N2O	Bourbonnais N2/Ar	Bourbonnais DiN	Magen CH4	Grebmeier Phyto ID	Mordy Nuts	Mordy Chl	Cooper d18O	Pickart Salts	Collins Genomics	Creamea Particle
1	bot-2	43.3											C-13		
2	bot-2	43.3													
3															
4															
5															
6															
7															
8															
9															
10															
11															
12															
13															
14															
15															
16															
17															
18															
19															
20															
21															
22															
23															
24															

Weather log:

Rosette Notes

VESSEL	CRUISE ID	STARTING SCAN #	CTD CONSOLE DRIVER	STATION NAME
USCGC Healy	HLY 1702		Astrid Pacini	SW-3

CONSC STN #	LATITUDE DEG	LATITUDE MIN	LONGITUDE DEG	LONGITUDE MIN	DATE (UTC) DAY	DATE (UTC) MO	DATE (UTC) YR	TIME (UTC) HR	TIME (UTC) MIN	BTM DEPTH (m)
33	71	23.58 N	164	05.58 W	02	Sept	17	14	14	46m

NISKIN	DEPTH DESIRED (m)	DEPTH ACTUAL (m)	Mordy O2	Cross DIC / TA	Bourbonnais N2O	Bourbonnais N2/Ar	Bourbonnais DiN	Magen CH4	Grebmeier Phyto ID	Mordy Nuts	Mordy Chl	Cooper d18O	Pickart Salts	Collins Genomics	Creamea Particle
1	Bot	40.7													
2	Bot	41.7													
3	Bot	41.7		✓						160	138	X	C-19		
4	Bot	41.7			✓	✓	✓	✓							
5 *	30	30		✓						161	139				
6	30	30			✓	✓	✓	✓							
7	20	20		✓						162	138				
8	20	20			✓	✓	✓	✓							
9	10	10.1		✓						163	138				
10	10	10.1			✓	✓	✓	✓							
11	Surf	2.9		✓						164	139	X			
12	Surf	2.3			✓	✓	✓	✓							
13															
14															
15															
16															
17															
18															
19															
20															
21															
22															
23															
24															

30 clicked 7 times

Weather log:

→20 m clicked once, manually clicked twice

→10 m, and surface manually clicked twice

Rosette Notes

Chla max ~35-40 m

Not clicking on the computer so not sure if its actually firing

→30 m manually 2 times after clicking

VESSEL	CRUISE ID	STARTING SCAN #	CTD CONSOLE DRIVER	STATION NAME
USCGC Healy	HLY 1702		Astrid Pacini	SW-4

CONSC STN #	LATITUDE DEG	LATITUDE MIN	LONGITUDE DEG	LONGITUDE MIN	DATE (UTC) DAY	DATE (UTC) MO	DATE (UTC) YR	TIME (UTC) HR	TIME (UTC) MIN	BTM DEPTH (m)
034	71	29.65 N	163	48.83 W	02	September	17	16	15	44

NISKIN	DEPTH DESIRED (m)	DEPTH ACTUAL (m)	Mordy O2	Cross DIC / TA	Bourbonnais N2O	Bourbonnais N2/Ar	Bourbonnais DiN	Magen CH4	Grebmeier Phyto ID	Mordy Nuts	Mordy Chl	Cooper d18O	Pickart Salts	Collins Genomics	Creamea Particle
1	bot-2	42											C-20		
2	bot-2	42													
3	rand														
4	rand														
5	rand														
6	rand														
7															
8															
9															
10															
11															
12															
13															
14															
15															
16															
17															
18															
19															
20															
21															
22															
23															
24															

Weather log:

Rosette Notes

VESSEL	CRUISE ID	STARTING SCAN #	CTD CONSOLE DRIVER	STATION NAME
USCGC Healy	HLY 1702		Astrid Pacini	SW-5

CONSC STN #	LATITUDE DEG	LATITUDE MIN	LONGITUDE DEG	LONGITUDE MIN	DATE (UTC) DAY	DATE (UTC) MO	DATE (UTC) YR	TIME (UTC) HR	TIME (UTC) MIN	BTM DEPTH (m)
035	71	35.72 N	163	32.04 W	02	September	17	17	13	43

NISKIN	DEPTH DESIRED (m)	DEPTH ACTUAL (m)	Mordy O2	Cross DIC / TA	Bourbonnais N2O	Bourbonnais N2/Ar	Bourbonnais DiN	Magen CH4	Grebmeier Phyto ID	Mordy Nuts	Mordy Chl	Cooper d18O	Pickart Salts	Collins Genomics	Creamea Particle
1	bot-2	40.2											c-21		
2	bot-2	40.2													
3															
4															
5															
6															
7															
8															
9															
10															
11															
12															
13															
14															
15															
16															
17															
18															
19															
20															
21															
22															
23															
24															

Weather log:

Rosette Notes

VESSEL	CRUISE ID	STARTING SCAN #	CTD CONSOLE DRIVER	STATION NAME
USCGC Healy	HLY 1702		Peigen	SW-6

CONSC STN #	LATITUDE DEG	LATITUDE MIN	LONGITUDE DEG	LONGITUDE MIN	DATE (UTC) DAY	DATE (UTC) MO	DATE (UTC) YR	TIME (UTC) HR	TIME (UTC) MIN	BTM DEPTH (m)
36	71	41.89 N	163	15.54 W	02	Sept	17	18	08	42 m

NISKIN	DEPTH DESIRED (m)	DEPTH ACTUAL (m)	Mordy O2	Cross DIC / TA	Bourbonnais N2O	Bourbonnais N2/Ar	Bourbonnais DiN	Magen CH4	Grebmeier Phyto ID	Mordy Nuts	Mordy Chl	Cooper d18O	Pickart Salts	Collins Genomics	Creamea Particles
1	Bot	38				(JACKIE)									
2	Bot	38													
3	Bot	38		✓				✓		165	138	✓	c22		✓
4	Bot	38			✓	✓	✓							✓	
5	30	30.7		✓				✓		166	139				✓
6	30	30.9			✓	✓	✓							✓	
7	20	20.3		✓				✓		167	138				✓
8	20	20.5			✓	✓	✓							✓	
9	10	10.7		✓				✓		168	138				✓
10	10	10.1			✓	✓	✓							✓	
11	Surf	3.8	✓166	✓				✓		169	139	✓			✓
12	Surf	3.8			✓	✓	✓							✓	
13															
14															
15															
16															
17															
18															
19															
20															
21															
22															
23															
24															

Weather log:

Rosette Notes

Chla max ~31 m

VESSEL	CRUISE ID	STARTING SCAN #	CTD CONSOLE DRIVER	STATION NAME
USCGC Healy	HLY 1702		Pergen Lin	SW-7

CONSC STN #	LATITUDE DEG	LATITUDE MIN	LONGITUDE DEG	LONGITUDE MIN	DATE (UTC) DAY	DATE (UTC) MO	DATE (UTC) YR	TIME (UTC) HR	TIME (UTC) MIN	BTM DEPTH (m)
037	71	47.99 N	162	57.86 W	02	Sep	17	20	43	39

NISKIN	DEPTH DESIRED (m)	DEPTH ACTUAL (m)	Mordy O2	Cross DIC / TA	Bourbonnais N2O	Bourbonnais N2/Ar	Bourbonnais DiN	Magen CH4	Grebmeier Phyto ID	Mordy Nuts	Mordy Chl	Cooper d18O	Pickart Salts	Collins Genomics	Creamea Particle
1	Bot-2	37.1											P2		
2	Bot-2	37.1													
3															
4															
5															
6															
7															
8															
9															
10															
11															
12															
13															
14															
15															
16															
17															
18															
19															
20															
21															
22															
23															
24															

Weather log:

Rosette Notes

VESSEL	CRUISE ID	STARTING SCAN #	CTD CONSOLE DRIVER	STATION NAME
USCGC Healy	HLY 1702		Peigen	SW-8

CONSC STN #	LATITUDE DEG	LATITUDE MIN		LONGITUDE DEG	LONGITUDE MIN		DATE (UTC) DAY	MO	YR	TIME (UTC) HR	MIN	BTM DEPTH (m)
038	71	54.00	N	162	41.06	W	02	Sept	17	21	39	42

NISKIN	DEPTH DESIRED (m)	DEPTH ACTUAL (m)	Mordy O2	Cross DIC / TA	Bourbonnais N2O	Bourbonnais N2/Ar	Bourbonnais DiN	Magen CH4	Grebmeier Phyto ID	Mordy Nuts	Mordy Chl	Cooper d18O	Pickart Salts	Collins Genomics	Creamea Particle
1	Bot	39	—		J	A	C	K	I	E	—				
2	Bot	39	—								—				
3	Bot	39		✓						170	138	✓	D4		✓
4	Bot	39			✓	✓	✓							✓	
5	33	33		✓						171	139				✓
6	33	33			✓	✓	✓							✓	
7	20	20.3		✓						172	138				✓
8	20	20.2			✓	✓	✓							✓	
9	10	10.1		✓						173	138				✓
10	10	10.1			✓	✓	✓								
11	Ø	3.6		✓						174	139	✓			✓
12	Ø	4.7			✓	✓	✓							✓	
13															
14															
15															
16															
17															
18															
19															
20															
21															
22															
23															
24															

SCM

Weather log:

Rosette Notes

VESSEL	CRUISE ID	STARTING SCAN #	CTD CONSOLE DRIVER	STATION NAME
USCGC Healy	HLY 1702		Peigen Lin	SW-9

CONSC STN #	LATITUDE DEG	LATITUDE MIN	LONGITUDE DEG	LONGITUDE MIN	DATE (UTC) DAY	DATE (UTC) MO	DATE (UTC) YR	TIME (UTC) HR	TIME (UTC) MIN	BTM DEPTH (m)
039	72	00.17 N	162	24.13 W	02	Sep	17	23	27	33

NISKIN	DEPTH DESIRED (m)	DEPTH ACTUAL (m)	Mordy O2	Cross DIC / TA	Bourbonnais N2O	Bourbonnais N2/Ar	Bourbonnais DiN	Magen CH4	Grebmeier Phyto ID	Mordy Nuts	Mordy Chl	Cooper d18O	Pickart Salts	Collins Genomics	Creamea Particle
1	Bot-2	30.9											D6		
2	Bot-2	30.9													
3															
4															
5															
6															
7															
8															
9															
10															
11															
12															
13															
14															
15															
16															
17															
18															
19															
20															
21															
22															
23															
24															

Weather log:

Rosette Notes

VESSEL	CRUISE ID	STARTING SCAN #	CTD CONSOLE DRIVER	STATION NAME
USCGC Healy	HLY 1702		Peigen	SW-10

CONSC STN #	LATITUDE DEG	LATITUDE MIN	LONGITUDE DEG	LONGITUDE MIN	DATE (UTC) DAY	DATE (UTC) MO	DATE (UTC) YR	TIME (UTC) HR	TIME (UTC) MIN	BTM DEPTH (m)
04	72	06.26 N	162	06.77 W	03	Sept	17	00	29	27

NISKIN	DEPTH DESIRED (m)	DEPTH ACTUAL (m)	Mordy O2	Cross DIC / TA	Bourbonnais N2O	Bourbonnais N2/Ar	Bourbonnais DiN	Magen CH4	Grebmeier Phyto ID	Mordy Nuts	Mordy Chl	Cooper d18O	Pickart Salts	Collins Genomics	Creamea Particle
1	Bott	24.3	—	—						—	—	—	—		
2	Bott	24.3	—	—	JACKIE					—	—	—	—		
3	Bott	24.3		/				✓		175	139	✓	D8		
4	Bott	24.3			✓	✓	✓							✓	
5	20	20.7		/				✓		176	138				
6	20	20.7			✓	✓	✓							✓	
7	10	10.3		/				✓		177	138				
8	10	10.7			✓	✓	✓							✓	
9	Surf	7.6		/				✓		178	139	✓			
10	Surf	7.4			✓	✓	✓							✓	
11															
12															
13															
14															
15															
16															
17															
18															
19															
20															
21															
22															
23															
24															

Weather log:

Rosette Notes

VESSEL	CRUISE ID	STARTING SCAN #	CTD CONSOLE DRIVER	STATION NAME
USCGC Healy	HLY 1702		Min Li	W-1

CONSC STN #	LATITUDE DEG	LATITUDE MIN		LONGITUDE DEG	LONGITUDE MIN		DATE (UTC) DAY	MO	YR	TIME (UTC) HR	MIN	BTM DEPTH (m)
041	72	06.51	N	162	41.28	W	03	Sep	17	02	43	38

NISKIN	DEPTH DESIRED (m)	DEPTH ACTUAL (m)	Mordy O2	Cross DIC / TA	Bourbonnais N2O	Bourbonnais N2/Ar	Bourbonnais DiN	Magen CH4	Grebmeier Phyto ID	Mordy Nuts	Mordy Chl	Cooper d18O	Pickart Salts	Collins Genomics	Creamea Particle
1	bot-2	36.0											D10		
2	bot-2	35.9													
3															
4															
5															
6															
7															
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Weather log:

Rosette Notes

VESSEL	CRUISE ID	STARTING SCAN #	CTD CONSOLE DRIVER	STATION NAME
USCGC Healy	HLY 1702		Min Li	W-2

CONSC STN #	LATITUDE DEG	LATITUDE MIN	LONGITUDE DEG	LONGITUDE MIN	DATE (UTC) DAY	DATE (UTC) MO	DATE (UTC) YR	TIME (UTC) HR	TIME (UTC) MIN	BTM DEPTH (m)
042	72	07.33 N	163	12.02 W	03	Sept	17	03	4	41

NISKIN	DEPTH DESIRED (m)	DEPTH ACTUAL (m)	Mordy O2	Cross DIC / TA	Bourbonnais N2O	Bourbonnais N2/Ar	Bourbonnais DiN	Magen CH4	Grebmeier Phyto ID	Mordy Nuts	Mordy Chl	Cooper d18O	Pickart Salts	Collins Genomics	Creamea Particle
1	Bot	38.7	—						—						
2	Bot	38.4	—	ANNI					—						
3	Bot	38.5		✓	✓	✓	✓	✓				✓	DIZ		
4	Bot	38.4	—			JACKIE			—						
5	Bot	38.8		/						179	138			✓	
6	Bot	38.6	—		JACKIE				—						
7	30	30.3		/				✓		180	139			✓	
8	30	30			✓	✓	✓								
9	20	20.0		/				✓		181	138			✓	
10	20	20.0			✓	✓	✓								
11	10	9.9		/				✓			138			✓	
12	10	9.9			✓	✓	✓								
13	Ø	3.3		/				✓		182	139	✓		✓	
14	Ø	3.2			✓	✓	✓								
15															
16															
17															
18															
19															
20															
21															
22															
23															
24															

Weather log:

Rosette Notes

VESSEL	CRUISE ID	STARTING SCAN #	CTD CONSOLE DRIVER	STATION NAME
USCGC Healy	HLY 1702		Min Li	W-3

CONSC STN #	LATITUDE DEG	LATITUDE MIN					LONGITUDE DEG	LONGITUDE MIN						DATE (UTC) DAY	DATE (UTC) MO	DATE (UTC) YR		TIME (UTC) HR		TIME (UTC) MIN		BTM DEPTH (m)
043	72	08	.	53	N		163	46	.	70	W			03	Sep	1	7	06		12		39

NISKIN	DEPTH DESIRED (m)	DEPTH ACTUAL (m)	Mordy O2	Cross DIC / TA	Bourbonnais N2O	Bourbonnais N2/Ar	Bourbonnais DiN	Magen CH4	Grebmeier Phyto ID	Mordy Nuts	Mordy Chl	Cooper d18O	Pickart Salts	Collins Genomics	Creamea Particle
1	bot	36.4											D14		
2	bot	36.5													
3															
4															
5															
6															
7															
8															
9															
10															
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22															
23															
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ather log:

Rosette Notes

VESSEL	CRUISE ID	STARTING SCAN #	CTD CONSOLE DRIVER	STATION NAME
USCGC Healy	HLY 1702		Min Li	W-4

CONSC STN #	LATITUDE DEG	LATITUDE MIN	LONGITUDE DEG	LONGITUDE MIN	DATE (UTC) DAY	DATE (UTC) MO	DATE (UTC) YR	TIME (UTC) HR	TIME (UTC) MIN	BTM DEPTH (m)
044	72	12.64 N	164	10.10 W	03	Sept	17	07	16	41

NISKIN	DEPTH DESIRED (m)	DEPTH ACTUAL (m)	Mordy O2	Cross DIC / TA	Bourbonnais N2O	Bourbonnais N2/Ar	Bourbonnais DiN	Magen CH4	Grebmeier Phyto ID	Mordy Nuts	Mordy Chl	Cooper d18O	Pickart Salts	Collins Genomics	Creamean Particles
1	Bot	38.4													
2	Bot	38.4													
3	Bot	38.4		/				✓		183	138	✗		✓	
4	Bot	38.4			✓	✓	✓						D16		✓
5	33	32.2		/				✓		184	138			✓	✓
6	33	32.5			✓	✓	✓								
7	30	29.9		/				✓		185	139			✓	
8	30	29.8			✓	✓	✓								✓
9	20	20		/				✓		186	138			✓	
10	20	20			✓	✓	✓								✓
11	10	10.1		/				✓		187	138			✓	✓
12	10	10.1			✓	✓	✓								
13	0	3.0		/				✓		188	139	✗		✓	✓
14	0	3.6			✓	✓	✓								
15															
16															
17															
18															
19															
20															
21															
22															
23															
24															

SCM

Weather log:

Rosette Notes

VESSEL	CRUISE ID	STARTING SCAN #	CTD CONSOLE DRIVER	STATION NAME
USCGC Healy	HLY 1702		Min Li	W-5

CONSC STN #	LATITUDE DEG	LATITUDE MIN	LONGITUDE DEG	LONGITUDE MIN	DATE (UTC) DAY	DATE (UTC) MO	DATE (UTC) YR	TIME (UTC) HR	TIME (UTC) MIN	BTM DEPTH (m)
045	72	16.93 N	164	32.84 W	03	Sep	17	09	19	45

NISKIN	DEPTH DESIRED (m)	DEPTH ACTUAL (m)	Mordy O2	Cross DIC / TA	Bourbonnais N2O	Bourbonnais N2/Ar	Bourbonnais DiN	Magen CH4	Grebmeier Phyto ID	Mordy Nuts	Mordy Chl	Cooper d18O	Pickart Salts	Collins Genomics	Creamean Particles
1	bot	42.9													
2	bot	43.0											D18		
3															
4															
5															
6															
7															
8															
9															
10															
11															
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20															
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22															
23															
24															

Weather log:

Rosette Notes

VESSEL	CRUISE ID	STARTING SCAN #	CTD CONSOLE DRIVER	STATION NAME
USCGC Healy	HLY 1702		Astrid Pacini	W-76

CONSC STN #	LATITUDE DEG	LATITUDE MIN	LONGITUDE DEG	LONGITUDE MIN	DATE (UTC) DAY	DATE (UTC) MO	DATE (UTC) YR	TIME (UTC) HR	TIME (UTC) MIN	BTM DEPTH (m)
46	72	20.96 N	164	54.78 W	03	Sept	17	10	25	48 m

NISKIN	DEPTH DESIRED (m)	DEPTH ACTUAL (m)	Mordy O2	Cross DIC / TA	Bourbonnais N2O	Bourbonnais N2/Ar	Bourbonnais DiN	Magen CH4	Grebmeier Phyto ID	Mordy Nuts	Mordy Chl	Cooper d18O	Pickart Salts	Collins Genomics	Creamean Particles
1	Bot	45.1				(Jackie)									
2	Bot	45.1													
3	Bot	45.1	✓ 102	✓						189	138	X	D20		
4	Bot	45.1			✓	✓	✓								
5	30	30.1		✓						190	139				
6	30	30.3			✓	✓	✓								
7	20	20.1		✓						191	138				
8	20	20.1			✓	✓	✓								
9	10	10.1		✓						192	138				
10	10	10.2			✓	✓	✓								
11	Surf	3.0		✓						193	139	X			
12	Surf	2.9			✓	✓	✓								
13															
14															
15															
16															
17															
18															
19															
20															
21															
22															
23															
24															

Weather log:

Rosette Notes

Chla max 25-30m

VESSEL	CRUISE ID	STARTING SCAN #	CTD CONSOLE DRIVER	STATION NAME
USCGC Healy	HLY 1702		Astrid Pacini	W-7

CONSC STN #	LATITUDE DEG	LATITUDE MIN	LONGITUDE DEG	LONGITUDE MIN	DATE (UTC) DAY	DATE (UTC) MO	DATE (UTC) YR	TIME (UTC) HR	TIME (UTC) MIN	BTM DEPTH (m)
047	72	25.33 N	165	18.46 W	03	September	17	13	10	50

NISKIN	DEPTH DESIRED (m)	DEPTH ACTUAL (m)	Mordy O2	Cross DIC / TA	Bourbonnais N2O	Bourbonnais N2/Ar	Bourbonnais DiN	Magen CH4	Grebmeier Phyto ID	Mordy Nuts	Mordy Chl	Cooper d18O	Pickart Salts	Collins Genomics	Creamean Particles
1	bot-2	47.1											D-22		
2	bot-2	47.1													
3	halocl.	35.3											D-24		
4	halocl.	35.1	for		Chris								B-2		
5															
6															
7															
8															
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23															
24															

Weather log:

Rosette Notes

VESSEL	CRUISE ID	STARTING SCAN #	CTD CONSOLE DRIVER	STATION NAME
USCGC Healy	HLY 1702		Astrid Pacini	W-8

CONSC STN #	LATITUDE DEG	LATITUDE MIN		LONGITUDE DEG	LONGITUDE MIN		DATE (UTC) DAY	MO	YR	TIME (UTC) HR	MIN	BTM DEPTH (m)
48	72	29.54	N	165	41.23	W	03	Sept	17	14	22	51 m

NISKIN	DEPTH DESIRED (m)	DEPTH ACTUAL (m)	Mordy O2	Cross DIC / TA	Bourbonnais N2O	Bourbonnais N2/Ar	Bourbonnais DiN	Magen CH4	Grebmeier Phyto ID	Mordy Nuts	Mordy Chl	Cooper d18O	Pickart Salts	Collins Genomics	Creamean Particles
1	Bot	48.3													
2	Bot	48.3													
3	Bot	48.3		✓				✓		194	138	✓	B4		
4	Bot	48.3			✓	✓	✓							✓	
5	40	40.2		✓				✓		195	138				
6	40	40.2			✓	✓	✓							✓	
7	30	30.3		✓				✓		196	139				
8	30	30.2			✓	✓	✓							✓	
9	20	20.1		✓				✓		197	138				
10	20	20.1			✓	✓	✓							✓	
11	10	10.1		✓				✓		X	138				
12	10	10.1			✓	✓	✓							✓	
13	Surf	2.8		✓				✓		198	139	✓			
14	Surf	2.9			✓	✓	✓							✓	
15															
16															
17															
18															
19															
20															
21															
22															
23															
24															

Weather log:

Rosette Notes

VESSEL	CRUISE ID	STARTING SCAN #	CTD CONSOLE DRIVER	STATION NAME
USCGC Healy	HLY 1702		Astrid Pacini	W-9

CONSC STN #	LATITUDE DEG	LATITUDE MIN	LONGITUDE DEG	LONGITUDE MIN	DATE (UTC) DAY	DATE (UTC) MO	DATE (UTC) YR	TIME (UTC) HR	TIME (UTC) MIN	BTM DEPTH (m)
049	72	33.71 N	166	03.98 W	03	September	17	16	14	53

NISKIN	DEPTH DESIRED (m)	DEPTH ACTUAL (m)	Mordy O2	Cross DIC / TA	Bourbonnais N2O	Bourbonnais N2/Ar	Bourbonnais DiN	Magen CH4	Grebmeier Phyto ID	Mordy Nuts	Mordy Chl	Cooper d18O	Pickart Salts	Collins Genomics	Creamean Particles
1	bot-2	49.0											B6		
2	bot-2	49.0													
3															
4															
5															
6															
7															
8															
9															
10															
11															
12															
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20															
21															
22															
23															
24															

Weather log:

Rosette Notes

VESSEL	CRUISE ID	STARTING SCAN #	CTD CONSOLE DRIVER	STATION NAME
USCGC Healy	HLY 1702		Astrid Pacini	W-10

CONSC STN #	LATITUDE DEG	LATITUDE MIN	LONGITUDE DEG	LONGITUDE MIN	DATE (UTC) DAY	DATE (UTC) MO	DATE (UTC) YR	TIME (UTC) HR	TIME (UTC) MIN	BTM DEPTH (m)
50	72	38.30 N	166	26.99 W	03	Sept	17	17	19	53 m

NISKIN	DEPTH DESIRED (m)	DEPTH ACTUAL (m)	Mordy O2	Cross DIC / TA	Bourbonnais N2O	Bourbonnais N2/Ar	Bourbonnais DiN	Magen CH4	Grebmeier Phyto ID	Mordy Nuts	Mordy Chl	Cooper d18O	Pickart Salts	Collins Genomics	Creamean Particles
1	Bot	50.1				(JACKIE)									
2	Bot	50.1													
3	Bot	50.1	✓ 69	✓					✓	199	138		B-8		
4	Bot	50.1			✓	✓	✓							✓	
5	40	40.1		✓					✓	200	138				
6	40	40.2			✓	✓	✓							✓	
7	30	30.5		✓					✓	201	139				
8	30	30.4			✓	✓	✓							✓	
9	20	20.3		✓					✓	202	138				
10	20	20.2			✓	✓	✓								
11	10	10.3		✓					✓	203	138				
12	10	10.2			✓	✓	✓								
13	~~0~~	3.3	✓ 91	✓					✓	204	139				
14	~~0~~	2.9			✓	✓	✓							✓	
15															
16															
17															
18															
19															
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22															
23															
24															

Weather log:

Rosette Notes

Chla max ~29m

VESSEL	CRUISE ID	STARTING SCAN #	CTD CONSOLE DRIVER	STATION NAME
USCGC Healy	HLY 1702		Peigen	W-12

CONSC STN #	LATITUDE DEG	LATITUDE MIN		LONGITUDE DEG	LONGITUDE MIN		DATE (UTC) DAY	MO	YR	TIME (UTC) HR	MIN	BTM DEPTH (m)
05	27	252.70	N	166	50.91	W	03	Sept	17	20	06	58

NISKIN	DEPTH DESIRED (m)	DEPTH ACTUAL (m)	Mordy O2	Cross DIC / TA	Bourbonnais N2O	Bourbonnais N2/Ar	Bourbonnais DiN	Magen CH4	Grebmeier Phyto ID	Mordy Nuts	Mordy Chl	Cooper d18O	Pickart Salts	Collins Genomics	Creamean Particles
1	Bot	54	—	—	J	A	C	K	I	E	—	—	—	—	
2	Bot	54	—	—							—	—	—	—	
3	Bot	54		/					✓	205		✓		✓	
4	Bot	54			✓	✓	✓						D14		
5	50	50.2		/					✓		138			✓	
6	50	50.3													
7	40	40.1		/					✓	206	138			✓	
8	40	40.2			✓	✓	✓								
9	30	30.1		/					✓		139			✓	
10	30	30.1			✓	✓	✓								
11	20	20.1		/					✓	207	138			✓	
12	20	20.1			✓	✓	✓								
13	10	10.0		/					✓		138			✓	
14	10	10.1			✓	✓	✓								
15	~~4~~	3.0		/					✓	208	139	✓		✓	
16	~~4~~	2.8			✓	✓	✓								
17															
18															
19															
20															
21															
22															
23															
24															

Weather log:

Rosette Notes

VESSEL	CRUISE ID	STARTING SCAN #	CTD CONSOLE DRIVER	STATION NAME
USCGC Healy	HLY 1702		Min Li	NW-2

CONSC STN #	LATITUDE DEG	LATITUDE MIN	LONGITUDE DEG	LONGITUDE MIN	DATE (UTC) DAY	DATE (UTC) MO	DATE (UTC) YR	TIME (UTC) HR	TIME (UTC) MIN	BTM DEPTH (m)
054	72	58.95 N	163	20.06 W	04	Sep	17	05	13	84

NISKIN	DEPTH DESIRED (m)	DEPTH ACTUAL (m)	Mordy O2	Cross DIC / TA	Bourbonnais N2O	Bourbonnais N2/Ar	Bourbonnais DiN	Magen CH4	Grebmeier Phyto ID	Mordy Nuts	Mordy Chl	Cooper d18O	Pickart Salts	Collins Genomics	Creame Particl
1	bot	79.9											B20		
2	bot	79.9													
3															
4															
5															
6															
7															
8															
9															
10															
11															
12															
13															
14															
15															
16															
17															
18															
19															
20															
21															
22															
23															
24															

Weather log:

Rosette Notes

VESSEL	CRUISE ID	STARTING SCAN #	CTD CONSOLE DRIVER	STATION NAME
USCGC Healy	HLY 1702		Min Li	W-4

CONSC STN #	LATITUDE DEG	LATITUDE MIN	LONGITUDE DEG	LONGITUDE MIN	DATE (UTC) DAY	DATE (UTC) MO	DATE (UTC) YR	TIME (UTC) HR	TIME (UTC) MIN	BTM DEPTH (m)
056	72	51.25 N	163	10.76 W	04	Sept	17	06	41	74

NISKIN	DEPTH DESIRED (m)	DEPTH ACTUAL (m)	Mordy O2	Cross DIC / TA	Bourbonnais N2O	Bourbonnais N2/Ar	Bourbonnais DiN	Magen CH4	Grebmeier Phyto ID	Mordy Nuts	Mordy Chl	Cooper d18O	Pickart Salts	Collins Genomics	Creame Particl
1	Bot	69.4	—	—	JACKIE										
2	Bot	69.3	—	—											
3	Bot	69.4		✓					✓	215		✓	B24		
4	Bot	69.4			✓	✓	✓							✓	
5	50	50.2		✓					✓	216	138				
6	50	50.2			✓	✓	✓							✓	
7	50	50.2	—	—	ANNI/ERIC										
8	50	50.2	—	—											
9	40	40.0		✓					✓		138				
10	40	40.0			✓	✓	✓							✓	
11	30	29.8		✓					✓	217	139				
12	30	30.0			✓	✓	✓							✓	
13	20	20.1		✓					✓		138				
14	20	19.9			✓	✓	✓							✓	
✓ 15	10	10.0		✓					✓	~~218~~	138				
16	10	10.0			✓	✓	✓			218	138			✓	
17	Ø	2.4		✓					✓	219	139	✓			
18	Ø	2.5			✓	✓	✓							✓	
19															
20															
21															
22															
23															
24															

Weather log:

Rosette Notes

15 did not close on the bottom

VESSEL	CRUISE ID	STARTING SCAN #	CTD CONSOLE DRIVER	STATION NAME
USCGC Healy	HLY 1702		Min Le	NW-6

CONSC STN #	LATITUDE DEG	LATITUDE MIN		LONGITUDE DEG	LONGITUDE MIN		DATE (UTC) DAY	MO	YR	TIME (UTC) HR	MIN	BTM DEPTH (m)
58	72	43.6	N	162	58.6	W	04	Sept	17	09	26	58m

NISKIN	DEPTH DESIRED (m)	DEPTH ACTUAL (m)	Mordy O2	Cross DIC / TA	Bourbonnais N2O	Bourbonnais N2/Ar	Bourbonnais DiN	Magen CH4	Grebmeier Phyto ID	Mordy Nuts	Mordy Chl	Cooper d18O	Pickart Salts	Collins Genomics	Creame Particl
1	Bot	5.3		(Jackie)											
2	Bot	53													
3	Bot	53		✓						220	138	X	D3		
4	Bot	53													
5	40	40		✓						221	138				
6	40	39.9													
7	30	30.1		✓						222	139				
8	30	30.2													
9	20	20.1		✓						223	138				
10	20	20.0													
11	10	10.18		✓						X	138				
12	10	10.13													
13	0	2.7		✓						224	139	X			
14	0	2.5													
15															
16															
17															
18															
19															
20															
21															
22															
23															
24															

Weather log:

Rosette Notes

Chla max 45m

VESSEL	CRUISE ID	STARTING SCAN #	CTD CONSOLE DRIVER	STATION NAME
USCGC Healy	HLY 1702		Astrid Pacini	NW-7

CONSC STN #	LATITUDE DEG	LATITUDE MIN	LONGITUDE DEG	LONGITUDE MIN	DATE (UTC) DAY	DATE (UTC) MO	DATE (UTC) YR	TIME (UTC) HR	TIME (UTC) MIN	BTM DEPTH (m)
59	72	36.11 N	162	49.18 W	04	September	17	11	49	43

NISKIN	DEPTH DESIRED (m)	DEPTH ACTUAL (m)	Mordy O2	Cross DIC / TA	Bourbonnais N2O	Bourbonnais N2/Ar	Bourbonnais DiN	Magen CH4	Grebmeier Phyto ID	Mordy Nuts	Mordy Chl	Cooper d18O	Pickart Salts	Collins Genomics	Creame Particl
1															
2															
3															
4															
5															
6															
7															
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23															
24															

Weather log:

Rosette Notes

VESSEL	CRUISE ID	STARTING SCAN #	CTD CONSOLE DRIVER	STATION NAME
USCGC Healy	HLY 1702		Astrid Pacini	NW-8

CONSC STN #	LATITUDE DEG	LATITUDE MIN		LONGITUDE DEG	LONGITUDE MIN		DATE (UTC) DAY	MO	YR	TIME (UTC) HR	MIN	BTM DEPTH (m)
60	72	28.61	N	162	38.26	W	04	Sept	17	13	14	42 m

NISKIN	DEPTH DESIRED (m)	DEPTH ACTUAL (m)	Mordy O2	Cross DIC / TA	Bourbonnais N2O	Bourbonnais N2/Ar	Bourbonnais DiN	Magen CH4	Grebmeier Phyto ID	Mordy Nuts	Mordy Chl	Cooper d18O	Pickart Salts	Collins Genomics	Creame Particl
1	Bot	38.5			Jackie										
2	Bot	38.5													
3	Bot	38.5		✓				X		✓225	138	X			✓
4	Bot	38.5			✓	✓	✓								
5	30	29.8		✓				X		✓226	139				✓
6	30	29.7			✓	✓	✓								
7	20	20.2		✓				X		✓227	138				✓
8	20	20.3			✓	✓	✓								
9	10	9.8		✓				X			138				✓
10	10	9.9			✓	✓	✓								
11	Ø	3.0		✓				X		✓228	139	X			✓
12	Ø	2.7			✓	✓	✓								
13															
14															
15															
16															
17															
18															
19															
20															
21															
22															
23															
24															

Weather log:

Rosette Notes

Chl a max ~28 m

VESSEL	CRUISE ID	STARTING SCAN #	CTD CONSOLE DRIVER	STATION NAME
USCGC Healy	HLY 1702		Astrid Pacini	NW-10

CONSC STN #	LATITUDE DEG	LATITUDE MIN	LONGITUDE DEG	LONGITUDE MIN	DATE (UTC) DAY	DATE (UTC) MO	DATE (UTC) YR	TIME (UTC) HR	TIME (UTC) MIN	BTM DEPTH (m)
061	72	21.16 N	162	28.36 W	04	September	17	1526		40

NISKIN	DEPTH DESIRED (m)	DEPTH ACTUAL (m)	Mordy O2	Cross DIC / TA	Bourbonnais N2O	Bourbonnais N2/Ar	Bourbonnais DiN	Magen CH4	Grebmeier Phyto ID	Mordy Nuts	Mordy Chl	Cooper d18O	Pickart Salts	Collins Genomics	Creame Particl
1															
2															
3															
4															
5															
6															
7															
8															
9															
10															
11															
12															
13															
14															
15															
16															
17															
18															
19															
20															
21															
22															
23															
24															

Weather log:

Rosette Notes

VESSEL	CRUISE ID	STARTING SCAN #	CTD CONSOLE DRIVER	STATION NAME
USCGC Healy	HLY 1702		Astrid Pacini	NW-10

CONSC STN #	LATITUDE DEG	LATITUDE MIN	LONGITUDE DEG	LONGITUDE MIN	DATE (UTC) DAY	DATE (UTC) MO	DATE (UTC) YR	TIME (UTC) HR	TIME (UTC) MIN	BTM DEPTH (m)
62	72	15.75 N	162	18.51 W	04	Sept	17	16	30	37 m

NISKIN	DEPTH DESIRED (m)	DEPTH ACTUAL (m)	Mordy O2	Cross DIC / TA	Bourbonnais N2O	Bourbonnais N2/Ar	Bourbonnais DiN	Magen CH4	Grebmeier Phyto ID	Mordy Nuts	Mordy Chl	Cooper d18O	Pickart Salts	Collins Genomics	Creame Particl
1	Bot	33.8													
2	Bot	33.8													
3	Bot	33.8		✓				✓		229	139	✓			
4	Bot	33.8			✓	✓	✓								
5	20	19.6		✓				✓		230	138				
6	20	20.2			✓	✓	✓								
7	10	9.9		✓				✓		231	138				
8	10	9.9			✓	✓	✓								
9	Surf	3.6	✓ 147	✓				✓		232	139	✓			
10	Surf	3.3			✓	✓	✓								
11	Surf	3.7													
12															
13															
14															
15															
16															
17															
18															
19															
20															
21															
22															
23															
24															

