

VESSEL USCG Healy		CRUISE ID H10802		PROJECT & LEG BEST/BSIERP_Spring'08		Ship Designation (I.D.) 1H0802		STATION NO. 1																									
CONSC CAST #		LATITUDE		LONGITUDE		DATE JD=		TIME (GMT)		DRY BULB		WET BULB		PRESSURE		SEA STATE		VISIBILITY		WIND DIRN.		WIND SPD.		CLOUD (amt)		TYPE		WEATHER		BOTTOM DEPTH		STA. NAME/ID	
00156011.96N		17116.28W		30MAR08		2227		1.6		0.2		11118		2755NP15																			
SBE 9+		FLUOR S/N		0.88234																													
PRESS SN		CTD-639 8302		SBE43-Oxy (prime)		459																											
PRI TEMP SN		2855		SBE43-Oxy (sec)																													
SEC TEMP SN		2796		Transmissometer		CST-390DR																											
PRI COND SN		2568		PAR S/N		DTF																											
SEC COND SN		2561		O ₂ temp. sensor		72560120																											

NIS	DEPTH	Roset.	Hydro Team-PMEL			Weingartner	Greiner	Masha		Sambrotto		Harvey	Moran/	DIC	Shull	Sherr	Pat	Roif	NIS	
			DESIRED	notes	SALT			NUTS	O ₂ -Btl/No	O ₂ Temp	CHL									Frac CHL
1	2000	✓	8/13	1	✓	166	2.6													
2	1500	✓	8/14	2	✓	165	2.9													
3	1200	✓	8/15	3	✓	164	3.0													
4	900	✓	8/16	4	✓	163	3.3													
5	500	✓	8/17	5	✓	171	3.8													
6	100	✓	8/18	6	✓	169	3.0													
7	50	✓		7	✓	168	1.3													
8	40	✓		8	✓	167	1.2													
9	20	✓		9	✓	196	1.2													
10	10	✓		10	✓	197	1.2													
11	0	✓		11	✓	182	1.2													
12	0	✓		12	✓	173	1.2													

ICE LOG: Surface Ice Conditions or Proximity to ice edge

O-DNA

Rosette Notes:

* CHL MAX

0
10
20
30
40
50
100
200
300
400
500
600

VESSEL USCG Healy		CRUISE ID H10802		PROJECT & LEG BEST/BSIERP_Spring'08		Ship Designation (I.D.) H10802		STATION NO. 1																																							
CONSC CAST #		LATITUDE		LONGITUDE		DATE JD=		TIME (GMT)		DRY BULB		WET BULB		PRESSURE		SEA STATE		VISIBILITY		WIND DIRN.		WIND SPD.		CLOUD (amt)		WEATHER		BOTTOM DEPTH		STA. NAME/ID																	
DEG		MIN		DEG		MIN		DAY		MO		YR		HR		MIN		(°C)		(°C)		(mb)		*		*		(deg)		(kts)		*		*		(m)											
002		5603		19 N		171		17		69 W		31		M		A		R		08		13		59		2		7		92		171		21		2768		NP15									
SBE 9+						FLUOR S/N																																									
PRESS SN						SBE43-Oxy (prime)																																									
PRI TEMP SN						SBE43-Oxy (sec)																																									
SEC TEMP SN						Transmissometer																																									
PRI COND SN						PAR S/N																																									
SEC COND SN																																															
NIS		DEPTH		Roset.		Hydro Team-PMEL		Weingartner		Grebmeier		Masha		Sambrotto		Harvey		Moran/		DIC		Shull		Sherr		Pat		Rolf		NIS																	
No		DESIRED		notes		SALT		NUTS		O2-Btl.No		O2 Temp		CHL.		Frac CHL.		018		Cooper		013N		N2/Air		Prod		DON		Lessard		Lomas		ALK		Radon		Sherr		Pat		Rolf		NIS			
1		600																																												1	
2		506																																										2			
3		400																																								3					
4		300																																								4					
5		250																																								5					
6		150																																								6					
7		60																																								7					
8		40																																								8					
9		30																																								9					
10		20																																								10					
11		10																																								11					
12		0																																								12					

ICE LOG: Surface Ice Conditions or proximity to ice edge

Rosette Notes:

REMARKS
6 HYPON/7th Cast

MAX. DEPTH = m

VESSEL USCG Healy		CRUISE ID H10802		PROJECT & LEG BEST/BSIERP-Spring'08		Ship Designation (I.D.) H10802		STATION NO. 1																																					
CONSC CAST #		LATITUDE		LONGITUDE		DATE JD=		TIME (GMT)		DRY BULB		WET BULB		PRESSURE		SEA STATE		VISIBILITY		WIND DIRN.		WIND SPD.		CLOUD (amt)		WEATHER		BOTTOM DEPTH		STA. NAME/ID															
003		56.03.49 N		171.11.74 W		31 MAR 08		1706		2.5		.		90		188		17		NP		15																							
DEG		MIN		DEG		MIN		DAY		MO		YR		HR		MIN		(°C)		(°C)		(mb)		*		*		(deg)		(kts)		*		*		(m)									
SBE 9+				FLUOR S/N																																									
PRESS SN				SBE43-Oxy (prime)																																									
PRI TEMP SN				SBE43-Oxy (sec)																																									
SEC TEMP SN				Transducer																																									
PRI COND SN				PAR S/N		V7																																							
SEC COND SN																																													
NIS		DEPTH		Roset.		Hydro Team-PMEL		Wetgarter		Grebnreier		Masha		Sambrotto		Harvey		Moran/		DIC		Shull		Sherr		Pat		Roff		NIS															
No.		DESIRED		notes		SALT		NUTS		O2-Btl.No		O2 Temp		CHL.		Frac CHL.		O18		Cooper		B15N		N2/Ar		Prod		DON		Lessard		Lomas		ALK		Radon		Sherr		Pat		Roff		NIS	
1		100						13																																					
2		115		DID NOT FIRE		B/19		14																																					
3		25						15																																					
4		60						15																																					
5		44				B/20		16																																					
6		36		MA				1																																					
7		36		MA				17																																					
8		30						18																																					
9		15		MA				1																																					
10		15		MA				19																																					
11		10		B/21				20																																					
12		0						21																																					

ICE LOG: Surface Ice Conditions or proximity to ice edge

No Ice - Slope waters

X

Niskin was tripped at 100m during cast 003X. 003X was a prior cast. PAR voltage 7 was needed in a plot format so Niskin was tripped then CTD was brought to surface & cast ended. CTD remained in water and cast 003 was started. Niskin 2 did not close. Niskins 3-12 were as listed.

AB

VESSEL USCG Healy		CRUISE ID H10802		PROJECT & LEG BEST/BSIERP_Spring'08		Ship Designation (I.D.) 1H0802		STATION NO. 2																									
CONSC CAST #		LATITUDE		LONGITUDE		DATE JD=		TIME (GMT)		DRY BULB		WET BULB		PRESSURE		SEA STATE		VISIBILITY		WIND DIRN.		WIND SPD.		CLOUD (amt)		TYPE		WEATHER		BOTTOM DEPTH		STA. NAME/ID	
004		56.16.79 N		171.05.76 W		01 APR 08		0210		11.7		.		90		260		25		138		NP 14											
DEG		MIN		DEG		MIN		DAY		MO		YR		HR		MIN		(°C)		(°C)		(mb)		*		*		(deg)		(kts)		(m)	
SBE 9+				FLUOR S/N																													
PRESS SN				SBE43-Oxy (prime)																													
PRI TEMP SN				SBE43-Oxy (sec)																													
SEC TEMP SN				Transmissometer																													
PRI COND SN				PAR S/N																													
SEC COND SN																																	

REMARKS																															
MAX DEPTH =		130		m																											

NIS		DEPTH		Roset.		Hydro Team-PMEL		Weingartner		Grebmeier		Masha		Sambrotto		Harvey		Moran/		DIC		Shull		Sherr		Pat		Rolf		NIS									
No		DESIRED		notes		SALT		NUTS		O2-Btl No		O2 Temp		CHL		Frac CHL		O18		Cooper		δ15N		N2/Ar		Prod		DON		Lessard		Lomas		Radon		Th		No	
1		bxt ³⁹		✓		B22		22.2		206		3.6		6.1				13		X		✓														1			
2		120		✓				23.1														✓												2					
3		100		✓				24.1												X		✓												3					
4		75		✓				25.1												X		✓												4					
5		50		✓		B23		26.1												X		✓												5					
6		40		✓				27.1						5.1						✓		✓												6					
7		30		✓				28.1						4.1						✓		✓												7					
8		20		✓				29.1						3.1						✓		✓												8					
9		10		✓		B24		30.1						2.1				-14				✓												9					
10		0		✓				31.1		205		2.0		1.1				-15		X		✓												10					
11																																		11					
12																																		12					