Weather log:

Rosette Notes

Chla max ~28 m

VESSEL	CRUISE ID	STARTING SCAN #	CTD CONSOLE DRIVER	STATION NAME
USCGC Healy	HLY 1702		Peigen Lin	NNE-1

CONSC STN #	LATITUDE DEG	LATITUDE MIN	LONGITUDE DEG	LONGITUDE MIN	DATE (UTC) DAY	DATE (UTC) MO	DATE (UTC) YR	TIME (UTC) HR	TIME (UTC) MIN	BTM DEPTH (m)
063	72	13.84 N	16	56.65 W	04	September	17	18	07	36

NISKIN	DEPTH DESIRED (m)	DEPTH ACTUAL (m)	Mordy O2	Cross DIC / TA	Bourbonnais N2O	Bourbonnais N2/Ar	Bourbonnais DiN	Magen CH4	Grebmeier Phyto ID	Mordy Nuts	Mordy Chl	Cooper d18O	Pickart Salts	Collins Genomics	Creame Particl
1															
2															
3															
4															
5															
6															
7															
8															
9															
10															
11															
12															
13															
14															
15															
16															
17															
18															
19															
20															
21															
22															
23															
24															

Weather log:

Rosette Notes

VESSEL	CRUISE ID	STARTING SCAN #	CTD CONSOLE DRIVER	STATION NAME
USCGC Healy	HLY 1702		Pergen Lin	NNW-2

CONSC STN #	LATITUDE DEG	LATITUDE MIN		LONGITUDE DEG	LONGITUDE MIN		DATE (UTC) DAY	MO	YR	TIME (UTC) HR	MIN	BTM DEPTH (m)
064	72	20.97	N	161	44.72	W	04	Sep	17	19	04	42

NISKIN	DEPTH DESIRED (m)	DEPTH ACTUAL (m)	Mordy O2	Cross DIC / TA	Bourbonnais N2O	Bourbonnais N2/Ar	Bourbonnais DiN	Magen CH4	Grebmeier Phyto ID	Mordy Nuts	Mordy Chl	Cooper d18O	Pickart Salts	Collins Genomics	Creame Particl
1															
2															
3															
4															
5															
6															
7															
8															
9															
10															
11															
12															
13															
14															
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16															
17															
18															
19															
20															
21															
22															
23															
24															

Weather log:

Rosette Notes

VESSEL	CRUISE ID	STARTING SCAN #	CTD CONSOLE DRIVER	STATION NAME
USCGC Healy	HLY 1702		Peigen	NNE-3

CONSC STN #	LATITUDE DEG	LATITUDE MIN	LONGITUDE DEG	LONGITUDE MIN	DATE (UTC) DAY	DATE (UTC) MO	DATE (UTC) YR	TIME (UTC) HR	TIME (UTC) MIN	BTM DEPTH (m)
065	72	28.14 N	161	32.98 W	04	Sept	17	20	61	45

NISKIN	DEPTH DESIRED (m)	DEPTH ACTUAL (m)	Mordy O2	Cross DIC / TA	Bourbonnais N2O	Bourbonnais N2/Ar	Bourbonnais DiN	Magen CH4	Grebmeier Phyto ID	Mordy Nuts	Mordy Chl	Cooper d18O	Pickart Salts	Collins Genomics	Creame Particl
1	Bot	43	—	J	A	C	K	I	E	—					
2	Bot	43	—							—					
3	Bot	43		—						233	138				
4	Bot	43										✓			
5	30	30.6		—						234	139				
6	30	30.7													
7	20	20.2		—						235	138				
8	20	20.3													
9	10	10.4		—						236	138				
10	10	10.5										✓			
11	0	2.0		—						—	139				
12	0	2.9													
13															
14															
15															
16															
17															
18															
19															
20															
21															
22															
23															
24															

Weather log:

Rosette Notes

VESSEL	CRUISE ID	STARTING SCAN #	CTD CONSOLE DRIVER	STATION NAME
USCGC Healy	HLY 1702		Peigen	NNE-4

CONSC STN #	LATITUDE DEG	LATITUDE MIN		LONGITUDE DEG	LONGITUDE MIN		DATE (UTC) DAY	MO	YR	TIME (UTC) HR	MIN	BTM DEPTH (m)
0616	72	35.65	N	161	21.23	W	04	Sept	17	21	35	47

NISKIN	DEPTH DESIRED (m)	DEPTH ACTUAL (m)	Mordy O2	Cross DIC / TA	Bourbonnais N2O	Bourbonnais N2/Ar	Bourbonnais DiN	Magen CH4	Grebmeier Phyto ID	Mordy Nuts	Mordy Chl	Cooper d18O	Pickart Salts	Collins Genomics	Creame Particl
1	Bot	43	—	JACK				IE		—					
2	Bot	43	—							—					
3	Bot	43						✓				✓			
4	Bot	43			✓	✓	✓								
5	Bot	43		✓						237	138				
6	40	40.1			✓	✓	✓								
7	40	40.1		✓				✓			138				
8	37	37.3			✓	✓	✓								
9	37	37.3		✓				✓			138				
10	30	30.4			✓	✓	✓								
11	30	30.4		✓				✓		238	139				
12	20	20.1			✓	✓	✓								
13	20	20.0		✓				✓			138				
14	10	10.3			✓	✓	✓								
15	10	10.3		✓				✓		239	138				
16	~~0~~	2.5			✓	✓	✓								
17	~~0~~	2.6		✓				✓		240	139	✓			
18															
19															
20															
21															
22															
23															
24															

SCM

Weather log:

Rosette Notes

VESSEL	CRUISE ID	STARTING SCAN #	CTD CONSOLE DRIVER	STATION NAME
USCGC Healy	HLY 1702		Peigen Lin	NNW-5

CONSC STN #	LATITUDE DEG	LATITUDE MIN				LONGITUDE DEG	LONGITUDE MIN				DATE (UTC) DAY	MO	YR	TIME (UTC) HR	MIN	BTM DEPTH (m)
067	72	42	.	78	N	161	09	.	73	W	05	Sep	17	20	04	50

NISKIN	DEPTH DESIRED (m)	DEPTH ACTUAL (m)	Mordy O2	Cross DIC / TA	Bourbonnais N2O	Bourbonnais N2/Ar	Bourbonnais DiN	Magen CH4	Grebmeier Phyto ID	Mordy Nuts	Mordy Chl	Cooper d18O	Pickart Salts	Collins Genomics	Creame Particl
1	Bot-2	48											D5		
2	Bot-2	48													
3															
4															
5															
6															
7															
8															
9															
10															
11															
12															
13															
14															
15															
16															
17															
18															
19															
20															
21															
22															
23															
24															

Weather log:

Rosette Notes

VESSEL	CRUISE ID	STARTING SCAN #	CTD CONSOLE DRIVER	STATION NAME
USCGC Healy	HLY 1702		Peigen	NNE-6

CONSC STN #	LATITUDE DEG	LATITUDE MIN	LONGITUDE DEG	LONGITUDE MIN	DATE (UTC) DAY	DATE (UTC) MO	DATE (UTC) YR	TIME (UTC) HR	TIME (UTC) MIN	BTM DEPTH (m)
068	72	50.02 N	160	57.82 W	05	Sept	17	01	08	54

NISKIN	DEPTH DESIRED (m)	DEPTH ACTUAL (m)	Mordy O2	Cross DIC / TA	Bourbonnais N2O	Bourbonnais N2/Ar	Bourbonnais DiN	Magen CH4	Grebmeier Phyto ID	Mordy Nuts	Mordy Chl	Cooper d18O	Pickart Salts	Collins Genomics	Creame Particl
1	Bot	51.3													
2	Bot	51.3													
3	Bot	51.3		✓						✓	138		D-7		
4	Bot	51.3													
5	40	40.3		✓							138				
6	40	40.4													
7	30	30.3		✓						✓	139				
8	30	30.6													
9	20	20.5		✓							138				
10	20	20.4													
11	10	10.2		✓						✓	138				
12	10	10.3													
13	0	2.7		✓						✓	139				
14	0	2.8													
15															
16															
17															
18															
19															
20															
21															
22															
23															
24															

JACKIE

Weather log:

Rosette Notes

VESSEL	CRUISE ID	STARTING SCAN #	CTD CONSOLE DRIVER	STATION NAME
USCGC Healy	HLY 1702		Min Li	NNE-7

CONSC STN #	LATITUDE DEG	LATITUDE MIN		LONGITUDE DEG	LONGITUDE MIN		DATE (UTC) DAY	MO	YR	TIME (UTC) HR	MIN	BTM DEPTH (m)
069	72	53.87	N	160	52.21	W	05	Sep	17	02	51	57

NISKIN	DEPTH DESIRED (m)	DEPTH ACTUAL (m)	Mordy O2	Cross DIC / TA	Bourbonnais N2O	Bourbonnais N2/Ar	Bourbonnais DiN	Magen CH4	Grebmeier Phyto ID	Mordy Nuts	Mordy Chl	Cooper d18O	Pickart Salts	Collins Genomics	Creame Particl
1	bot	54.2											D9		
2	bot	54.0													
3															
4															
5															
6															
7															
8															
9															
10															
11															
12															
13															
14															
15															
16															
17															
18															
19															
20															
21															
22															
23															
24															

Weather log:

Rosette Notes

VESSEL	CRUISE ID	STARTING SCAN #	CTD CONSOLE DRIVER	STATION NAME
USCGC Healy	HLY 1702		MinLi	NNE 8

CONSC STN #	LATITUDE DEG	LATITUDE MIN		LONGITUDE DEG	LONGITUDE MIN		DATE (UTC) DAY	MO	YR	TIME (UTC) HR	MIN	BTM DEPTH (m)
070	72	57.38	N	160	45.07	W	05	Sept	17	03	32	72

NISKIN	DEPTH DESIRED (m)	DEPTH ACTUAL (m)	Mordy O2	Cross DIC / TA	Bourbonnais N2O	Bourbonnais N2/Ar	Bourbonnais DiN	Magen CH4	Grebmeier Phyto ID	Mordy Nuts	Mordy Chl	Cooper d18O	Pickart Salts	Collins Genomics	Creame Particl
1	Bot	68.9	—	—	J	A	C	K	I	E	—	—	—	—	
2	Bot	68.9	—	—	—	—	—	—	—	—	—	—	—	—	
3	Bot	68.9		✓						245		✓	D11		✓
4	Bot	68.9			✓	✓	✓							✓	✓
5	50	50.7		✓						246	138				
6	50	50.5			✓	✓	✓							✓	✓
7	40	40.0		✓							138				
8	40	40.0			✓	✓	✓							✓	✓
9	30	30.2		✓						247	139				
10	30	30.3			✓	✓	✓							✓	✓
11	20	20.1		✓							138				✓
12	20	20.0			✓	✓	✓							✓	✓
13	10	10.1		✓						248	138				✓
14	10	10.1			✓	✓	✓								✓
15	0	2.5		✓						249	139	✓			
16	0	2.6			✓	✓	✓							✓	✓
17															
18															
19															
20															
21															
22															
23															
24															

Weather log:

Rosette Notes

VESSEL	CRUISE ID	STARTING SCAN #	CTD CONSOLE DRIVER	STATION NAME
USCGC Healy	HLY 1702		Min Li	NNE-9

CONSC STN #	LATITUDE DEG	LATITUDE MIN		LONGITUDE DEG	LONGITUDE MIN		DATE (UTC) DAY	MO	YR	TIME (UTC) HR	MIN	BTM DEPTH (m)
071	73	00.84	N	160	39.65	W	05	Sep	17	05	05	144

NISKIN	DEPTH DESIRED (m)	DEPTH ACTUAL (m)	Mordy O2	Cross DIC / TA	Bourbonnais N2O	Bourbonnais N2/Ar	Bourbonnais DiN	Magen CH4	Grebmeier Phyto ID	Mordy Nuts	Mordy Chl	Cooper d18O	Pickart Salts	Collins Genomics	Creame Particl
1	bot	133.5											D13		
2	bot	133.5													
3															
4															
5															
6															
7															
8															
9															
10															
11															
12															
13															
14															
15															
16															
17															
18															
19															
20															
21															
22															
23															
24															

Weather log:

Rosette Notes

VESSEL	CRUISE ID	STARTING SCAN #	CTD CONSOLE DRIVER	STATION NAME
USCGC Healy	HLY 1702		Min Li	NNE-10

CONSC STN #	LATITUDE DEG	LATITUDE MIN	LONGITUDE DEG	LONGITUDE MIN	DATE (UTC) DAY	DATE (UTC) MO	DATE (UTC) YR	TIME (UTC) HR	TIME (UTC) MIN	BTM DEPTH (m)
072	73	04.80 N	160	33.37 W	05	Sept	17	05	48	193

NISKIN	DEPTH DESIRED (m)	DEPTH ACTUAL (m)	Mordy O2	Cross DIC / TA	Bourbonnais N2O	Bourbonnais N2/Ar	Bourbonnais DiN	Magen CH4	Grebmeier Phyto ID	Mordy Nuts	Mordy Chl	Cooper d18O	Pickart Salts	Collins Genomics	Creame Particl
1	Bot	186													
2	Bot	186											D15		
3	Bot	186		✓				✓		250		✓			
4	Bot	186			✓	✓	✓							✓	
5	150	150		✓				✓							
6	150	150			✓	✓	✓								
7	125	125.3		✓											
8	125	125.3			✓	✓	✓							✓	
9	100	100		✓				✓		251					
10	100	100			✓	✓	✓							✓	
11	75	74.9		✓											
12	75	75.0			✓	✓	✓								
13	50	50.0		✓				✓		252	138				
14	50	50.0			✓	✓	✓							✓	
15	30	30.0		✓				✓		253	139				
16	30	30.0			✓	✓	✓								
17	20	20.5		✓				✓			138				
18	20	20.5			✓	✓	✓							✓	
19	10	10.6		✓				✓		254	138				
20	10	9.6			✓	✓	✓								
21	0	2.5		✓				✓		255	139	✓			✓
22	0	2.4			✓	✓	✓							✓	
23															
24															

Weather log:

Rosette Notes

VESSEL	CRUISE ID	STARTING SCAN #	CTD CONSOLE DRIVER	STATION NAME
USCGC Healy	HLY 1702		Min Li	

CONSC STN #	LATITUDE DEG	LATITUDE MIN	LONGITUDE DEG	LONGITUDE MIN	DATE (UTC) DAY	DATE (UTC) MO	DATE (UTC) YR	TIME (UTC) HR	TIME (UTC) MIN	BTM DEPTH (m)
073		. N		. W			17			257

NISKIN	DEPTH DESIRED (m)	DEPTH ACTUAL (m)	Mordy O2	Cross DIC / TA	Bourbonnais N2O	Bourbonnais N2/Ar	Bourbonnais DiN	Magen CH4	Grebmeier Phyto ID	Mordy Nuts	Mordy Chl	Cooper d18O	Pickart Salts	Collins Genomics	Creamean Particles
1	bot	255.6													
2	bot	255.6											D17		
3															
4															
5															
6															
7															
8															
9															
10															
11															
12															
13															
14															
15															
16															
17															
18															
19															
20															
21															
22															
23															
24															

Weather log:

Rosette Notes

VESSEL	CRUISE ID	STARTING SCAN #	CTD CONSOLE DRIVER	STATION NAME
USCGC Healy	HLY 1702		Min Li	NNE-12

CONSC STN #	LATITUDE DEG	LATITUDE MIN	LONGITUDE DEG	LONGITUDE MIN	DATE (UTC) DAY	DATE (UTC) MO	DATE (UTC) YR	TIME (UTC) HR	TIME (UTC) MIN	BTM DEPTH (m)
74	73	11.74 N	160	20.05 W	05	Sept	17	09	16	352 m

NISKIN	DEPTH DESIRED (m)	DEPTH ACTUAL (m)	Mordy O2	Cross DIC / TA	Bourbonnais N2O	Bourbonnais N2/Ar	Bourbonnais DiN	Magen CH4	Grebmeier Phyto ID	Mordy Nuts	Mordy Chl	Cooper d18O	Pickart Salts	Collins Genomics	Creamean Particles
1	Bot	343.4		✓						✓256		✓	D-19		
2	Bot	343.48			✓	✓	✓								
3	200	203.5	✓212	✓						✓257					
4	200	205.3			✓	✓	✓								
5	160	161.33		—								✓		✓	
6	160	166.[illegible]			✓	✓	✓					✓		✓	
7	160	166.83		—								✓			
8	150	149.8			✓	✓	✓					✓		✓	
9	150	151.5		✓						✓258		✓			
10	150	152.2										✓			
11	140	140.0		—								✓			
12	140	141.0			✓	✓	✓					✓		✓	
13	140	141.8		✓								✓			
14	100	100.5			✓	✓	✓								
15	100	100.5		✓						✓259					
16	75	75.1			✓	✓	✓								
17	75	75.2		✓											
18	50	50.0		✓	✓	✓	✓			✓260	138				
19	40	40.1		✓							138				
20	30	29.9		✓	✓	✓	✓			✓261	139			✓	
21	20	19.9		✓							138				
22	10	10.1		✓	✓	✓	✓			✓262	138				
23	Surf	2.4		✓						✓263	139	✓		✓	
~~24~~															

Weather log:

Rosette Notes

(Bottle in position 20/21 that is labeled 14 is out of ~~order~~ order)

Chla max ~25m

Only 23 bottles able to trip

VESSEL	CRUISE ID	STARTING SCAN #	CTD CONSOLE DRIVER	STATION NAME
USCGC Healy	HLY 1702		Astrid Pacini	NNE - 13

CONSC STN #	LATITUDE DEG	LATITUDE MIN	LONGITUDE DEG	LONGITUDE MIN	DATE (UTC) DAY	DATE (UTC) MO	DATE (UTC) YR	TIME (UTC) HR	TIME (UTC) MIN	BTM DEPTH (m)
075	73	15.36 N	160	13.31 W	09	September	17	12	30	650

NISKIN	DEPTH DESIRED (m)	DEPTH ACTUAL (m)	Mordy O2	Cross DIC / TA	Bourbonnais N2O	Bourbonnais N2/Ar	Bourbonnais DiN	Magen CH4	Grebmeier Phyto ID	Mordy Nuts	Mordy Chl	Cooper d18O	Pickart Salts	Collins Genomics	Creamean Particles
1	bot-2	645											D21		
2	bot-2	645													
3															
4															
5															
6															
7															
8															
9															
10															
11															
12															
13															
14															
15															
16															
17															
18															
19															
20															
21															
22															
23															
24															

Weather log:

Rosette Notes

VESSEL	CRUISE ID	STARTING SCAN #	CTD CONSOLE DRIVER	STATION NAME
USCGC Healy	HLY 1702		Astrid Pacin	NNE-14

CONSC STN #	LATITUDE DEG	LATITUDE MIN	LONGITUDE DEG	LONGITUDE MIN	DATE (UTC) DAY	DATE (UTC) MO	DATE (UTC) YR	TIME (UTC) HR	TIME (UTC) MIN	BTM DEPTH (m)
76	73	17.99 N	160	63.28 W	04	Sept	17	14	00	1250

NISKIN	DEPTH DESIRED (m)	DEPTH ACTUAL (m)	Mordy O2	Cross DIC / TA	Bourbonnais N2O	Bourbonnais N2/Ar	Bourbonnais DiN	Magen CH4	Grebmeier Phyto ID	Mordy Nuts	Mordy Chl	Cooper d18O	Pickart Salts	Collins Genomics	Creamean Particles
1	Bot	1247			JACK									✓	
2	Bot	1247		✓	✓	✓	✓			264			D23	✓	
3	1000	1005		✓						265			B1		
4	1000	1005			✓	✓	✓								
5	500	509		✓						266			B3		
6	500	509			✓	✓	✓								
7	310	320		✓						267			B5	✓	
8	310	324			✓	✓	✓							✓	
9	170	175	88	✓						268			B7		
10	170	175			✓	✓	✓								
11	100	101		✓						269			B9		
12	100	101			✓	✓	✓								✓
13	50	50.3		✓						270	138				
14	50	50.4			✓	✓	✓								✓
15	40	40		✓							138				
16	40	39.9													✓
17	30	29.9		✓						271	139				
18	30	30.0			✓	✓	✓								✓
19	20	19.8		✓							138				
20	20	19.7													✓
21	10	10.3		✓							138				
22	10	10.2			✓	✓	✓								✓
23	0	3.7	190	✓						272	139		B11		
24	0	3.5													✓

O2 min

Tmin

Weather log:

Rosette Notes

Chla Max ~60 m 260 m

Tmin = ~170 m O2 Min = ~

VESSEL	CRUISE ID	STARTING SCAN #	CTD CONSOLE DRIVER	STATION NAME
USCGC Healy	HLY 1702		Peigen Lin	NN-15

CONSC STN #	LATITUDE DEG	LATITUDE MIN	LONGITUDE DEG	LONGITUDE MIN	DATE (UTC) DAY	DATE (UTC) MO	DATE (UTC) YR	TIME (UTC) HR	TIME (UTC) MIN	BTM DEPTH (m)
77	73	22.31 N	160	01.61 W	05	September	17	2019		1494

NISKIN	DEPTH DESIRED (m)	DEPTH ACTUAL (m)	Mordy O2	Cross DIC / TA	Bourbonnais N2O	Bourbonnais N2/Ar	Bourbonnais DiN	Magen CH4	Grebmeier Phyto ID	Mordy Nuts	Mordy Chl	Cooper d18O	Pickart Salts	Collins Genomics	Creamean Particles
1	500														
2	500														
3															
4															
5															
6															
7															
8															
9															
10															
11															
12															
13															
14															
15															
16															
17															
18															
19															
20															
21															
22															
23															
24															

Weather log:

Rosette Notes

VESSEL	CRUISE ID	STARTING SCAN #	CTD CONSOLE DRIVER	STATION NAME
USCGC Healy	HLY 1702		Pengen Lin	NNE-1

CONSC STN #	LATITUDE DEG	LATITUDE MIN	LONGITUDE DEG	LONGITUDE MIN	DATE (UTC) DAY	DATE (UTC) MO	DATE (UTC) YR	TIME (UTC) HR	TIME (UTC) MIN	BTM DEPTH (m)
078	73	10.64 N	154	56.95 W	05	Sep	17	23	50	1761

NISKIN	DEPTH DESIRED (m)	DEPTH ACTUAL (m)	Mordy O2	Cross DIC / TA	Bourbonnais N2O	Bourbonnais N2/Ar	Bourbonnais DiN	Magen CH4	Grebmeier Phyto ID	Mordy Nuts	Mordy Chl	Cooper d18O	Pickart Salts	Collins Genomics	Creamean Particles
1	500	500.2		/						273					
2	500	500.2											B-13		
3	350	350.8		/						274					
4	350	350.8													
5	200	200		/						275					
6	200	200													
7	150	150.6		/						276					
8	150	150.5													
9	100	101		/						277					
10	100	101													
11	75	75.6		/						278					
12	75	75.6													
13	50	49.9		/						279	138				
14	50	50.0													
15	30	29.7		/						280	139				
16	30	29.8													
17	20	20.5		/							138				
18	20	20.6													
19	10	10.3		/							138				
20	10	10.3													
21	0	2.2		/						281	139				
22	0	2.3													
23															
24															

Weather log:

Rosette Notes

VESSEL	CRUISE ID	STARTING SCAN #	CTD CONSOLE DRIVER	STATION NAME
USCGC Healy	HLY 1702		Pengen Lin	NNE-17

CONSC STN #	LATITUDE DEG	LATITUDE MIN	LONGITUDE DEG	LONGITUDE MIN	DATE (UTC) DAY	DATE (UTC) MO	DATE (UTC) YR	TIME (UTC) HR	TIME (UTC) MIN	BTM DEPTH (m)
079	73	30.24 N	159	50.03 W	06	Sep	17	01	37	2052

NISKIN	DEPTH DESIRED (m)	DEPTH ACTUAL (m)	Mordy O2	Cross DIC / TA	Bourbonnais N2O	Bourbonnais N2/Ar	Bourbonnais DiN	Magen CH4	Grebmeier Phyto ID	Mordy Nuts	Mordy Chl	Cooper d18O	Pickart Salts	Collins Genomics	Creamean Particles
1	~~X~~														
2	500												B-17		
3	500														
4	430														
5	410														
6															
7															
8															
9															
10															
11															
12															
13															
14															
15															
16															
17															
18															
19															
20															
21															
22															
23															
24															

Weather log:

Rosette Notes

VESSEL	CRUISE ID	STARTING SCAN #	CTD CONSOLE DRIVER	STATION NAME
USCGC Healy	HLY 1702		MinLi	NNE-18

CONSC STN #	LATITUDE DEG	LATITUDE MIN	LONGITUDE DEG	LONGITUDE MIN	DATE (UTC) DAY	DATE (UTC) MO	DATE (UTC) YR	TIME (UTC) HR	TIME (UTC) MIN	BTM DEPTH (m)
080	73	33.74 N	159	42.59 W	06	Sept	17	02	55	2281

NISKIN	DEPTH DESIRED (m)	DEPTH ACTUAL (m)	Mordy O2	Cross DIC / TA	Bourbonnais N2O	Bourbonnais N2/Ar	Bourbonnais DiN	Magen CH4	Grebmeier Phyto ID	Mordy Nuts	Mordy Chl	Cooper d18O	Pickart Salts	Collins Genomics	Creamean Particles
1	Bot	2207	~~179~~	/				✓		282		✓	B1		
2	Bot	2207			✓	✓	✓							✓	
3	1800	1800	~~208~~	/						283		✓	B2		
4	1800	1800			✓	✓	✓							✓	
5	1000	1000	~~127~~	/				✓		284		✓	B3		
6	1000	1000			✓	✓	✓							✓	
7	750	749.5	350	/						285		✓	B4		
8	750	749.7			✓	✓	✓							✓	
9	500	500	347	/						286		✓	B5		
10	500	500			✓	✓	✓							✓	
11	300	299.9		/				✓		287		✓	B6		
12	300	299.7			✓	✓	✓							✓	
13	200	200	222	/				✓		288		✓	B7		
14	200	200.1			✓	✓	✓							✓	
~~15~~	~~125~~	~~125.3~~		/				✓							
16	125	125.3		/	✓	✓	✓	✓		289		✓	B8	✓	✓
17	50	50.0		/				✓		290	138	✓	B9		
18	50	50.0			✓	✓	✓							✓	✓
19	30	29.8		/	✓	✓	✓			291	139	✓	B10		✓
20	20	20.1			✓	✓	✓				~~138~~				✓
21	20	19.9		/				✓			138	✓	B11		
22	10	10.2		/	✓	✓	✓			292	138				✓
23	0	24	~~224~~	/				✓		293	139	✓	B12		
24	0	27			✓	✓	✓				~~24~~			✓	✓

Weather log:

Rosette Notes

Bottom of 15 didn't close

VESSEL	CRUISE ID	STARTING SCAN #	CTD CONSOLE DRIVER	STATION NAME
USCGC Healy	HLY 1702		Min Li	NNE-19

CONSC STN #	LATITUDE DEG	LATITUDE MIN	LONGITUDE DEG	LONGITUDE MIN	DATE (UTC) DAY	DATE (UTC) MO	DATE (UTC) YR	TIME (UTC) HR	TIME (UTC) MIN	BTM DEPTH (m)
081	73	40.94 N	159	30.40 W	06	Sep	17	06	48	2689

NISKIN	DEPTH DESIRED (m)	DEPTH ACTUAL (m)	Mordy O2	Cross DIC / TA	Bourbonnais N2O	Bourbonnais N2/Ar	Bourbonnais DiN	Magen CH4	Grebmeier Phyto ID	Mordy Nuts	Mordy Chl	Cooper d18O	Pickart Salts	Collins Genomics	Creamean Particles
1	500	500.0											B13		
2	500	500.1													
3															
4															
5															
6															
7															
8															
9															
10															
11															
12															
13															
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16															
17															
18															
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20															
21															
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23															
24															

Weather log:

Rosette Notes

VESSEL	CRUISE ID	STARTING SCAN #	CTD CONSOLE DRIVER	STATION NAME
USCGC Healy	HLY 1702		Min Li	NNE-20

CONSC STN #	LATITUDE DEG	LATITUDE MIN	LONGITUDE DEG	LONGITUDE MIN	DATE (UTC) DAY	DATE (UTC) MO	DATE (UTC) YR	TIME (UTC) HR	TIME (UTC) MIN	BTM DEPTH (m)
082	73	48.11 N	159	17.02 W	06	Sep	17	08	20	3077

NISKIN	DEPTH DESIRED (m)	DEPTH ACTUAL (m)	Mordy O2	Cross DIC / TA	Bourbonnais N2O	Bourbonnais N2/Ar	Bourbonnais DiN	Magen CH4	Grebmeier Phyto ID	Mordy Nuts	Mordy Chl	Cooper d18O	Pickart Salts	Collins Genomics	Creamean Particles
1	500	500.1											B14		
2	500	500.0													
3															
4															
5															
6															
7															
8															
9															
10															
11															
12															
13															
14															
15															
16															
17															
18															
19															
20															
21															
22															
23															
24															

Weather log:

Rosette Notes

VESSEL	CRUISE ID	STARTING SCAN #	CTD CONSOLE DRIVER	STATION NAME
USCGC Healy	HLY 1702		Astrid Pacini	NE-1

CONSC STN #	LATITUDE DEG	LATITUDE MIN	LONGITUDE DEG	LONGITUDE MIN	DATE (UTC) DAY	DATE (UTC) MO	DATE (UTC) YR	TIME (UTC) HR	TIME (UTC) MIN	BTM DEPTH (m)
083	73	27.16 N	157	18.67 W	06	September	17	13	27	3030

NISKIN	DEPTH DESIRED (m)	DEPTH ACTUAL (m)	Mordy O2	Cross DIC / TA	Bourbonnais N2O	Bourbonnais N2/Ar	Bourbonnais DiN	Magen CH4	Grebmeier Phyto ID	Mordy Nuts	Mordy Chl	Cooper d18O	Pickart Salts	Collins Genomics	Creamean Particles
1	bot -5	3025										✓	✓ B15		
2	bot-5	3025			✓	✓	✓							✓	
3	bot-5	3025						✓	ERIC						
4	bot-5	3025													
5	2000	1999										✓	✓ B16		
6	2000	2000			✓	✓	✓							✓	
7	1000	1000										✓	✓ B19		
8	1000	1000			✓	✓	✓							✓	
9	450	450						✓				✓	✓ C16		
10	450	450			✓	✓	✓							✓	
11	250	250						✓				✓	✓ C15		
12	250	250			✓	✓	✓							✓	
13	200	200						✓				✓	✓ C17		
14	200	200			✓	✓	✓							✓	
15	100	100						✓				✓	✓ C18		✓
16	100	100			✓	✓	✓							✓	
17	75	75						✓				✓	✓ C19		✓
18	75	75			✓	✓	✓							✓	
19	50	50										✓	✓ C20		✓
20	50	50			✓	✓	✓							✓	
21	30	30										✓	✓ C21	✓	✓
22	20	20			✓	✓	✓	✓					✓ C22	✓	✓
23	10	9.7			✓	✓	✓					✓	✓ D2	✓	✓
24	0	2.9			✓	✓	✓	✓				✓	✓ D4	✓	✓

Weather log:

Rosette Notes

VESSEL	CRUISE ID	STARTING SCAN #	CTD CONSOLE DRIVER	STATION NAME
USCGC Healy	HLY 1702		Astrid Pacini	NE-2

CONSC STN #	LATITUDE DEG	LATITUDE MIN	LONGITUDE DEG	LONGITUDE MIN	DATE (UTC) DAY	DATE (UTC) MO	DATE (UTC) YR	TIME (UTC) HR	TIME (UTC) MIN	BTM DEPTH (m)
084	73	23.46 N	157	25.01 W	06	September	17	17	07	3150

NISKIN	DEPTH DESIRED (m)	DEPTH ACTUAL (m)	Mordy O2	Cross DIC / TA	Bourbonnais N2O	Bourbonnais N2/Ar	Bourbonnais DiN	Magen CH4	Grebmeier Phyto ID	Mordy Nuts	Mordy Chl	Cooper d18O	Pickart Salts	Collins Genomics	Creamean Particles
1	500	500													
2															
3															
4															
5															
6															
7															
8															
9															
10															
11															
12															
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17															
18															
19															
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22															
23															
24															

Weather log:

Rosette Notes

VESSEL	CRUISE ID	STARTING SCAN #	CTD CONSOLE DRIVER	STATION NAME
USCGC Healy	HLY 1702		Peigen Lin	NE-3

CONSC STN #	LATITUDE DEG	LATITUDE MIN		LONGITUDE DEG	LONGITUDE MIN		DATE (UTC) DAY	MO	YR	TIME (UTC) HR	MIN	BTM DEPTH (m)
085	73	19.81	N	157	31.18	W	06	September	17	1808		3005

NISKIN	DEPTH DESIRED (m)	DEPTH ACTUAL (m)	Mordy O2	Cross DIC / TA	Bourbonnais N2O	Bourbonnais N2/Ar	Bourbonnais DiN	Magen CH4	Grebmeier Phyto ID	Mordy Nuts	Mordy Chl	Cooper d18O	Pickart Salts	Collins Genomics	Creamean Particles
1	500	500.6													
2	500	500.6											D8		
3															
4															
5															
6															
7															
8															
9															
10															
11															
12															
13															
14															
15															
16															
17															
18															
19															
20															
21															
22															
23															
24															

Weather log:

Rosette Notes

VESSEL	CRUISE ID	STARTING SCAN #	CTD CONSOLE DRIVER	STATION NAME
USCGC Healy	HLY 1702		Peigen Lin	NE-4

CONSC STN #	LATITUDE DEG	LATITUDE MIN		LONGITUDE DEG	LONGITUDE MIN		DATE (UTC) DAY	MO	YR	TIME (UTC) HR	MIN	BTM DEPTH (m)
086	73	16.06	N	157	36.50	W	06	Sep	17	1932		2927

NISKIN	DEPTH DESIRED (m)	DEPTH ACTUAL (m)	Mordy O2	Cross DIC / TA	Bourbonnais N2O	Bourbonnais N2/Ar	Bourbonnais DiN	Magen CH4	Grebmeier Phyto ID	Mordy Nuts	Mordy Chl	Cooper d18O	Pickart Salts	Collins Genomics	Creamean Particles
1	500	500													
2	500	500											D-6		
3															
4															
5															
6															
7															
8															
9															
10															
11															
12															
13															
14															
15															
16															
17															
18															
19															
20															
21															
22															
23															
24															

Weather log:

Rosette Notes

（记得前一个盐瓶）

VESSEL	CRUISE ID	STARTING SCAN #	CTD CONSOLE DRIVER	STATION NAME
USCGC Healy	HLY 1702		Poisenlin	NE-5

CONSC STN #	LATITUDE DEG	LATITUDE MIN	LONGITUDE DEG	LONGITUDE MIN	DATE (UTC) DAY	DATE (UTC) MO	DATE (UTC) YR	TIME (UTC) HR	TIME (UTC) MIN	BTM DEPTH (m)
087	73	12.56 N	157	42.82 W	06	Sep	17	2038		2749

NISKIN	DEPTH DESIRED (m)	DEPTH ACTUAL (m)	Mordy O2	Cross DIC / TA	Bourbonnais N2O	Bourbonnais N2/Ar	Bourbonnais DIN	Magen CH4	Grebmeier Phyto ID	Mordy Nuts	Mordy Chl	Cooper d18O	Pickart Salts	Collins Genomics	Creamean Particles
1	500	500.7						✓					E24		
2	500	500.7			✓	✓	✓								
3	250	250.4						✓							
4	250	250.4			✓	✓	✓								
5	150	150.4						✓							
6	150	150.4			✓	✓	✓								
7	100	100.0						✓							
8	100	100.1			✓	✓	✓								
9	75	75.2						✓							
10	75	75.2			✓	✓	✓								
11	50	50.2						✓							
12	50	50.2			✓	✓	✓								
13	30	30.3													
14	30	30.4			✓	✓	✓								
15	20	20.1						✓							
16	20	20.0													
17	10	10.4													
18	10	10.2			✓	✓	✓								
19	Surf	2.8						✓							
20	Surf	2.6													
21															
22															
23															
24															

Weather log:

Rosette Notes

VESSEL	CRUISE ID	STARTING SCAN #	CTD CONSOLE DRIVER	STATION NAME
USCGC Healy	HLY 1702		Peigen Lin	NE-6

CONSC STN #	LATITUDE DEG	LATITUDE MIN		LONGITUDE DEG	LONGITUDE MIN		DATE (UTC) DAY	MO	YR	TIME (UTC) HR	MIN	BTM DEPTH (m)
088	73	08.87	N	157	48.71	W	06	Sep	17	22	13	2507

NISKIN	DEPTH DESIRED (m)	DEPTH ACTUAL (m)	Mordy O2	Cross DIC / TA	Bourbonnais N2O	Bourbonnais N2/Ar	Bourbonnais DiN	Magen CH4	Grebmeier Phyto ID	Mordy Nuts	Mordy Chl	Cooper d18O	Pickart Salts	Collins Genomics	Creamean Particles
1	500	500.5													
2	500	500.5											C-23		
3															
4															
5															
6															
7															
8															
9															
10															
11															
12															
13															
14															
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16															
17															
18															
19															
20															
21															
22															
23															
24															