ICE LOG: Surface Ice Conditions or proximity to ice edge

Rosette Notes: * CMI not

CTD end 11:02

VESSEL USCG Healy		CRUISE ID H10802		PROJECT & LEG BEST/BSIERP_Spring08		Ship Designation (I.D.) 110802		STATION NO. 3																																					
CONSC CAST #		Fe dows 56030.50		Fe dows 170° 48.88		DATE JD=		TIME (GMT) 0949		DRY BULB		WET BULB		PRESSURE		SEA STATE		VISIBILITY		WIND DIRN.		WIND SPD.		CLOUD (amt)		TYPE		WEATHER		BOTTOM DEPTH		STA. NAME/ID													
DEG		MIN		DEG		MIN		DAY		MO		YR		HR		MIN		(°C)		(°C)		(mb)		*		*		(deg)		(kts)		*		*		(m)									
005		5630		54		N		170		48		.88		W		01		A		P		R		0		8		10		43		1.3		96		240		31		172		NP		13	
REMARKS CTD/EE To start 0949 To finish FL002																																													
SBE 9+ PRESS SN PRI TEMP SN SEC TEMP SN PRI COND SN SEC COND SN																																													
FLUOR S/N SBE43-Oxy (prime) SBE43-Oxy (sec) Transmissometer PAR S/N																																													
MAX DEPTH = m																																													

NIS	DEPTH	Roset.	Hydro Team-PMEL					Weingartner	Grebmeier	Masha		Sambrotto		Harvey	Moran/	DIC	Shull	Sherr	Pat	Rolf	NIS	
No	DESIRED	notes	SALT	NUTS	O2-Bt/No	O2 Temp	CHL.	Frac CHL.	O18	Cooper	δ15N	δ13C	Prod	DON	Lessard	Lomas	Axx	Radon		Th		No
1	60		D/1	✓ 32	546	2.2			✓ 016								✓					1
2	100		O/2	✓ 33	✓ 544	2.2					✓						✓					2
3	60			✓ 34			✓ 6	✓ 12			✓						✓					3
4	40			✓ 35			✓ 5	✓ 11			✓						✓					4
5	80			✓ 36			✓ 4	✓ 10									✓					5
6	20																✗					6
7	20			✓ 37	✓		✓ 3	✓ 9			✓											7
8	10			✓ 38			✓ 2	✓ 8									✗					8
9	0			✓ 140			✓ 1	✓ 7			✓						✗					9
10																						10
11																						11
12																						12

ICE LOG: Surface Ice Conditions or proximity to ice edge

Rosette Notes:

L - Lecher

no 018 for Weingartner

DIC/AIC

Q 10 20 40 60 80 100

bot, 100, 60m 50 40, 30, 20, 10, 0, 40m max

missing mid bottom 30m = ?

VESSEL USCG Healy		CRUISE ID H10802		PROJECT & LEG BEST/BSIERP_Spring 08		Ship Designation (I.D.) H10802		STATION NO. 3	
CONSC CAST #		LATITUDE		LONGITUDE		DATE JD=		TIME (GMT)	
DEG MIN		DEG MIN		DEG MIN		DAY MO YR		HR MIN	
00 6 56		42 . 83		N 1 75 33 . 67		W 01 A P R 08		13 41	
SBE 9+		FLUOR S/N		SBE43-Oxy (prime)		SBE43-Oxy (sec)		Transmissometer	
PRESS SN		PAR S/N		PAR S/N		PAR S/N		PAR S/N	
PRI TEMP SN		PRI COND SN		PRI COND SN		PRI COND SN		PRI COND SN	
SEC TEMP SN		SEC COND SN		SEC COND SN		SEC COND SN		SEC COND SN	
SEC COND SN		SEC COND SN		SEC COND SN		SEC COND SN		SEC COND SN	
NIS		Roset.		Hydro Team-PMEL		Weingartner		Grebeiner	
No		DESIRED		notes		SALT		NUTS	
O2-Bit/No		O2 Temp		CHL.		Frac CHL.		018	
Cooper		Massha		Sambrotto		Harvey		Moran/ DIC	
Shull		Sherr		Pat		Rolf		No.	
1		20							
2		20							
3		20							
4		20							
5		22							
6		22							
7									
8									
9									
10									
11									
12									

ICE LOG: Surface Ice Conditions or proximity to ice edge

Rosette Notes:

REMARKS

LESSARD COAT

MAX. DEPTH = m

VESSEL USCG Healy		CRUISE ID H10802		PROJECT & LEG BEST/BSIERP_Spring'08		Ship Designation (I.D.) 1H0802		STATION NO. 6	
CONSC CAST #		LATITUDE		LONGITUDE		DATE JD=		TIME (GMT)	
DEG		MIN		DEG		MIN		DAY	
MO		YR		HR		MIN		SEC	
0095218.60N		16955.09W		01APR08		2218-3.2		05	
SBE 9+		FLUOR S/N		SBE43-Oxy (prime)		SBE43-Oxy (sec)		Transmissometer	
PRESS SN		SBE43-Oxy (prime)		SBE43-Oxy (sec)		Transmissometer		PAR S/N	
PRI TEMP SN		SBE43-Oxy (prime)		SBE43-Oxy (sec)		Transmissometer		PAR S/N	
SEC TEMP SN		SBE43-Oxy (prime)		SBE43-Oxy (sec)		Transmissometer		PAR S/N	
PRI COND SN		SBE43-Oxy (prime)		SBE43-Oxy (sec)		Transmissometer		PAR S/N	
SEC COND SN		SBE43-Oxy (prime)		SBE43-Oxy (sec)		Transmissometer		PAR S/N	
REMARKS									
MAX. DEPTH = m									