Weather log:

Rosette Notes

VESSEL	CRUISE ID	STARTING SCAN #	CTD CONSOLE DRIVER	STATION NAME
USCGC Healy	HLY 1702		Peisenbin	NE-7

CONSC STN #	LATITUDE DEG	LATITUDE MIN	LONGITUDE DEG	LONGITUDE MIN	DATE (UTC) DAY	DATE (UTC) MO	DATE (UTC) YR	TIME (UTC) HR	TIME (UTC) MIN	BTM DEPTH (m)
089	73	05.05 N	157	54.82 W	06	Sep	17	23	14	2010

NISKIN	DEPTH DESIRED (m)	DEPTH ACTUAL (m)	Mordy O2	Cross DIC / TA	Bourbonnais N2O	Bourbonnais N2/Ar	Bourbonnais DiN	Magen CH4	Grebmeier Phyto ID	Mordy Nuts	Mordy Chl	Cooper d18O	Pickart Salts	Collins Genomics	Creamean Particles
1	500	501													
2	500	501											B-21		
3															
4															
5															
6															
7															
8															
9															
10															
11															
12															
13															
14															
15															
16															
17															
18															
19															
20															
21															
22															
23															
24															

Weather log:

Rosette Notes

VESSEL	CRUISE ID	STARTING SCAN #	CTD CONSOLE DRIVER	STATION NAME
USCGC Healy	HLY 1702		Peigen Lin	NE-8

CONSC STN #	LATITUDE DEG	LATITUDE MIN	LONGITUDE DEG	LONGITUDE MIN	DATE (UTC) DAY	DATE (UTC) MO	DATE (UTC) YR	TIME (UTC) HR	TIME (UTC) MIN	BTM DEPTH (m)
090	73	01.29 N	158	01.36 W	07	Sep	17	00	25	1934

NISKIN	DEPTH DESIRED (m)	DEPTH ACTUAL (m)	Mordy O2	Cross DIC / TA	Bourbonnais N2O	Bourbonnais N2/Ar	Bourbonnais DiN	Magen CH4	Grebmeier Phyto ID	Mordy Nuts	Mordy Chl	Cooper d18O	Pickart Salts	Collins Genomics	Creamean Particles
1	500	500.9													
2	500	500.9											B-23		
3															
4															
5															
6															
7															
8															
9															
10															
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12															
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15															
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17															
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19															
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21															
22															
23															
24															

Weather log:

Rosette Notes

VESSEL	CRUISE ID	STARTING SCAN #	CTD CONSOLE DRIVER	STATION NAME
USCGC Healy	HLY 1702		Robert Lin	NE-9

CONSC STN #	LATITUDE DEG	LATITUDE MIN		LONGITUDE DEG	LONGITUDE MIN		DATE (UTC) DAY	MO	YR	TIME (UTC) HR	MIN	BTM DEPTH (m)
091	72	57.83	N	158	07.11	W	07	Sep	17	01	36	1828m

NISKIN	DEPTH DESIRED (m)	DEPTH ACTUAL (m)	Mordy O2	Cross DIC / TA	Bourbonnais N2O	Bourbonnais N2/Ar	Bourbonnais DiN	Magen CH4	Grebmeier Phyto ID	Mordy Nuts	Mordy Chl	Cooper d18O	Pickart Salts	Collins Genomics	Creamean Particles
1	500	500.8						✓							
2	500	500.8			✓	✓	✓						D-20		
3	250	250.6	•328												
4	250	250.6			✓	✓	✓								
5	150	150.4						✓							
6	150	150.4			✓	✓	✓								
7	125	122.8						✓						✓	
8	125	122.8												✓	
9	100	100.1						✓							
10	100	100.1			✓	✓	✓								
11	75	75.3						✓							
12	75	75.3			✓	✓	✓								
13	50	50.1						✓							
14	50	50.1			✓	✓	✓								
15	30	30.0													
16	30	29.6			✓	✓	✓								
17	20	20.2						✓							
18	20	20.1													
19	10	10.0													
20	10	10.0			✓	✓	✓								
21	Surf	3.8	•331					✓							
22	Surf	3.9													
23															
24															

Weather log:

Rosette Notes

VESSEL	CRUISE ID	STARTING SCAN #	CTD CONSOLE DRIVER	STATION NAME
USCGC Healy	HLY 1702		Min Li	NE-10

CONSC STN #	LATITUDE DEG	LATITUDE MIN					LONGITUDE DEG	LONGITUDE MIN					DATE (UTC) DAY	DATE (UTC) MO	DATE (UTC) YR	TIME (UTC) HR	TIME (UTC) MIN	BTM DEPTH (m)
092	72	54	.	1	8	N	158	13	.	0	9	W	07	Sep	17	03	23	1394

NISKIN	DEPTH DESIRED (m)	DEPTH ACTUAL (m)	Mordy O2	Cross DIC / TA	Bourbonnais N2O	Bourbonnais N2/Ar	Bourbonnais DiN	Magen CH4	Grebmeier Phyto ID	Mordy Nuts	Mordy Chl	Cooper d18O	Pickart Salts	Collins Genomics	Creamean Particles
1	500	500.9													
2	500	500.8											D18		
3															
4															
5															
6															
7															
8															
9															
10															
11															
12															
13															
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16															
17															
18															
19															
20															
21															
22															
23															
24															

Weather log:

Rosette Notes

VESSEL	CRUISE ID	STARTING SCAN #	CTD CONSOLE DRIVER	STATION NAME
USCGC Healy	HLY 1702		Min Li	NE-11

CONSC STN #	LATITUDE DEG	LATITUDE MIN						LONGITUDE DEG	LONGITUDE MIN					DATE (UTC) DAY	DATE (UTC) MO	DATE (UTC) YR		TIME (UTC) HR		TIME (UTC) MIN		BTM DEPTH (m)
093	72	50	.	3	9	N		158	20	.	0	0	W	07	Sep	1	7	04		31		648

NISKIN	DEPTH DESIRED (m)	DEPTH ACTUAL (m)	Mordy O2	Cross DIC / TA	Bourbonnais N2O	Bourbonnais N2/Ar	Bourbonnais DiN	Magen CH4	Grebmeier Phyto ID	Mordy Nuts	Mordy Chl	Cooper d18O	Pickart Salts	Collins Genomics	Creamean Particles
1	bot-10	618.3													
2	bot-10	618.7											D16		
3															
4															
5															
6															
7															
8															
9															
10															
11															
12															
13															
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16															
17															
18															
19															
20															
21															
22															
23															
24															

Weather log:

Rosette Notes

VESSEL	CRUISE ID	STARTING SCAN #	CTD CONSOLE DRIVER	STATION NAME
USCGC Healy	HLY 1702		Min Li	NE-12

CONSC STN #	LATITUDE DEG	LATITUDE MIN	LONGITUDE DEG	LONGITUDE MIN	DATE (UTC) DAY	DATE (UTC) MO	DATE (UTC) YR	TIME (UTC) HR	TIME (UTC) MIN	BTM DEPTH (m)
094	72	46.94 N	158	25.27 W	07	Sep	17	06	33	305

NISKIN	DEPTH DESIRED (m)	DEPTH ACTUAL (m)	Mordy O2	Cross DIC / TA	Bourbonnais N2O	Bourbonnais N2/Ar	Bourbonnais DiN	Magen CH4	Grebmeier Phyto ID	Mordy Nuts	Mordy Chl	Cooper d18O	Pickart Salts	Collins Genomics	Creamean Particles
1	bot	292.3													
2	bot	292.3											D14		
3															
4															
5															
6															
7															
8															
9															
10															
11															
12															
13															
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16															
17															
18															
19															
20															
21															
22															
23															
24															

Weather log:

Rosette Notes

VESSEL	CRUISE ID	STARTING SCAN #	CTD CONSOLE DRIVER	STATION NAME
USCGC Healy	HLY 1702		Min Li	NE-13

CONSC STN #	LATITUDE DEG	LATITUDE MIN	LONGITUDE DEG	LONGITUDE MIN	DATE (UTC) DAY	DATE (UTC) MO	DATE (UTC) YR	TIME (UTC) HR	TIME (UTC) MIN	BTM DEPTH (m)
095	72	43.17 N	158	31.91 W	07	Sep	17	07	53	231

NISKIN	DEPTH DESIRED (m)	DEPTH ACTUAL (m)	Mordy O2	Cross DIC / TA	Bourbonnais N2O	Bourbonnais N2/Ar	Bourbonnais DiN	Magen CH4	Grebmeier Phyto ID	Mordy Nuts	Mordy Chl	Cooper d18O	Pickart Salts	Collins Genomics	Creamean Particles
1	bot	223.4						X					D12		
2	bot	223.4			✓	✓	✓								
3	150	150.3						X							
4	150	150.2			✓	✓	✓								
5	100	100.8						X							
6	100	100.9			✓	✓	✓								
7	75	75.0						X							
8	75	75.1			✓	✓	✓								
9	50	49.9						X							
10	50	50.0			✓	✓	✓								
11	30	29.0						X							
12	30	29.1			✓	✓	✓								
13	20	20.0						X							
14	20	20.0			✓	✓	✓								
15	15	15.1													
16	15	15.0													
17	10	10.1													
18	10	10.1			✓	✓	✓								
19	Surf	3.4						X							
20	Surf	4.5													
21															
22															
23															
24															

Weather log:

Rosette Notes

VESSEL	CRUISE ID	STARTING SCAN #	CTD CONSOLE DRIVER	STATION NAME
USCGC Healy	HLY 1702		Astrid Pacini	NG-14

CONSC STN #	LATITUDE DEG	LATITUDE MIN	LONGITUDE DEG	LONGITUDE MIN	DATE (UTC) DAY	DATE (UTC) MO	DATE (UTC) YR	TIME (UTC) HR	TIME (UTC) MIN	BTM DEPTH (m)
096	72	39.27 N	158	36.74 W	07	September	17	10	33	165

NISKIN	DEPTH DESIRED (m)	DEPTH ACTUAL (m)	Mordy O2	Cross DIC / TA	Bourbonnais N2O	Bourbonnais N2/Ar	Bourbonnais DiN	Magen CH4	Grebmeier Phyto ID	Mordy Nuts	Mordy Chl	Cooper d18O	Pickart Salts	Collins Genomics	Creamean Particles
1	bot-2	156											D10		
2	bot-2	156													
3															
4															
5															
6															
7															
8															
9															
10															
11															
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18															
19															
20															
21															
22															
23															
24															

Weather log:

Rosette Notes

VESSEL	CRUISE ID	STARTING SCAN #	CTD CONSOLE DRIVER	STATION NAME
USCGC Healy	HLY 1702		Astrid Pacini	NE-1S

CONSC STN #	LATITUDE DEG	LATITUDE MIN		LONGITUDE DEG	LONGITUDE MIN		DATE (UTC) DAY	DATE (UTC) MO	DATE (UTC) YR	TIME (UTC) HR	TIME (UTC) MIN	BTM DEPTH (m)
97	72	35.68	N	158	42.78	W	07	Sept	17	11	39	78 m

NISKIN	DEPTH DESIRED (m)	DEPTH ACTUAL (m)	Mordy O2	Cross DIC / TA	Bourbonnais N2O	Bourbonnais N2/Ar	Bourbonnais DiN	Magen CH4	Grebmeier Phyto ID	Mordy Nuts	Mordy Chl	Cooper d18O	Pickart Salts	Collins Genomics	Creamean Particles
1	Bot	70.7													
2	Bot	70.7													
3	Bot	70.7		✓						294		✓	D22		✓
4	Bot	70.7													
5	50	50.3		✓						295	138	✓			✓
6	50	49.8													
7	40	40.6		✓						296	138	✓			✓
8	40	40.8													
9	30	29.6		✓						297	139	✓			✓
10	30	30.2													
11	20	19.5		✓						298	138	✓			✓
12	20	20.6													
13	10	10.4		✓						~~299~~	138	✓			✓
14	10	10.3													
15	Surf	4.9		✓						299	139	✓			✓
16	Surf	4.9													
17															
18															
19															
20															
21															
22															
23															
24															

Weather log:

Rosette Notes

Chla max ~20-30 m
Oxygen max 30 m

VESSEL	CRUISE ID	STARTING SCAN #	CTD CONSOLE DRIVER	STATION NAME
USCGC Healy	HLY 1702		Astrid Pacini	NE-16

CONSC STN #	LATITUDE DEG	LATITUDE MIN	LONGITUDE DEG	LONGITUDE MIN	DATE (UTC) DAY	DATE (UTC) MO	DATE (UTC) YR	TIME (UTC) HR	TIME (UTC) MIN	BTM DEPTH (m)
098	72	32.28 N	158	48.73 W	07	September	17	17	21	59

NISKIN	DEPTH DESIRED (m)	DEPTH ACTUAL (m)	Mordy O2	Cross DIC / TA	Bourbonnais N2O	Bourbonnais N2/Ar	Bourbonnais DiN	Magen CH4	Grebmeier Phyto ID	Mordy Nuts	Mordy Chl	Cooper d18O	Pickart Salts	Collins Genomics	Creamean Particles
1	bot - 2	52.7											✓D24		
2	bot -2	52.7													
3															
4															
5															
6															
7															
8															
9															
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20															
21															
22															
23															
24															

Weather log:

Rosette Notes

VESSEL	CRUISE ID	STARTING SCAN #	CTD CONSOLE DRIVER	STATION NAME
USCGC Healy	HLY 1702		Peigen Lin	NE-17

CONSC STN #	LATITUDE DEG	LATITUDE MIN		LONGITUDE DEG	LONGITUDE MIN		DATE (UTC) DAY	MO	YR	TIME (UTC) HR	MIN	BTM DEPTH (m)
099	72	28.50	N	158	54.66	W	07	September	17	18	11	55m

NISKIN	DEPTH DESIRED (m)	DEPTH ACTUAL (m)	Mordy O2	Cross DIC / TA	Bourbonnais N2O	Bourbonnais N2/Ar	Bourbonnais DiN	Magen CH4	Grebmeier Phyto ID	Mordy Nuts	Mordy Chl	Cooper d18O	Pickart Salts	Collins Genomics	Creamean Particles
1	Bot	48		✓	✓	✓	✓	✓				✓			
2	Bot	48			✓	✓	✓						B-2		
3	40	40.6		✓				✓							
4	40	40.6			✓	✓	✓								
5	30	30.6		✓				✓							
6	30	30.6			✓	✓	✓								
7	30	27													
8	30	27													
9	20	20.8		✓				✓							
10	20	20.6			✓	✓	✓								
11	10	10.7		✓				✓							
12	10	10.4			✓	✓	✓								
13	Surf	5.3		✓				✓				✓			
14	Surf	4.9			✓	✓	✓								
15															
16															
17															
18															
19															
20															
21															
22															
23															
24															

Weather log:

Rosette Notes

VESSEL	CRUISE ID	STARTING SCAN #	CTD CONSOLE DRIVER	STATION NAME
USCGC Healy	HLY 1702		Peigen Lin	NE-18

CONSC STN #	LATITUDE DEG	LATITUDE MIN	LONGITUDE DEG	LONGITUDE MIN	DATE (UTC) DAY	DATE (UTC) MO	DATE (UTC) YR	TIME (UTC) HR	TIME (UTC) MIN	BTM DEPTH (m)
100	72	25.03 N	159	14.27 W	07	September	17	1940		52

NISKIN	DEPTH DESIRED (m)	DEPTH ACTUAL (m)	Mordy O2	Cross DIC / TA	Bourbonnais N2O	Bourbonnais N2/Ar	Bourbonnais DiN	Magen CH4	Grebmeier Phyto ID	Mordy Nuts	Mordy Chl	Cooper d18O	Pickart Salts	Collins Genomics	Creamean Particles
1	Bot-5	46.7											✓B4		
2	Bot-5	46.7													
3															
4															
5															
6															
7															
8															
9															
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23															
24															

Weather log:

Rosette Notes

VESSEL	CRUISE ID	STARTING SCAN #	CTD CONSOLE DRIVER	STATION NAME
USCGC Healy	HLY 1702		Petersen Lin	NE-19

CONSC STN #	LATITUDE DEG	LATITUDE MIN	LONGITUDE DEG	LONGITUDE MIN	DATE (UTC) DAY	DATE (UTC) MO	DATE (UTC) YR	TIME (UTC) HR	TIME (UTC) MIN	BTM DEPTH (m)
101	72	22.58 N	159	39.27 W	07	Sep	17	21	05	50

NISKIN	DEPTH DESIRED (m)	DEPTH ACTUAL (m)	Mordy O2	Cross DIC / TA	Bourbonnais N2O	Bourbonnais N2/Ar	Bourbonnais DiN	Magen CH4	Grebmeier Phyto ID	Mordy Nuts	Mordy Chl	Cooper d18O	Pickart Salts	Collins Genomics	Creamean Particles
1	Bot	43		Jackie				✓				✓			
2	Bot	43													
3	Bot	43	X										✓		✓
4	Bot	43			✓	✓	✓								
5	40	39.5	X					✓							✓
6	40	39.5			✓	✓	✓								
7	30	30.0	X					✓							✓
8	30	30.0			✓	✓	✓								
9	20	20.4	X					✓							✓
10	20	20.2			✓	✓	✓								
11	10	10.5	X					✓							✓
12	10	10.5			✓	✓	✓								
13	Surf	3.2	X					✓				✓			✓
14	Surf	4.9			✓	✓	✓								
15															
16															
17															
18															
19															
20															
21															
22															
23															
24															

Weather log:

Rosette Notes

VESSEL	CRUISE ID	STARTING SCAN #	CTD CONSOLE DRIVER	STATION NAME
USCGC Healy	HLY 1702		Dalgen Liu	NE-20

CONSC STN #	LATITUDE DEG	LATITUDE MIN	LONGITUDE DEG	LONGITUDE MIN	DATE (UTC) DAY	DATE (UTC) MO	DATE (UTC) YR	TIME (UTC) HR	TIME (UTC) MIN	BTM DEPTH (m)
102	72	19.83 N	160	04.02 W	07	September	17	22	31	48

NISKIN	DEPTH DESIRED (m)	DEPTH ACTUAL (m)	Mordy O2	Cross DIC / TA	Bourbonnais N2O	Bourbonnais N2/Ar	Bourbonnais DiN	Magen CH4	Grebmeier Phyto ID	Mordy Nuts	Mordy Chl	Cooper d18O	Pickart Salts	Collins Genomics	Creamean Particles
1	Bot-5														
2	Bot-5														
3															
4															
5															
6															
7															
8															
9															
10															
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23															
24															

Weather log:

Rosette Notes

VESSEL	CRUISE ID	STARTING SCAN #	CTD CONSOLE DRIVER	STATION NAME
USCGC Healy	HLY 1702		PeiguLin	NE-21

CONSC STN #	LATITUDE DEG	LATITUDE MIN		LONGITUDE DEG	LONGITUDE MIN		DATE (UTC) DAY	MO	YR	TIME (UTC) HR	MIN	BTM DEPTH (m)
103	72	17.01	N	160	28.73	W	07	Sep	17	23	47	45

NISKIN	DEPTH DESIRED (m)	DEPTH ACTUAL (m)	Mordy O2	Cross DIC / TA	Bourbonnais N2O	Bourbonnais N2/Ar	Bourbonnais DiN	Magen CH4	Grebmeier Phyto ID	Mordy Nuts	Mordy Chl	Cooper d18O	Pickart Salts	Collins Genomics	Creamean Particles
1	Bot	38						✓							
2	Bot	38										✓			
3	Bot	38		—											—
4	Bot	38			✓		✓								
5	30	29.7		—				✓							—
6	30	29.0			✓		✓								
7	20	20.8		—				✓							—
8	20	20.2			✓		✓								
9	10	10.0		—				✓							—
10	10	10.5			✓		✓								
11	Surf	5.7		—				✓				✓			—
12	Surf	5.3			✓		✓								
13															
14															
15															
16															
17															
18															
19															
20															
21															
22															
23															
24															

Weather log:

Rosette Notes

VESSEL	CRUISE ID	STARTING SCAN #	CTD CONSOLE DRIVER	STATION NAME
USCGC Healy	HLY 1702		Peiqen Lin	NE-22

CONSC STN #	LATITUDE DEG	LATITUDE MIN	LONGITUDE DEG	LONGITUDE MIN	DATE (UTC) DAY	DATE (UTC) MO	DATE (UTC) YR	TIME (UTC) HR	TIME (UTC) MIN	BTM DEPTH (m)
104	72	14.18 N	160	53.75 W	08	Sep	17			37

NISKIN	DEPTH DESIRED (m)	DEPTH ACTUAL (m)	Mordy O2	Cross DIC / TA	Bourbonnais N2O	Bourbonnais N2/Ar	Bourbonnais DiN	Magen CH4	Grebmeier Phyto ID	Mordy Nuts	Mordy Chl	Cooper d18O	Pickart Salts	Collins Genomics	Creamean Particles
1	Bot-5	30													
2	Bot-5	30													
3															
4															
5															
6															
7															
8															
9															
10															
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22															
23															
24															

Weather log:

Rosette Notes

VESSEL	CRUISE ID	STARTING SCAN #	CTD CONSOLE DRIVER	STATION NAME
USCGC Healy	HLY 1702		Min Li	NE-23

CONSC STN #	LATITUDE DEG	LATITUDE MIN	LONGITUDE DEG	LONGITUDE MIN	DATE (UTC) DAY	DATE (UTC) MO	DATE (UTC) YR	TIME (UTC) HR	TIME (UTC) MIN	BTM DEPTH (m)
105	72	11.55 N	161	18.65 W	08	Sep	17	02	40	35

NISKIN	DEPTH DESIRED (m)	DEPTH ACTUAL (m)	Mordy O2	Cross DIC / TA	Bourbonnais N2O	Bourbonnais N2/Ar	Bourbonnais DiN	Magen CH4	Grebmeier Phyto ID	Mordy Nuts	Mordy Chl	Cooper d18O	Pickart Salts	Collins Genomics	Creamean Particles
1	bot	30.0		✓				✓							
2	bot	30.7			✓		✓							✓	
3	20	20.0		✓				✓							
4	20	19.6			✓		✓							✓	
5	10	10.4		✓				✓							
6	10	10.6			✓		✓							✓	
7	5	5.8		✓				✓							
8	5	4.9			✓		✓							✓	
9															
10															
11															
12															
13															
14															
15															
16															
17															
18															
19															
20															
21															
22															
23															
24															

Weather log:

Rosette Notes

VESSEL	CRUISE ID	STARTING SCAN #	CTD CONSOLE DRIVER	STATION NAME
USCGC Healy	HLY 1702		Min Li	NE-24

CONSC STN #	LATITUDE DEG	LATITUDE MIN	LONGITUDE DEG	LONGITUDE MIN	DATE (UTC) DAY	DATE (UTC) MO	DATE (UTC) YR	TIME (UTC) HR	TIME (UTC) MIN	BTM DEPTH (m)
106	72	08.67 N	161	43.64 W	08	Sep	17	03	57	32m

NISKIN	DEPTH DESIRED (m)	DEPTH ACTUAL (m)	Mordy O2	Cross DIC / TA	Bourbonnais N2O	Bourbonnais N2/Ar	Bourbonnais DiN	Magen CH4	Grebmeier Phyto ID	Mordy Nuts	Mordy Chl	Cooper d18O	Pickart Salts	Collins Genomics	Creamean Particles
1	bot	27.5													
2	bot	27.5													
3															
4															
5															
6															
7															
8															
9															
10															
11															
12															
13															
14															
15															
16															
17															
18															
19															
20															
21															
22															
23															
24															

Weather log:

Rosette Notes

VESSEL	CRUISE ID	STARTING SCAN #	CTD CONSOLE DRIVER	STATION NAME
USCGC Healy	HLY 1702		Min Li	E-1

CONSC STN #	LATITUDE DEG	LATITUDE MIN	LONGITUDE DEG	LONGITUDE MIN	DATE (UTC) DAY	DATE (UTC) MO	DATE (UTC) YR	TIME (UTC) HR	TIME (UTC) MIN	BTM DEPTH (m)
107	72	03.18 N	161	44.07 W	08	Sep	17	05	10	30

NISKIN	DEPTH DESIRED (m)	DEPTH ACTUAL (m)	Mordy O2	Cross DIC / TA	Bourbonnais N2O	Bourbonnais N2/Ar	Bourbonnais DiN	Magen CH4	Grebmeier Phyto ID	Mordy Nuts	Mordy Chl	Cooper d18O	Pickart Salts	Collins Genomics	Creamean Particles
1	bot	24.0													
2	bot	24.0													
3															
4															
5															
6															
7															
8															
9															
10															
11															
12															
13															
14															
15															
16															
17															
18															
19															
20															
21															
22															
23															
24															

Weather log:

Rosette Notes

VESSEL	CRUISE ID	STARTING SCAN #	CTD CONSOLE DRIVER	STATION NAME
USCGC Healy	HLY 1702		Min Li	E-2

CONSC STN #	LATITUDE DEG	LATITUDE MIN						LONGITUDE DEG	LONGITUDE MIN						DATE (UTC) DAY	DATE (UTC) MO	DATE (UTC) YR		TIME (UTC) HR		TIME (UTC) MIN		BTM DEPTH (m)
108	72	00	.	52	N			161	19	.	38	W			08	Sep	17		06		17		35

NISKIN	DEPTH DESIRED (m)	DEPTH ACTUAL (m)	Mordy O2	Cross DIC / TA	Bourbonnais N2O	Bourbonnais N2/Ar	Bourbonnais DiN	Magen CH4	Grebmeier Phyto ID	Mordy Nuts	Mordy Chl	Cooper d18O	Pickart Salts	Collins Genomics	Creamean Particles
1	bot	27.4													
2	bot	27.4													
3															
4															
5															
6															
7															
8															
9															
10															
11															
12															
13															
14															
15															
16															
17															
18															
19															
20															
21															
22															
23															
24															

Weather log:

Rosette Notes

VESSEL	CRUISE ID	STARTING SCAN #	CTD CONSOLE DRIVER	STATION NAME
USCGC Healy	HLY 1702		Astrid Pacini	E-3

CONSC STN #	LATITUDE DEG	LATITUDE MIN	LONGITUDE DEG	LONGITUDE MIN	DATE (UTC) DAY	DATE (UTC) MO	DATE (UTC) YR	TIME (UTC) HR	TIME (UTC) MIN	BTM DEPTH (m)
109	71	57.63 N	160	55.44 W	08	September	17	15	46	39

NISKIN	DEPTH DESIRED (m)	DEPTH ACTUAL (m)	Mordy O2	Cross DIC / TA	Bourbonnais N2O	Bourbonnais N2/Ar	Bourbonnais DiN	Magen CH4	Grebmeier Phyto ID	Mordy Nuts	Mordy Chl	Cooper d18O	Pickart Salts	Collins Genomics	Creamean Particles
1	bot-2	35.2													
2	bot-2	35.2													
3															
4															
5															
6															
7															
8															
9															
10															
11															
12															
13															
14															
15															
16															
17															
18															
19															
20															
21															
22															
23															
24															

Weather log:

Rosette Notes

VESSEL	CRUISE ID	STARTING SCAN #	CTD CONSOLE DRIVER	STATION NAME
USCGC Healy	HLY 1702		Astrid Pacini	E - 4

CONSC STN #	LATITUDE DEG	LATITUDE MIN		LONGITUDE DEG	LONGITUDE MIN		DATE (UTC) DAY	DATE (UTC) MO	DATE (UTC) YR	TIME (UTC) HR	TIME (UTC) MIN	BTM DEPTH (m)
110	71	54.90	N	160	31.26	W	08	September	17	19	01	42

NISKIN	DEPTH DESIRED (m)	DEPTH ACTUAL (m)	Mordy O2	Cross DIC / TA	Bourbonnais N2O	Bourbonnais N2/Ar	Bourbonnais DiN	Magen CH4	Grebmeier Phyto ID	Mordy Nuts	Mordy Chl	Cooper d18O	Pickart Salts	Collins Genomics	Creamean Particles
1	bot-2	37.6						✓							✓
2	bot-2	37.6													
3	bot-2	36.5		✓						301	138	X			
4	bot-2	36.5			✓	✓	✓								
5	30	29.5		✓				✓		302	139				✓
6	30	29.5			✓	✓	✓								
7	20	19.7		✓				✓		303	138				✓
8	20	20.0			✓	✓	✓								
9	10	9.9		✓				✓		X	138				✓
10	10	9.4			✓	✓	✓								
11	Surf	5.0	342	✓				✓		304	139	X			✓
12	Surf	4.4			✓	✓	✓								
13															
14															
15															
16															
17															
18															
19															
20															
21															
22															
23															
24															

Weather log: Still large waves, winds, stormy conditions

Rosette Notes: two bottles fired at bottom, then went up a little before firing two more

Chl a max ~30 m

VESSEL	CRUISE ID	STARTING SCAN #	CTD CONSOLE DRIVER	STATION NAME
USCGC Healy	HLY 1702		Peigen Lin	E-5

CONSC STN #	LATITUDE DEG	LATITUDE MIN	LONGITUDE DEG	LONGITUDE MIN	DATE (UTC) DAY	DATE (UTC) MO	DATE (UTC) YR	TIME (UTC) HR	TIME (UTC) MIN	BTM DEPTH (m)
111	71	52.16 N	160	06.85 W	08	September	17	19	03	45m

NISKIN	DEPTH DESIRED (m)	DEPTH ACTUAL (m)	Mordy O2	Cross DIC / TA	Bourbonnais N2O	Bourbonnais N2/Ar	Bourbonnais DiN	Magen CH4	Grebmeier Phyto ID	Mordy Nuts	Mordy Chl	Cooper d18O	Pickart Salts	Collins Genomics	Creamean Particles
1	bot-2	40		✓											
2	bot-2	40													
3	bottom	38											B6		
4	salinity change	19		✓									B8		
5	surf	6.4													
6	surf	6.2		✓											
7															
8															
9															
10															
11															
12															
13															
14															
15															
16															
17															
18															
19															
20															
21															
22															
23															
24															

Weather log:

Rosette Notes
- salinity gradient at 18 m
- Chla max ~28 m

VESSEL	CRUISE ID	STARTING SCAN #	CTD CONSOLE DRIVER	STATION NAME
USCGC Healy	HLY 1702		Deigen	E-6

CONSC STN #	LATITUDE DEG	LATITUDE MIN	LONGITUDE DEG	LONGITUDE MIN	DATE (UTC) DAY	DATE (UTC) MO	DATE (UTC) YR	TIME (UTC) HR	TIME (UTC) MIN	BTM DEPTH (m)
112	71	49.41 N	159	41.92 W	08	Sept	17	20	21	50

NISKIN	DEPTH DESIRED (m)	DEPTH ACTUAL (m)	Mordy O2	Cross DIC / TA	Bourbonnais N2O	Bourbonnais N2/Ar	Bourbonnais DiN	Magen CH4	Grebmeier Phyto ID	Mordy Nuts	Mordy Chl	Cooper d18O	Pickart Salts	Collins Genomics	Creamean Particles
1	Bot	46						✓				✓			
2	Bot	46			✓	✓	✓								
3	Bot	46		✓						305	138				
4	Bot	46													
5	40	40		✓				✓		306	138				
6	40	39.9			✓	✓	✓								
7	30	30.5		✓				✓		307	139				
8	30	30.5			✓	✓	✓								
9	20	20.2		✓				✓		308	138				
10	20	20.3			✓	✓	✓								
11	10	10.2		✓				✓		309	138				
12	10	10.2			✓	✓	✓								
13	8	4.5		✓				✓		310	139	✓			
14		3.9			✓	✓	✓								
15															
16															
17															
18															
19															
20															
21															
22															
23															
24															

Weather log:

Rosette Notes

VESSEL	CRUISE ID	STARTING SCAN #	CTD CONSOLE DRIVER	STATION NAME
USCGC Healy	HLY 1702		Peigen Lin	E-7

CONSC STN #	LATITUDE DEG	LATITUDE MIN	LONGITUDE DEG	LONGITUDE MIN	DATE (UTC) DAY	DATE (UTC) MO	DATE (UTC) YR	TIME (UTC) HR	TIME (UTC) MIN	BTM DEPTH (m)
113	71	46.61 N	159	17.58 W	08	Sep	17	22	32	52

NISKIN	DEPTH DESIRED (m)	DEPTH ACTUAL (m)	Mordy O2	Cross DIC / TA	Bourbonnais N2O	Bourbonnais N2/Ar	Bourbonnais DiN	Magen CH4	Grebmeier Phyto ID	Mordy Nuts	Mordy Chl	Cooper d18O	Pickart Salts	Collins Genomics	Creamean Particles
1	Bot-5	48		✓									-		
2	Bot-5	48											B-24		
3	Surf	5.3		✓											
4	Surf	4.8													
5															
6															
7															
8															
9															
10															
11															
12															
13															
14															
15															
16															
17															
18															
19															
20															
21															
22															
23															
24															

Weather log:

Rosette Notes

VESSEL	CRUISE ID	STARTING SCAN #	CTD CONSOLE DRIVER	STATION NAME
USCGC Healy	HLY 1702		Peigen Lin	E-8

CONSC STN #	LATITUDE DEG	LATITUDE MIN		LONGITUDE DEG	LONGITUDE MIN		DATE (UTC) DAY	MO	YR	TIME (UTC) HR	MIN	BTM DEPTH (m)
114	71	43.81	N	158	53.44	W	08	Sept	17	23	45	55

NISKIN	DEPTH DESIRED (m)	DEPTH ACTUAL (m)	Mordy O2	Cross DIC / TA	Bourbonnais N2O	Bourbonnais N2/Ar	Bourbonnais DiN	Magen CH4	Grebmeier Phyto ID	Mordy Nuts	Mordy Chl	Cooper d18O	Pickart Salts	Collins Genomics	Creamean Particles
1	Bot	50						✓				✓			
2	Bot	50.4											B-22		
3	Bot	50.6		✓				✓		311	138				
4	Bot	50			✓	✓	✓							✓	✓
5	40	40.1		✓				✓		312	138				
6	40	40.3			✓	✓	✓							✓	✓
7	30	30.0		✓				✓		313	139				
8	30	29.9			✓	✓	✓							✓	✓
9	20	20.2		✓				✓		314	138				
10	20	20.2			✓	✓	✓							✓	✓
11	10	10.3		✓				✓		315	138				
12	10	10.6			✓	✓	✓							✓	✓
13	Ø	4.8		✓				✓		316	139	✓			
14	Ø	4.9			✓	✓	✓							✓	✓
15															
16															
17															
18															
19															
20															
21															
22															
23															
24															

Weather log:

Rosette Notes

VESSEL	CRUISE ID	STARTING SCAN #	CTD CONSOLE DRIVER	STATION NAME
USCGC Healy	HLY 1702		Peigen Lin	E-9

CONSC STN #	LATITUDE DEG	LATITUDE MIN		LONGITUDE DEG	LONGITUDE MIN		DATE (UTC) DAY	MO	YR	TIME (UTC) HR	MIN	BTM DEPTH (m)
115	71	41.16	N	158	28.63	W	09	Sep	17	01	42	56

NISKIN	DEPTH DESIRED (m)	DEPTH ACTUAL (m)	Mordy O2	Cross DIC / TA	Bourbonnais N2O	Bourbonnais N2/Ar	Bourbonnais DiN	Magen CH4	Grebmeier Phyto ID	Mordy Nuts	Mordy Chl	Cooper d18O	Pickart Salts	Collins Genomics	Creamean Particles
1	bot	52.4		—											
2	bot	52.4											B20		
3	Surf	5.1		—											
4	Surf	4.8													
5															
6															
7															
8															
9															
10															
11															
12															
13															
14															
15															
16															
17															
18															
19															
20															
21															
22															
23															
24															

Weather log:

Rosette Notes

VESSEL	CRUISE ID	STARTING SCAN #	CTD CONSOLE DRIVER	STATION NAME
USCGC Healy	HLY 1702		Min Li	E-10

CONSC STN #	LATITUDE DEG	LATITUDE MIN		LONGITUDE DEG	LONGITUDE MIN		DATE (UTC) DAY	MO	YR	TIME (UTC) HR	MIN	BTM DEPTH (m)
116	71	38.20	N	158	04.98	W	09	Sept	17	02	51	59

NISKIN	DEPTH DESIRED (m)	DEPTH ACTUAL (m)	Mordy O2	Cross DIC / TA	Bourbonnais N2O	Bourbonnais N2/Ar	Bourbonnais DiN	Magen CH4	Grebmeier Phyto ID	Mordy Nuts	Mordy Chl	Cooper d18O	Pickart Salts	Collins Genomics	Creamean Particles
1	Bot	58.0		✓						317		✓	B18		✓
2	Bot	58.2			✓		✓							✓	✓
3	50	50.2		✓						318	138				✓
4	50	49.9			✓									✓	✓
5	50	50.0	—	ERIC/ANNIE											
6	50	50	—												
7	40	39.5		✓						319	138				✓
8	40	39.4			✓		✓							✓	✓
9	30	30.2		✓						320	139				✓
10	30	30.4			✓		✓							✓	✓
11	20	20.4		✓						321	138				✓
12	20	20.4			✓		✓							✓	✓
13	10	9.9		✓						322	138				✓
14	10	10.3			✓		✓								✓
15	0	5.0		✓						323	139	✓			✓
16	0	4.3			✓		✓							✓	✓
17															
18															
19															
20															
21															
22															
23															
24															

Weather log:
mostly cloudy, with a few rays of sun.