NIS	DEPTH	Roset.	Hydro Team-PMEL				Weingartner	Grebmeier	Masha		Sambrotto		Harvey	Moran/	DIC	Shull	Sherr	Pat	Rolf	NIS	
No.	DESIRED	notes	SALT	NUTS	O2-Btl.No	O2 Temp	CHL.	Frac CHL.	O18	Cooper	D15N	N2/Ar	Prod	DON	Lessard	Lomas	ALK	Radon		Th	No.
1	55	✓		56E			1		23												1
2	40	✓		57F			2														2
3	30	✓	D/9	58F			3														3
4	20	✓	D/10	59F			4														4
5	10	✓		60F			5		24												5
6	0	✓		61F	120* 113		6		25												6
7																					7
8																					8
9																					9
10																					10
11																					11
12																					12

ICE LOG: Surface Ice Conditions or proximity to ice edge

Broken slushy ice all around

Rosette Notes:

* O₂ work/leaks, Bottle 120 had sample tip on NaOH
Bottle 113 - ~~test~~ no sample tip.

VESSEL USCG Healy		CRUISE ID H10802		PROJECT & LEG BEST/BSERP Spring'08		Ship Designation (I.D.) H10802		STATION NO. 8																																	
CONSC CAST #		LATITUDE		LONGITUDE		TIME (GMT)		DRY BULB		WET BULB		PRESSURE		SEA STATE		VISIBILITY		WIND DIRN.		WIND SPD.		CLOUD (amt)		TYPE		WEATHER		BOTTOM DEPTH		STA. NAME/ID											
DEG		MIN		DEG		MIN		DAY		MO		YR		HR		MIN		(°C)		(°C)		(mb)		*		*		(deg)		(kts)		*		*		(m)					
011		5740.		86N		16931.		45W		02		APR		08		0332		-3.1						11				300		10						69M		P8			
SBE 9+				FLUOR S/N				REMARKS		2 buoy structure in salt																															
PRESS SN				SBE43-Oxy (pHme)				number all max on bottom																																	
PIL TEMP SN				SBE43-Oxy (sec)																																					
SEC TEMP SN				Transmissometer																																					
PIL COND SN				PAR S/N																																					
SEC COND SN				O2 Temp Sensor No.																																					
NIS		DEPTH		Roset.		Hydro Team-PWEL		Weingartner		Grebnreier		Mashta		Sambrotto		Harvey		Moran/		DIC		Shull		Sherr		Pat		Katrin		NIS											
No.		DESIRED		notes		SALT		NUTS		O2-BU.No		O2 Temp		CHL.		Frac CHL.		O18		Cooper		O15N		O2/Ar		Prod		DON		Lessard		Lomas		ALK		Radon					
1		65		✓		✓		69F		132				6				29		✓																					
2		50		✓		✓		70F														✓																			
3		40		✓		✓		71F						5																											
4		30		✓		✓		72F						4						✓																					
5		20		✓		✓		73F						3								✓																			
6		10		✓		✓		74F						2				30																							
7		0		✓		✓		75F						1				31		✓																					
8																																									
9																																									
10																																									
11																																									
12																																									

ICE LOG: Surface Ice Conditions or proximity to ice edge

penetrate ice - 60% coverage

Rosette Notes:

* CSD max in bottom bottle

For cast preceded

M4

VESSEL		CRUISE ID		PROJECT & LEG		Ship Designation (I.D.)		STATION NO.												
USCG Healy		H10802		BEST/BSERP Spring 08		1H0802		9												
CONSC	LATITUDE	LONGITUDE		TIME (GMT)		DRY BULB	WET BULB	PRESSURE	SEA STATE	VISIBILITY	WIND DIRN.	WIND SPD.	CLOUD (amt)	WEATHER	BOTTOM DEPTH	STA. NAME/ID				
CAST #	DEG MIN	DEG MIN	DAY MO YR	HR MIN	(°C)	(°C)	(mb)	*	*	(deg)	(kts)	*	*	*	(m)					
0125755	17 N	169 11	56 W 02A P R 08	0757-3.3			16				27010				NPT	Near				
REMARKS Process Station SH CTD Cast																				
Temperature and																				
SBE 9+ FLUOR S/N																				
PRESS SN SBE43-Oxy (prime)																				
PRI TEMP SN SBE43-Oxy (sec)																				
SEC TEMP SN Transmissometer																				
PRI COND SN PAR S/N																				
SEC COND SN 02 Temp Sensor No.																				
NS	DEPTH	Roset	Hydro Team-PMEL	Winganner	Gredmeier	Masla	Sambrotto	Harvey	Moran/	DIC	Shull	Sherr	Pat	Katrin	NS					
No.	DESIRED	notes	SALT	NUTS	02-Btl No	02 Temp	CHL	Frac CHL	018	Cooper	015N	02/Air	Prod	DOH	Lessard	Lomas	ALK	Radon	Th	No.
1	60'		D13	176			16	12	32	✓										1
2	60'		D13	177							✓									2
3	50'			178	142															3
4	50'																			4
5	40'			179			15	11			✓									5
6	40'										✓									6
7	30		D14	135			14	10		✓										7
8	20		D15	181			13	9			✓									8
9	20																			9
10	10			182	1		12	8	33		✓									10
11	10																			11
12	0	✓		184			11	7	34	✓	✓									12

ICE LOG: Surface Ice Conditions or proximity to ice edge
open area amid broken ice

#12-leak

Rosette Notes:

leak

194

VESSEL USCG Healy		CRUISE ID H10802		PROJECT & LEG BEST/BSERP_Spring08		Ship Designation (I.D.) 1H0802		STATION NO. 9										
CONSC CAST #	LATITUDE		LONGITUDE		TIME (GMT)		DRY BULB	WET BULB	PRESSURE	SEA STATE	VISIBILITY	WIND DIRN.	WIND SPD.	CLOUD (amt)	WEATHER	BOTTOM DEPTH	STA. NAME/ID	
	DEG	MIN	DEG	MIN	DAY	MO	YR	HR	MIN	(°C)	(°C)	(mb)	*	(deg)	(kts)	*	(m)	
0135755.80 N			169 11.48 W		02	A	P	08	0955	3.1		15	*	20908			67	NP7
SBE 9+ _____ FLUOR S/N _____ PRESS SN _____ SBE43-Oxy (prime) _____ PRT TEMP SN _____ SBE43-Oxy (sec) _____ SEC TEMP SN _____ Transducer _____ PRT COND SN _____ PAR S/N _____ SEC COND SN _____ O2 Temp Sensor No. _____																		
REMARKS 2007.42																		
MAX. DEPTH = _____ m																		
NO	DEPTH	ROSET.	Hydro Team-PMEL	Wiegarter	Grebmeier	Masha	Sambrotto	Harvey	Moran/	DIC	Snell	Sherr	Pat	Katrin	NO			
	DESIRED	notes	SALT	NUTS	O2-B/L No	O2 Temp	CHL.	Frac CHL.	O18	Cooper	015N	O2/Air	Prod	DON	Lessard	Lomas	ALK	Radon
1	15																	
2	15																	
3	15																	
4	15																	
5	15																	
6	15																	
7	15																	
8																		
9																		
10																		
11																		
12																		

ICE LOG: Surface Ice Conditions or proximity to ice edge
 Mostly OPEN WATER WITH OCCASIONAL 10-15m pancakes
 Rosette Notes:

310 N

VESSEL USCG Healy		CRUISE ID H10802		PROJECT & LEG BEST/BSIEP_Spring08		Ship Designation (I.D.) H10802		STATION NO. 9	
CONSC CAST #		LATITUDE DEG MIN		LONGITUDE DEG MIN		TIME (GMT) 1111		DRY BULB (°C)	
01457		56.57 N		169.11.10 W		1055-3.0		WET BULB (°C)	
						PRESSURE (mb)		SEA STATE * *	
						16		VISIBILITY (deg)	
						21010		WIND DIRN. (kts)	
								WIND SPD. (m)	
								CLOUD (amt) * * *	
								TYPE WEATHER	
								BOTTOM DEPTH	
								67	
								STA. NAME/ID NP07	
SBE 9+ PRESS SN PIL TEMP SN SEC TEMP SN PIL COND SN SEC COND SN		FLUOR S/N SBE43-Oxy (prime) SBE43-Oxy (sec) Transducer PAR S/N		REMARKS Radon Cast		MAX DEPTH =		m	
02 Temp Sensor No.									
NIS DEPTH		Rosett.		Hydro Team-PWEL		Weingarten		Grabmeier	
No. DESIRED		notes		SALT		NUTS		02-BTL No	
1		bot						02 Temp	
2		55						OHL	
3		50						Frac. CHL.	
4		45						O18	
5		40						Cooper	
6		35						M15N	
7		30						O2/Ar	
8		25						Prod	
9		15						DON	
10		10						Harvey	
11		5						Lessard	
12		0						Moran/	
								Lomas	
								ALX	
								Shull	
								Sherr	
								Pat	
								Katrin	
								No.	