Rosette Notes

VESSEL	CRUISE ID	STARTING SCAN #	CTD CONSOLE DRIVER	STATION NAME
USCGC Healy	HLY 1702		Min Li	SE-1

CONSC STN #	LATITUDE DEG	LATITUDE MIN		LONGITUDE DEG	LONGITUDE MIN		DATE (UTC) DAY	MO	YR	TIME (UTC) HR	MIN	BTM DEPTH (m)
117	71	19.38	N	159	25.12	W	09	Sept	17	06	14	55

NISKIN	DEPTH DESIRED (m)	DEPTH ACTUAL (m)	Mordy O2	Cross DIC / TA	Bourbonnais N2O	Bourbonnais N2/Ar	Bourbonnais DiN	Magen CH4	Grebmeier Phyto ID	Mordy Nuts	Mordy Chl	Cooper d18O	Pickart Salts	Collins Genomics	Creamean Particles
1	Bot	51.4		—						324	138	✓			
2	Bot	51.3											B14		✓
3	40	40.0		—						325	138				
4	40	40.0													✓
5	30	29.8		—						326	139				
6	30	29.9													✓
7	20	19.7		—						327	138				
8	20	19.7													✓
9	10	9.8		—						328	138				
10	10	9.6													✓
11	Ø	4.6		—						329	139	✓			
12	Ø	4.5													✓
13															
14															
15															
16															
17															
18															
19															
20															
21															
22															
23															
24															

Weather log:

Rosette Notes

VESSEL	CRUISE ID	STARTING SCAN #	CTD CONSOLE DRIVER	STATION NAME
USCGC Healy	HLY 1702		Min Li	SE-2

CONSC STN #	LATITUDE DEG	LATITUDE MIN	LONGITUDE DEG	LONGITUDE MIN	DATE (UTC) DAY	DATE (UTC) MO	DATE (UTC) YR	TIME (UTC) HR	TIME (UTC) MIN	BTM DEPTH (m)
118	71	24.45 N	159	45.02 W	09	Sep	17	08	07	49

NISKIN	DEPTH DESIRED (m)	DEPTH ACTUAL (m)	Mordy O2	Cross DIC / TA	Bourbonnais N2O	Bourbonnais N2/Ar	Bourbonnais DiN	Magen CH4	Grebmeier Phyto ID	Mordy Nuts	Mordy Chl	Cooper d18O	Pickart Salts	Collins Genomics	Creamean Particles
1	bot			✓											
2	bot														
3	Surf			✓											
4	Surf														
5															
6															
7															
8															
9															
10															
11															
12															
13															
14															
15															
16															
17															
18															
19															
20															
21															
22															
23															
24															

Weather log:

Rosette Notes

VESSEL	CRUISE ID	STARTING SCAN #	CTD CONSOLE DRIVER	STATION NAME
USCGC Healy	HLY 1702		Min Li	SE-3

CONSC STN #	LATITUDE DEG	LATITUDE MIN		LONGITUDE DEG	LONGITUDE MIN		DATE (UTC) DAY	DATE (UTC) MO	DATE (UTC) YR	TIME (UTC) HR	TIME (UTC) MIN	BTM DEPTH (m)
119	71	29.17	N	160	05.69	W	09	Sep	17	09	22	50m

NISKIN	DEPTH DESIRED (m)	DEPTH ACTUAL (m)	Mordy O2	Cross DIC / TA	Bourbonnais N2O	Bourbonnais N2/Ar	Bourbonnais DiN	Magen CH4	Grebmeier Phyto ID	Mordy Nuts	Mordy Chl	Cooper d18O	Pickart Salts	Collins Genomics	Creamean Particles
1	bot	46			JACKIE										
2	bot	46													
3	bot	46	338	✓					X	330	138	X			
4	bot	46													✓
5	40	40		✓					X	331	138				
6	40	40													✓
7	30	30		✓					X	332	139				
8	30	30													✓
9	20	20		✓					X	333	138				✓
10	20	20													✓
11	10	9.5		✓					X	—	138				
12	10	9.4													✓
13	Surf	4.1	330	✓					X	334	139	X			
14	Surf	4.2													✓
15															
16															
17															
18															
19															
20															
21															
22															
23															
24															

Weather log:

Rosette Notes
Chla Max 30m-Surf
bottle 10 didn't close

VESSEL	CRUISE ID	STARTING SCAN #	CTD CONSOLE DRIVER	STATION NAME
USCGC Healy	HLY 1702		Astrid Pacini	SE-4

CONSC STN #	LATITUDE DEG	LATITUDE MIN		LONGITUDE DEG	LONGITUDE MIN		DATE (UTC) DAY	MO	YR	TIME (UTC) HR	MIN	BTM DEPTH (m)
120	71	33.84	N	160	26.94	W	09	September	17	12	03	

NISKIN	DEPTH DESIRED (m)	DEPTH ACTUAL (m)	Mordy O2	Cross DIC / TA	Bourbonnais N2O	Bourbonnais N2/Ar	Bourbonnais DiN	Magen CH4	Grebmeier Phyto ID	Mordy Nuts	Mordy Chl	Cooper d18O	Pickart Salts	Collins Genomics	Creamean Particles
1	bot-2	46.5		✓											
2	bot-2	46.5													
3	halocl.	28											B10		
4	halocl	28											C1		
5	surf.	3.6		✓											
6	surf.	3.3													
7															
8															
9															
10															
11															
12															
13															
14															
15															
16															
17															
18															
19															
20															
21															
22															
23															
24															

Chris

Weather log:

Rosette Notes

VESSEL	CRUISE ID	STARTING SCAN #	CTD CONSOLE DRIVER	STATION NAME
USCGC Healy	HLY 1702		Astrid Pacini	DE-5

CONSC STN #	LATITUDE DEG	LATITUDE MIN	LONGITUDE DEG	LONGITUDE MIN	DATE (UTC) DAY	DATE (UTC) MO	DATE (UTC) YR	TIME (UTC) HR	TIME (UTC) MIN	BTM DEPTH (m)
121	71	3S.49 N	160	47.52 W	09	September	17	13	28	54

NISKIN	DEPTH DESIRED (m)	DEPTH ACTUAL (m)	Mordy O2	Cross DIC / TA	Bourbonnais N2O	Bourbonnais N2/Ar	Bourbonnais DiN	Magen CH4	Grebmeier Phyto ID	Mordy Nuts	Mordy Chl	Cooper d18O	Pickart Salts	Collins Genomics	Creamean Particles
1	bot-2	46.7			JAC	KIG									
2	bot-2	46.7													
3	bot-2	46.7		✓						—	138	X			✓
4	bot-2	46.7													
5	40	40.1		✓						335	138				✓
6	40	40.1													
7	30	30.1		✓						336	139				✓
8	30	29.9													
9	20	20.0		✓						337	138				✓
10	20	20.0													
11	10	10.2		✓						—	138				✓
12	10	9.7													
13	surf	2.7		✓						338	139	X			✓
14	surf	3.7													
15															
16															
17															
18															
19															
20															
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Weather log:

Rosette Notes

VESSEL	CRUISE ID	STARTING SCAN #	CTD CONSOLE DRIVER	STATION NAME
USCGC Healy	HLY 1702		Astrid Pacini	SE-6

CONSC STN #	LATITUDE DEG	LATITUDE MIN	LONGITUDE DEG	LONGITUDE MIN	DATE (UTC) DAY	DATE (UTC) MO	DATE (UTC) YR	TIME (UTC) HR	TIME (UTC) MIN	BTM DEPTH (m)
122	71	43.26 N	161	08.33 W	09	September	17	16	07	46

NISKIN	DEPTH DESIRED (m)	DEPTH ACTUAL (m)	Mordy O2	Cross DIC / TA	Bourbonnais N2O	Bourbonnais N2/Ar	Bourbonnais DiN	Magen CH4	Grebmeier Phyto ID	Mordy Nuts	Mordy Chl	Cooper d18O	Pickart Salts	Collins Genomics	Creamean Particles
1	bot-2	42		✓											
2	bot-2	42													
3	halocl	28											C2		
4	halocl	28											C3		
5	surf.	4.3		✓											
6	surf.	3.9													
7															
8															
9															
10															
11															
12															
13															
14															
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19															
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21															
22															
23															
24															

Weather log:

Rosette Notes

VESSEL	CRUISE ID	STARTING SCAN #	CTD CONSOLE DRIVER	STATION NAME
USCGC Healy	HLY 1702		Astrid Pacini	SE-7

CONSC STN #	LATITUDE DEG	LATITUDE MIN				LONGITUDE DEG	LONGITUDE MIN				DATE (UTC) DAY	DATE (UTC) MO	DATE (UTC) YR	TIME (UTC) HR	TIME (UTC) MIN	BTM DEPTH (m)
123	71	46	.	45	N	161	35	.	95	W	09	September	17	17	18	48

NISKIN	DEPTH DESIRED (m)	DEPTH ACTUAL (m)	Mordy O2	Cross DIC / TA	Bourbonnais N2O	Bourbonnais N2/Ar	Bourbonnais DiN	Magen CH4	Grebmeier Phyto ID	Mordy Nuts	Mordy Chl	Cooper d18O	Pickart Salts	Collins Genomics	Creamean Particles
1	bot-2	40													
2	bot-2	40													
3	bot-2	40	329	✓						339	138	X			✓
4	bot-2	40													
5	30	30.5		✓						340	139				✓
6	30	30.3													
7	20	20.1		✓						341	138				✓
8	20	20.1													
9	10	10.1		✓						—	138				✓
10	10	10.0													
11	surf	2.9	334	✓						342	139	X			✓
12	surf	2.9													
13															
14															
15															
16															
17															
18															
19															
20															
21															
22															
23															
24															

Weather log:

Rosette Notes

VESSEL	CRUISE ID	STARTING SCAN #	CTD CONSOLE DRIVER	STATION NAME
USCGC Healy	HLY 1702		Peisen Lin	SE-8

CONSC STN #	LATITUDE DEG	LATITUDE MIN		LONGITUDE DEG	LONGITUDE MIN		DATE (UTC) DAY	MO	YR	TIME (UTC) HR	MIN	BTM DEPTH (m)
124	71	52.60	N	161	50.44	W	09	September	17	19	04	41

NISKIN	DEPTH DESIRED (m)	DEPTH ACTUAL (m)	Mordy O2	Cross DIC / TA	Bourbonnais N2O	Bourbonnais N2/Ar	Bourbonnais DiN	Magen CH4	Grebmeier Phyto ID	Mordy Nuts	Mordy Chl	Cooper d18O	Pickart Salts	Collins Genomics	Creamean Particles
1	Bot-2	37													
2	Bot-2	37													
3	Bot-2	37		✓						343		X			
4	Bot-2	37			✓	✓	✓								
5	30	30.1		✓						[illegible]					
6	30	30.1			✓	✓	✓								
7	20	20		✓						34[illegible]					
8	20	20			✓	✓	✓								
9	10	10.5		✓						344					
10	10	10.3			✓	✓	✓								
11	Surf	2.6		✓								X			
12	Surf	2.7			✓	✓	✓								
13															
14															
15															
16															
17															
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Weather log:

Rosette Notes

VESSEL	CRUISE ID	STARTING SCAN #	CTD CONSOLE DRIVER	STATION NAME
USCGC Healy	HLY 1702		Peisen Lin	ST-9

CONSC STN #	LATITUDE DEG	LATITUDE MIN		LONGITUDE DEG	LONGITUDE MIN		DATE (UTC) DAY	MO	YR	TIME (UTC) HR	MIN	BTM DEPTH (m)
125	71	58.18	N	162	05.60	W	09	Sep	17	20	29	33

NISKIN	DEPTH DESIRED (m)	DEPTH ACTUAL (m)	Mordy O2	Cross DIC / TA	Bourbonnais N2O	Bourbonnais N2/Ar	Bourbonnais DiN	Magen CH4	Grebmeier Phyto ID	Mordy Nuts	Mordy Chl	Cooper d18O	Pickart Salts	Collins Genomics	Creamean Particles
1	Bot	31.1										✓			
2	Bot	30.9													
3	Bot	31		✓						345	139				
4	Bot	31													
5	20	20.4		✓						346	138				
6	20	20.4													
7	10	10.1		✓							138				
8	10	10.1													
9	Surf	2.9		✓						347	139	✓			
10	Surf	2.8													
11															
12															
13															
14															
15															
16															
17															
18															
19															
20															
21															
22															
23															
24															

Weather log:

Rosette Notes

VESSEL	CRUISE ID	STARTING SCAN #	CTD CONSOLE DRIVER	STATION NAME
USCGC Healy	HLY 1702		Peigen Lin	S -1

CONSC STN #	LATITUDE DEG	LATITUDE MIN	LONGITUDE DEG	LONGITUDE MIN	DATE (UTC) DAY	DATE (UTC) MO	DATE (UTC) YR	TIME (UTC) HR	TIME (UTC) MIN	BTM DEPTH (m)
126	71	36.57 N	161	37.66 W	09	Sep	17	23	26	47

NISKIN	DEPTH DESIRED (m)	DEPTH ACTUAL (m)	Mordy O2	Cross DIC / TA	Bourbonnais N2O	Bourbonnais N2/Ar	Bourbonnais DiN	Magen CH4	Grebmeier Phyto ID	Mordy Nuts	Mordy Chl	Cooper d18O	Pickart Salts	Collins Genomics	Creamean Particles
1	Bot	44						✓				✓			
2	Bot	44													
3	Bot	44		—						348	138				
4	Bot	44			✓	✓	✓								
5	40	40.4		—				✓			138				
6	40	40.4			✓	✓	✓								
7	30	30.3		—				✓		349	139				
8	30	30.4			✓	✓	✓								
9	20	20.4		—				✓			138				
10	20	20.4			✓	✓	✓								
11	10	10.2		—				✓		350	138				
12	10	10.3			✓	✓	✓								
13	Surf	2.8		—				✓		351	139	✓			
14	Surf	2.6			✓	✓	✓								
15															
16															
17															
18															
19															
20															
21															
22															
23															
24															

Weather log:

Rosette Notes

VESSEL	CRUISE ID	STARTING SCAN #	CTD CONSOLE DRIVER	STATION NAME
USCGC Healy	HLY 1702		Peigen	CEO

CONSC STN #	LATITUDE DEG	LATITUDE MIN	LONGITUDE DEG	LONGITUDE MIN	DATE (UTC) DAY	DATE (UTC) MO	DATE (UTC) YR	TIME (UTC) HR	TIME (UTC) MIN	BTM DEPTH (m)
127	71	35.96 N	161	32.27 W	10	Sept	17	01	13	47

NISKIN	DEPTH DESIRED (m)	DEPTH ACTUAL (m)	Mordy O2	Cross DIC / TA	Bourbonnais N2O	Bourbonnais N2/Ar	Bourbonnais DiN	Magen CH4	Grebmeier Phyto ID	Mordy Nuts	Mordy Chl	Cooper d18O	Pickart Salts	Collins Genomics	Creamean Particles
1	Bot	44													
2	Bot	44													
3	Bot	44		✓						352	139				
4	Bot	44													
5	40	40.6		✓							138				
6	40	40.5													
7	30	30.0		✓						353	139				
8	30	30.1													
9	20	20.4		✓						354	138				
10	20	20.4													
11	10	10.5		✓							138				
12	10	10.5													
13	0	3.5		✓						355	139				
14	0	3.4													
15															
16															
17															
18															
19															
20															
21															
22															
23															
24															

Weather log:

Rosette Notes

VESSEL	CRUISE ID	STARTING SCAN #	CTD CONSOLE DRIVER	STATION NAME
USCGC Healy	HLY 1702		Min Li	S-2

CONSC STN #	LATITUDE DEG	LATITUDE MIN	LONGITUDE DEG	LONGITUDE MIN	DATE (UTC) DAY	DATE (UTC) MO	DATE (UTC) YR	TIME (UTC) HR	TIME (UTC) MIN	BTM DEPTH (m)
128	71	28.77 N	161	30.88 W	10	Sept	17	02	56	48

NISKIN	DEPTH DESIRED (m)	DEPTH ACTUAL (m)	Mordy O2	Cross DIC / TA	Bourbonnais N2O	Bourbonnais N2/Ar	Bourbonnais DiN	Magen CH4	Grebmeier Phyto ID	Mordy Nuts	Mordy Chl	Cooper d18O	Pickart Salts	Collins Genomics	Creamean Particles
1	Bot	45.4						✓				✓			
2	Bot	45.4													
3	Bot	45.4		✓						356	139				✓
4	Bot	45.4			✓	✓	✓								
5	40	39.8		✓				✓			138				✓
6	40	39.7			✓	✓	✓								
7	30	30.0		✓				✓		357	139				✓
8	30	29.9			✓	✓	✓								
9	20	20.1		✓				✓		358	138				✓
10	20	20.0			✓	✓	✓								
11	10	9.9		✓				✓			138				✓
12	10	9.9			✓	✓	✓								
13	0	2.2		✓				✓		359	139	✓			✓
14	0	2.3			✓	✓	✓								
15															
16															
17															
18															
19															
20															
21															
22															
23															
24															

Weather log:

Rosette Notes

VESSEL	CRUISE ID	STARTING SCAN #	CTD CONSOLE DRIVER	STATION NAME
USCGC Healy	HLY 1702		Min Li	S-3

CONSC STN #	LATITUDE DEG	LATITUDE MIN	LONGITUDE DEG	LONGITUDE MIN	DATE (UTC) DAY	DATE (UTC) MO	DATE (UTC) YR	TIME (UTC) HR	TIME (UTC) MIN	BTM DEPTH (m)
129	71	20.92 N	161	24.50 W	10	Sept	17	05	41	48

NISKIN	DEPTH DESIRED (m)	DEPTH ACTUAL (m)	Mordy O2	Cross DIC / TA	Bourbonnais N2O	Bourbonnais N2/Ar	Bourbonnais DiN	Magen CH4	Grebmeier Phyto ID	Mordy Nuts	Mordy Chl	Cooper d18O	Pickart Salts	Collins Genomics	Creamean Particles
1	Bot	44.8										✓			
2	Bot	44.8													
3	Bot	44.7		✓						360	138				
4	Bot	44.6													✓
5	40	40.1		✓							138				
6	40	40.0													✓
7	30	29.9		✓						361	139				
8	30	29.9													✓
9	20	20.0		✓						362	138				
10	20	20.0													✓
11	10	9.9		✓							138				
12	10	10.0													✓
13	0	2.9		✓						363	139				
14	0	3.2										✓			✓
15															
16															
17															
18															
19															
20															
21															
22															
23															
24															

Weather log:

Rosette Notes

VESSEL	CRUISE ID	STARTING SCAN #	CTD CONSOLE DRIVER	STATION NAME
USCGC Healy	HLY 1702		Min li	S-4

CONSC STN #	LATITUDE DEG	LATITUDE MIN	LONGITUDE DEG	LONGITUDE MIN	DATE (UTC) DAY	DATE (UTC) MO	DATE (UTC) YR	TIME (UTC) HR	TIME (UTC) MIN	BTM DEPTH (m)
130	71	13.28 N	161	17.79 W	10	Sept	17	07	55	51 m

NISKIN	DEPTH DESIRED (m)	DEPTH ACTUAL (m)	Mordy O2	Cross DIC / TA	Bourbonnais N2O	Bourbonnais N2/Ar	Bourbonnais DiN	Magen CH4	Grebmeier Phyto ID	Mordy Nuts	Mordy Chl	Cooper d18O	Pickart Salts	Collins Genomics	Creamean Particles
1	bot	46			Jack			✓							
2	bot	46						✓							
3	bot	46	339	✓					✗	364	138	✗			
4	bot	46			✓	✓	✓								✓
5	40	40		✓				✓	✗	365	138				
6	40	40			✓	✓	✓								✓
7	30	30		✓				✓	✗	366	139				
8	30	30			✓	✓	✓								✓
9	20	20		✓				✓	✗	367	138				
10	20	20			✓	✓	✓								✓
11	10	10		✓				✓	✗	—	138				
12	10	10			✓	✓	✓								✓
13	surf	2	332	✓				✓	✗	368	139	✗			
14	surf	2			✓	✓	✓								✓
15															
16															
17															
18															
19															
20															
21															
22															
23															
24															

Weather log:

Rosette Notes

~Chl a max 15m

VESSEL	CRUISE ID	STARTING SCAN #	CTD CONSOLE DRIVER	STATION NAME
USCGC Healy	HLY 1702		Astrid Pacini	S-5

CONSC STN #	LATITUDE DEG	LATITUDE MIN	LONGITUDE DEG	LONGITUDE MIN	DATE (UTC) DAY	DATE (UTC) MO	DATE (UTC) YR	TIME (UTC) HR	TIME (UTC) MIN	BTM DEPTH (m)
131	71	05.29 N	161	11.87 W	10	September	17	10	17	46

NISKIN	DEPTH DESIRED (m)	DEPTH ACTUAL (m)	Mordy O2	Cross DIC / TA	Bourbonnais N2O	Bourbonnais N2/Ar	Bourbonnais DiN	Magen CH4	Grebmeier Phyto ID	Mordy Nuts	Mordy Chl	Cooper d18O	Pickart Salts	Collins Genomics	Creamean Particles
1	bot-2	43.7													
2	bot-2	43.8													
3	bot-2	43.7	✓335	✓						369	138	✗			✓
4	bot-2	43.8													
5	30	30.5		✓						370	139				✓
6	30	30.4													
7	20	20.4		✓						371	138				✓
8	20	20.3													
9	10	10.3		✓						372	138				✓
10	10	10.2													
11	surf	2.2		✓							139	✗			✓
12	surf.	2.1													
13															
14															
15															
16															
17															
18															
19															
20															
21															
22															
23															
24															

Weather log:

Rosette Notes

VESSEL	CRUISE ID	STARTING SCAN #	CTD CONSOLE DRIVER	STATION NAME
USCGC Healy	HLY 1702		Astrid Pacini	S-6

CONSC STN #	LATITUDE DEG	LATITUDE MIN		LONGITUDE DEG	LONGITUDE MIN		DATE (UTC) DAY	MO	YR	TIME (UTC) HR	MIN	BTM DEPTH (m)
132	70	57.67	N	161	05.09	W	10	September	17	12	44	46

NISKIN	DEPTH DESIRED (m)	DEPTH ACTUAL (m)	Mordy O2	Cross DIC / TA	Bourbonnais N2O	Bourbonnais N2/Ar	Bourbonnais DiN	Magen CH4	Grebmeier Phyto ID	Mordy Nuts	Mordy Chl	Cooper d18O	Pickart Salts	Collins Genomics	Creamean Particles
1	bot-2	42.7													
2	bot-2	42.6													
3	bot-2	42.8		✓				✓		373	138	✓			✓
4	bot-2	42.7			✓	✓	✓								
5	30	30.3		✓				✓		374	139				✓
6	30	30.1			✓	✓	✓								
7	20	20.0		✓				✓		375	138				✓
8	20	20.0			✓	✓	✓								
9	10	10.4		✓				✓		376	138				✓
10	10	10.4			✓	✓	✓								
11	surf.	1.9	✓336	✓				✓		377	139	✓			✓
12	surf.	2.4			✓	✓	✓								
13															
14															
15															
16															
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18															
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22															
23															
24															

Weather log:

Rosette Notes

VESSEL	CRUISE ID	STARTING SCAN #	CTD CONSOLE DRIVER	STATION NAME
USCGC Healy	HLY 1702		Peisen Lin	HAB - 2

CONSC STN #	LATITUDE DEG	LATITUDE MIN	LONGITUDE DEG	LONGITUDE MIN	DATE (UTC) DAY	DATE (UTC) MO	DATE (UTC) YR	TIME (UTC) HR	TIME (UTC) MIN	BTM DEPTH (m)
133	70	33.94 N	163	44.62 W	10	September	17	18	32	44

NISKIN	DEPTH DESIRED (m)	DEPTH ACTUAL (m)	Mordy O2	Cross DIC / TA	Bourbonnais N2O	Bourbonnais N2/Ar	Bourbonnais DiN	Magen CH4	Grebmeier Phyto ID	Mordy Nuts	Mordy Chl	Cooper d18O	Pickart Salts	Collins Genomics	Creamean Particles
1	Bot-2	42		✓						378	138				✓
2	Bot-2	42													
3	30	30.1		✓						379	139				✓
4	30	30.1													
5	20	20.5		✓						380	138				✓
6	20	20.4													
7	10	10.4		✓						381	138				✓
8	10	10.5													
9	Surf	3.1		✓						382	139				✓
10	Surf	3.1													
11															
12															
13															
14															
15															
16															
17															
18															
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23															
24															

Weather log:

Rosette Notes

VESSEL	CRUISE ID	STARTING SCAN #	CTD CONSOLE DRIVER	STATION NAME
USCGC Healy	HLY 1702		Peigen Lin	DBO1.8

CONSC STN #	LATITUDE DEG	LATITUDE MIN		LONGITUDE DEG	LONGITUDE MIN		DATE (UTC) DAY	DATE (UTC) MO	DATE (UTC) YR	TIME (UTC) HR	TIME (UTC) MIN	BTM DEPTH (m)
134	63	01.46	N	173	27.74	W	12	September	17	19	58	73

NISKIN	DEPTH DESIRED (m)	DEPTH ACTUAL (m)	Mordy O2	Cross DIC / TA	Bourbonnais N2O	Bourbonnais N2/Ar	Bourbonnais DiN	Magen CH4	Grebmeier Phyto ID	Mordy Nuts	Mordy Chl	Cooper d18O	Pickart Salts	Collins Genomics	Creamean Particles
✓ 1	Bot	69	—												
✗ 2	Bot	68.2	—	J	A	C	K		E						
3	Bot	68.4	340	✓				✓		383		✓			✓
4	Bot	68.7			✓	✓	✓							✓	
5	50	50.5		✓				✓		384	138				✓
6	50	50.9			✓	✓	✓								
7	40	40.8		✓				✓		✓	138				✓
8	40	40.5			✓	✓	✓							✓	
9	30	30.5		✓				✓		385	139				✓
10	30	30.2			✓	✓	✓								
11	20	20.1		✓				✓		386	138				✓
12	20	20.0			✓	✓	✓							✓	
13	10	10.6		✓				✓		387	138				✓
~~14~~	~~10~~	~~10.2~~			✓	✓	✓								
15	Ø	2.3	341	✓				✓		✓	139	✓			✓
16	Ø	4.2			✓	✓	✓							✓	✓
17															must have!
18															
19															
20															
21															
22															
23															
24															

Weather log:

Rosette Notes

+3

VESSEL	CRUISE ID	STARTING SCAN #	CTD CONSOLE DRIVER	STATION NAME
USCGC Healy	HLY 1702		Pelgen Lin	DB01.7

CONSC STN #	LATITUDE DEG	LATITUDE MIN		LONGITUDE DEG	LONGITUDE MIN		DATE (UTC) DAY	MO	YR	TIME (UTC) HR	MIN	BTM DEPTH (m)
135	62	97.13	N	173	30.10	W	12	Sep	17			71

NISKIN	DEPTH DESIRED (m)	DEPTH ACTUAL (m)	Mordy O2	Cross DIC / TA	Bourbonnais N2O	Bourbonnais N2/Ar	Bourbonnais DiN	Magen CH4	Grebmeier Phyto ID	Mordy Nuts	Mordy Chl	Cooper d18O	Pickart Salts	Collins Genomics	Creamean Particles
1	Bot	66													
2	Bot	66													
3															
4															
5															
6															
7															
8															
9															
10															
11															
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22															
23															
24															

Weather log:

Rosette Notes

VESSEL	CRUISE ID	STARTING SCAN #	CTD CONSOLE DRIVER	STATION NAME
USCGC Healy	HLY 1702		Peigen Lin	DBO 1.6

CONSC STN #	LATITUDE DEG	LATITUDE MIN	LONGITUDE DEG	LONGITUDE MIN	DATE (UTC) DAY	DATE (UTC) MO	DATE (UTC) YR	TIME (UTC) HR	TIME (UTC) MIN	BTM DEPTH (m)
136	62	33.46 N	173	33.07 W	13	Sep	17	00	56	67

NISKIN	DEPTH DESIRED (m)	DEPTH ACTUAL (m)	Mordy O2	Cross DIC / TA	Bourbonnais N2O	Bourbonnais N2/Ar	Bourbonnais DiN	Magen CH4	Grebmeier Phyto ID	Mordy Nuts	Mordy Chl	Cooper d18O	Pickart Salts	Collins Genomics	Creamean Particles
1	Bot	63.5		JACKIE								✓			
2	Bot	63.2													
3	Bot	63.4		✓				✓		388					
4	Bot	63.5			✓	✓	✓							✓	
5	50	50.2		✓				✓		389	138				
6	50	50.3			✓	✓	✓							✓	
7	40	40.5		✓				✓			138			✓	
8	40	40.1			✓	✓	✓								
9	30	30.5		✓				✓		390	139				
10	30	30.1			✓	✓	✓							✓	
11	20	20.4		✓				✓		391	138				
12	20	20.8			✓	✓	✓							✓	
13	10	10.2		✓				✓		392	138				
14	10	10.4			✓	✓	✓								
15	Surf	2.9		✓				✓			139	✓			
16	Surf	2.2			✓	✓	✓							✓	
17															
18															
19															
20															
21															
22															
23															
24															

Weather log:

Rosette Notes

new bottle @ position 14 since it may have had an issue last time

VESSEL	CRUISE ID	STARTING SCAN #	CTD CONSOLE DRIVER	STATION NAME
USCGC Healy	HLY 1702		Min Li	DB01.5

CONSC STN #	LATITUDE DEG	LATITUDE MIN		LONGITUDE DEG	LONGITUDE MIN		DATE (UTC) DAY	MO	YR	TIME (UTC) HR	MIN	BTM DEPTH (m)
137	62	27.98	N	174	04.99	W	13	Sept	17	03	57	70

NISKIN	DEPTH DESIRED (m)	DEPTH ACTUAL (m)	Mordy O2	Cross DIC / TA	Bourbonnais N2O	Bourbonnais N2/Ar	Bourbonnais DiN	Magen CH4	Grebmeier Phyto ID	Mordy Nuts	Mordy Chl	Cooper d18O	Pickart Salts	Collins Genomics	Creamean Particles
1	bot	65.3													
2	bot	65.3													
3															
4															
5															
6															
7															
8															
9															
10															
11															
12															
13															
14															
15															
16															
17															
18															
19															
20															
21															
22															
23															
24															

Weather log:

Rosette Notes

VESSEL	CRUISE ID	STARTING SCAN #	CTD CONSOLE DRIVER	STATION NAME
USCGC Healy	HLY 1702		Min Li	DB01.4

CONSC STN #	LATITUDE DEG	LATITUDE MIN	LONGITUDE DEG	LONGITUDE MIN	DATE (UTC) DAY	DATE (UTC) MO	DATE (UTC) YR	TIME (UTC) HR	TIME (UTC) MIN	BTM DEPTH (m)
138	62	23.25 N	174	34.49 W	13	Sept	17	05	18	73

NISKIN	DEPTH DESIRED (m)	DEPTH ACTUAL (m)	Mordy O2	Cross DIC / TA	Bourbonnais N2O	Bourbonnais N2/Ar	Bourbonnais DiN	Magen CH4	Grebmeier Phyto ID	Mordy Nuts	Mordy Chl	Cooper d18O	Pickart Salts	Collins Genomics	Creamean Particles
1	Bot	68.2						✓				✓			
2	Bot	69.2													
3	Bot	69.0		✓				✓		393					
4	Bot	68.4	337		✓	✓	✓							✓	
5	50	49.9		✓				✓		394	138				
6	50	49.4			✓	✓	✓								
7	40	40.3		✓				✓		395	138				
8	40	39.6			✓	✓	✓							✓	
9	30	30.0		✓				✓		396	139				
10	30	29.8			✓	✓	✓							✓	
11	20	20.1		✓				✓		397	138				
12	20	20.0			✓	✓	✓								
13	10	9.8		✓				✓		398	138				
14	10	9.9			✓	✓	✓								
15	0	2.6		✓				✓			139				
16	0	3.1			✓	✓	✓					✓		✓	
17															
18															
19															
20															
21															
22															
23															
24															

JACKIE

Weather log:

Rosette Notes

VESSEL	CRUISE ID	STARTING SCAN #	CTD CONSOLE DRIVER	STATION NAME
USCGC Healy	HLY 1702		Min Li	DBO h3

CONSC STN #	LATITUDE DEG	LATITUDE MIN	LONGITUDE DEG	LONGITUDE MIN	DATE (UTC) DAY	DATE (UTC) MO	DATE (UTC) YR	TIME (UTC) HR	TIME (UTC) MIN	BTM DEPTH (m)
139	62	13.08 N	174	53.02 W	13	Sept	17	08	17	77

NISKIN	DEPTH DESIRED (m)	DEPTH ACTUAL (m)	Mordy O2	Cross DIC / TA	Bourbonnais N2O	Bourbonnais N2/Ar	Bourbonnais DiN	Magen CH4	Grebmeier Phyto ID	Mordy Nuts	Mordy Chl	Cooper d18O	Pickart Salts	Collins Genomics	Creamean Particles
1	bot	73.0													
2	bot	73.0													
3															
4															
5															
6															
7															
8															
9															
10															
11															
12															
13															
14															
15															
16															
17															
18															
19															
20															
21															
22															
23															
24															

Weather log:

Rosette Notes

VESSEL	CRUISE ID	STARTING SCAN #	CTD CONSOLE DRIVER	STATION NAME
USCGC Healy	HLY 1702		Min Li	DBO 1.2

CONSC STN #	LATITUDE DEG	LATITUDE MIN	LONGITUDE DEG	LONGITUDE MIN	DATE (UTC) DAY	DATE (UTC) MO	DATE (UTC) YR	TIME (UTC) HR	TIME (UTC) MIN	BTM DEPTH (m)
140	62	02.66 N	175	12.65 W	13	Sept	17	09	43	83

NISKIN	DEPTH DESIRED (m)	DEPTH ACTUAL (m)	Mordy O2	Cross DIC / TA	Bourbonnais N2O	Bourbonnais N2/Ar	Bourbonnais DiN	Magen CH4	Grebmeier Phyto ID	Mordy Nuts	Mordy Chl	Cooper d18O	Pickart Salts	Collins Genomics	Creamean Particles
1	bot	78.5		broke				✓							
2	bot	78.5													
3	bot	78.5		✓						399		✓			
4	bot	78.5			✓	✓	✓							✓	
5	75	74.7		✓				✓							
6	75	74.7					✓								
7	50	50.0		✓				✓		400	138				
8	50	50.0			✓	✓	✓								
9	40	40.0		✓				✓		✓401	138				
10	40	40.0			✓	✓	✓							✓	
11	30	30.1		✓				✓		✓402	139			✓	
12	30	30.1			✓	✓	✓								
13	20	20.0		✓				✓			138				
14	20	20.0			✓	✓	✓								
15	10	10.0		✓						✓403	138				
16	10	10.0			✓	✓	✓								
17	Surf	2.4	✓353	✓				✓		✓404	139	✓			
18	Surf	2.4			✓	✓	✓							✓	
19															
20															
21															
22															
23															
24															

Weather log:

Rosette Notes
12 did not fire

VESSEL	CRUISE ID	STARTING SCAN #	CTD CONSOLE DRIVER	STATION NAME
USCGC Healy	HLY 1702		Astrid Pacini	DBO 11

CONSC STN #	LATITUDE DEG	LATITUDE MIN	LONGITUDE DEG	LONGITUDE MIN	DATE (UTC) DAY	DATE (UTC) MO	DATE (UTC) YR	TIME (UTC) HR	TIME (UTC) MIN	BTM DEPTH (m)
141	62	00.40 N	175	03.16 W	13	September	17	11	41	82

NISKIN	DEPTH DESIRED (m)	DEPTH ACTUAL (m)	Mordy O2	Cross DIC / TA	Bourbonnais N2O	Bourbonnais N2/Ar	Bourbonnais DiN	Magen CH4	Grebmeier Phyto ID	Mordy Nuts	Mordy Chl	Cooper d18O	Pickart Salts	Collins Genomics	Creamean Particles
1	bot	77	JACKIE / ERIC												
2	bot	77													
3	bot	77													
4	bot	77			✓	✓	✓								
5	bot	77	✓ 343	✓						✓ 405		X			
6	75	75.6					✓								
7	75	75.5		✓											
8	50	50.8					✓								
9	50	50.8		✓						✓ 406	138				
10	40	40.4					✓								
11	40	40.4		✓						✓ 407	138				
12	30	30.4					✓								
13	30	30.5		✓						✓ 408	139				
14	30	30.4					✓								
15	20	19.8		✓							138				
16	20	20.3					✓								
17	10	10.1		✓						✓ 409	138				
18	10	10.0					✓								
19	surf.	2.8		✓						✓ 410	139	X			
20	surf.	2.7					✓								
21	surf.	2.8													
22															
23															
24															

Weather log:

Rosette Notes