ICE LOG: Surface Ice Conditions or proximity to ice edge

Rosette Notes:

M4

VESSEL USCG Healy		CRUISE ID H10802		PROJECT & LEG BEST/BSIERP Spring 08		Ship Designation (I.D.) 110802		STATION NO. 9																																					
CONSC CAST #		LATITUDE		LONGITUDE		TIME (GMT)		DRY BULB		WET BULB		PRESSURE		SEA STATE		VISIBILITY		WIND DIRN.		WIND SPD.		CLOUD (amt)		TYPE		WEATHER		BOTTOM DEPTH		STA. NAME/ID															
0155753.78 N		16915.01 W		02 APR 08		1558		-2.2		.11		01818		49		N/P																													
DEG		MIN		DEG		MIN		DAY		MO		YR		HR		MIN		(°C)		(°C)		(mb)		* *		(deg)		(kts)		* *		(m)													
SSE 9+				FLUOR S/N																																									
PRESS SN				SBE43-Oxy (prime)																																									
PRI TEMP SN				SBE43-Oxy (sec)																																									
SEC TEMP SN				Transducer																																									
PRI COND SN				PAR S/N																																									
SEC COND SN																																													
O2 Trip Sensor No.																																													
NIS		DEPTH		Roset.		Hydro Team-PMEL		Weingartner		Grebnier		Masfa		Sambrotto		Harvey		Moran/		DIC		Shull		Sherr		Pat		Katon		NIS															
No.		DESIDED		notes		SALT		NUTS		O2-B/L No		O2 Temp		CHL		Frac CHL		O18		Cooper		a15N		O2/Ar		Prod		DON		Lessard		Lomas		ALK		Radon		Sherr		Pat		Katon		NIS	
1		15																																										1	
2		15																																								2			
3		15																																								3			
4		15																																								4			
5		15																																								5			
6		15																																								6			
7		15																																								7			
8		15																																								8			
9																																										9			
10																																										10			
11																																										11			
12																																										12			

ICE LOG: Surface Ice Conditions or proximity to ice edge

Rosette Notes:

REMARKS

SHERP/CAMPBELL

MAX DEPTH =

m

VESSEL USCG Healy		CRUISE ID H10802		PROJECT & LEG BEST/BSIERP_Spring08		Ship Designation (I.D.) 1H0802		STATION NO. 9																																											
CONSC CAST #		LATITUDE		LONGITUDE		TIME (GMT)		DRY BULB		WET BULB		PRESSURE		SEA STATE		VISIBILITY		WIND DIRN.		WIND SPD.		CLOUD (amt)		TYPE		WEATHER		BOTTOM DEPTH		STA. NAME/ID																					
DEG		MIN		DEG		MIN		DAY		MO		YR		HR		MIN		°C		°C		(mb)		*		*		(deg)		(kts)		*		*		(m)															
61		65		73		41		04		N		16		51		H		46		W		02		A		P		R		08		16		37		-2		.0		.10		84		15		69		M47			
SBE 9+		SBE 43-S/N		SBE 43-Oxy (prme)		SBE 43-Oxy (sec)		Transducer		PAR S/N		O2 Temp Sensor No.		REMARKS		PROD CAST		MAX DEPTH =		m																															
PRESS SN		PRI TEMP SN		SEC TEMP SN		PRI COND SN		SEC COND SN		No		DEPTH		Roset.		Hydro Team-PMEL		Weingartner		Grebnauer		Masfa		Sanbroto		Harvey		Moran/		DIC		Shull		Sherr		Pat		Katrin		No											
DESIRED		notes		SALT		NUTS		O2-Bt/No		O2 Temp		CHL		Frac CHL		O18		Cooper		δ15N		O2/Ar		Prod		DON		Lessard		Lomas		ALK		Radon		Th															
1		58		D16		85																																													
2		37		D17		86																																													
3		30		D18		87																																													
4		22				88																																													
5		15				89																																													
6		7				90																																													
7		0				91																																													
8																																																			
9																																																			
10																																																			
11																																																			
12																																																			

ICE LOG: Surface Ice Conditions or proximity to ice edge

Rosette Notes:

New CTD file started in order to pop surface bottle (#8)

(see CTD 017)

AST
017

114

VESSEL USCG Healy		CRUISE ID H10802		PROJECT & LEG BEST/BSIERP_Spring 08		Ship Designation (I.D.) 140802		STATION NO. 9																																									
CONSC CAST #		LATITUDE		LONGITUDE		TIME (GMT)		DRY BULB		WET BULB		PRESSURE		SEA STATE		VISIBILITY		WIND DIRN.		WIND SPD.		CLOUD (amt)		TYPE		WEATHER		BOTTOM DEPTH		STA. NAME/ID																			
0175754.15N		16914.39W		02APR08		1700																																											
DEG		MIN		DEG		MIN		DAY		MO		YR		HR		MIN		(°C)		(°C)		(mb)		*		*		(deg)		(kts)		*		*		(m)													
SSE 9+				FLUOR S/N																																													
PRESS SN				SBE43-Oxy (prime)																																													
PRI TEMP SN				SBE43-Oxy (sec)																																													
SEC TEMP SN				Transmissometer																																													
PRI COND SN				PAR S/N																																													
SEC COND SN				O2 Temp Sensor No.																																													
N/S		DEPTH		Roset.		Hydro Team-PMEL		Wingartner		Grebbmeier		Mashta		Sanbroto		Harvey		Moran/		DIC		Snul		Sherr		Pat		Katrin		N/S																			
No.		DESIRED		notes		SALT		NUTS		O2-Bt.No		O2 Temp		CHL.		Frac CHL.		018		Cooper		015N		O2/Ar		N		Prod		DON		Lessard		Lomas		ALK		Radon				Sherr		Pat		Katrin		No.	
1																																																	
2																																																	
3																																																	
4																																																	
5																																																	
6																																																	
7																																																	
8		0						91																																									
9																																																	
10																																																	
11																																																	
12																																																	

ICE LOG: Surface Ice Conditions or proximity to ice edge

Rosette Notes:

REMARKS
CTD file to pop surface bottle

MAX. DEPTH =

69 MPT

VESSEL USCG Healy		CRUISE ID H10802		PROJECT & LEG BEST/BSIERP_Spring08		Ship Designation (I.D.) 1H0802		STATION NO. 10																															
CONSC CAST #		LATITUDE		LONGITUDE		TIME (GMT)		DRY BULB		WET BULB		PRESSURE		SEA STATE		VISIBILITY		WIND DIRN		WIND SPD.		CLOUD (amt)		TYPE		WEATHER		BOTTOM DEPTH		STA. NAME/ID									
018		58 07.13 N		168 58.31 W		02 APR 08		2248-0.9		.99		155		116																									
DEG		MIN		DEG		MIN		DAY		MO		YR		HR		MIN		(°C)		(°C)		(mb)		*		*		(deg)		(kts)		*		*		(m)			
SBE 9+				FLUOR S/N																																			
PRESS SN				SBE43-Oxy (prime)																																			
PRI TEMP SN				SBE43-Oxy (sec)																																			
SEC TEMP SN				Transmissometer																																			
PRI COND SN				PAR S/N																																			
SEC COND SN				O2 Temp Sensor No.																																			

NIS	DEPTH	Roset.	Hydro Team-PMEL						Weingartner	Grebnmeier	Masfa		Sambrotto		Harvey	Moran/ Lomas	DIC	Shull	Sherr.	Pat	Karin	
			SALT	NUTS	O2-Btl.No	O2 Temp	CHL.	Frac CHL.			O18	Cooper	δ15N	O2/Ar								N
1	106	✓		92	146? 147		6		35	✓				✓								1
2	50	✓	D/19	93																		2
3	40	✓	D/20	94			5							✓								3
4	30	✓		95			4			✓												4
5	20	✓		96			3							✓								5
6	10	✓		97			2		36					✓								6
7	0	✓		98			1		37	✓				✓								7
8																						8
9																						9
10																						10
11																						11
12																						12

ICE LOG: Surface Ice Conditions or proximity to ice edge

Rosette Notes:

Blowing snow - slushy ice - large flakes. ~20m away from ship - < 10% coverage. O2 bottle 146 - mCh2 dripping

VESSEL USCG Healy		CRUISE ID H10802		PROJECT & LEG BEST/BSIERP_Spring 08		Ship Designation (I.D.) 1H0802		STATION NO. 11											
CONSC CAST #	LATITUDE		LONGITUDE		TIME (GMT)		DRY BULB	WET BULB	PRESSURE	SEA STATE	VISIBILITY	WIND DIRN.	WIND SPD.	CLOUD (amt)	WEATHER	BOTTOM DEPTH	STA. NAME/ID		
D1958	21.47	N	16842.25	W	03A	P	08	0145	-0.7	9.3		155	17			66	NP5		
DEG	MIN		DEG	MIN	DAY	MO	YR	HR	MIN	(°C)	(°C)	(mb)	*	*	(deg)	(kts)	*	*	(m)
SBE 9+ _____ FLUOR S/N _____ PRESS SN _____ SBE43-Oxy (prime) _____ PRI TEMP SN _____ SBE43-Oxy (sec) _____ SEC TEMP SN _____ Transmissometer _____ PRI COND SN _____ PAR S/N _____ SEC COND SN _____ O2 Temp Sensor No. _____																			
REMARKS																			
MAX. DEPTH = _____ m																			

No.	DEPTH	Roset.	Hydro Team-PMEL				Weingartner	Grebnreier	Mashta		Sambrotto		Harvey	Lessaard	Moran/	Lomas	DIC	ALK	Radon	Sherr	Pat	Th	Katrin	No.
			SALT	NUTS	O2-Btl.No	O2 Temp			CHL.	Frac CHL.	O18	Cooper												
1	62	✓		99				✓38																1
2	50	✓		100																				2
3	40	✓		101																				3
4	30	✓		102																				4
5	20	✓		D/21 103																				5
6	10	✓		D/22 104																				6
7	0	✓		105																				7
8																								8
9																								9
10																								10
11																								11
12																								12

Rosette Notes:

ICE LOG: Surface ice conditions or proximity to ice edge

Very thin slushy ice, ~80% coverage

VESSEL USCG Healy		CRUISE ID H10802		PROJECT & LEG BEST/BSIERP-Spring 08		Ship Designation (I.D.) 1H0802		STATION NO. 13																																							
CONSC CAST #		LATITUDE		LONGITUDE		TIME (GMT)		DRY BULB		WET BULB		PRESSURE		SEA STATE		VISIBILITY		WIND DIRN.		WIND SPD.		CLOUD (amt)		TYPE		WEATHER		BOTTOM DEPTH		STA. NAME/ID																	
0215849.47N		16811.84W		03APR08		0859		.		.		92		26028		(m)		47N		P3																											
DEG		MIN		DEG		MIN		DAY		MO		YR		HR		MIN		(°C)		(°C)		(mb)		*		*		(deg)		(kts)		*		*		(m)											
SBE 9+				FLUOR S/N																																											
PRESS SN				SBE43-Oxy (prime)																																											
PRI TEMP SN				SBE43-Oxy (sec)																																											
SEC TEMP SN				Transmissometer																																											
PRI COND SN				PAR S/N																																											
SEC COND SN				O2 Temp Sensor No.																																											
NIS		DEPTH		Roset.		Hydro Team-PMEL		Weingartner		Grebeiner		Mashta		Sambrotto		Harvey		Moran/		DIC		Snell		Sierr		Pat		Katrin		NIS																	
No.		DESIRED		notes		SALT		NUTS		O2-Btl.No		O2 Temp		CHL.		Frac CHL.		O18		Cooper		015N		O2/Ar		N		Prod		DON		Lessard		Lomas		ALK		Radon									
1		bet		41				✓113		✓151				5				✓44																													
2		30						✓114				4																																			
3		20						✓115				3																																			
4		10						✓116		✓		2						✓45																													
5		5																																													
6		5																																													
7		5																																													
8		0						✓117				1						✓46																													
9																																															
10																																															
11																																															
12																																															

ICE LOG: Surface ice conditions or proximity to ice edge

Rosette Notes:

REMARKS
CTD Standard +
Lead and Hannerly
sliding valves - continuous

MAX DEPTH = m

VESSEL USCG Healy		CRUISE ID H10802		PROJECT & LEG BEST/BSIERP-Spring08		Ship Designation (I.D.) 1H0802		STATION NO. 14																																							
CONSC CAST #		LATITUDE		LONGITUDE		TIME (GMT)		DRY BULB		WET BULB		PRESSURE		SEA STATE		VISIBILITY		WIND DIRN		WIND SPD.		CLOUD (amt)		TYPE		WEATHER		BOTTOM DEPTH		STA. NAME/ID																	
0225902.92N		16754.31W		03APR08		1146+1.3		93		17326		43		N/P2																																	
DEG		MIN		DEG		MIN		DAY		MO		YR		HR		MIN		(°C)		(°C)		(mb)		*		*		(deg)		(kts)		*		*		(m)											
SBE 9+				FLUOR S/N																																											
PRESS SN				SBE43-Oxy (prime)																																											
PRI TEMP SN				SBE43-Oxy (sec)																																											
SEC TEMP SN				Transmissometer																																											
PRI COND SN				PAR S/N																																											
SEC COND SN				O2 Temp Sensor No.																																											
NIS		Roset.		Hydro Team-PMEL		Weingartner		Grebnier		Masha		Sambrotto		Harvey		Moran/		DIC		Shull		Sherr		Pat		Katrin		NIS																			
No.		DESIRED		notes		SALT		NUTS		O2-Btl.No		O2 Temp		CHL		Frac CHL		O18		Cooper		δ15N		O2/Ar		N		Prod		DON		Lessard		Lomas		ALK		Radon									
1		BOT		41		E4		118		1157				5				47																													
2		30				F5		119						4																																	
3		20						120						3																																	
4		10				F6		121						2				48																													
5		0						122						1				49																													
6																																															
7																																															
8																																															
9																																															
10																																															
11																																															
12																																															

ICE LOG: Surface Ice Conditions or proximity to ice edge
 Confusion ice, none reported

Rosette Notes:

VESSEL USCG Healy		CRUISE ID H10802		PROJECT & LEG BEST/BSERP-Spring'08		Ship Designation (I.D.) 1H0802		STATION NO. 15																											
CONSC CAST #		LATITUDE		LONGITUDE		TIME (GMT)		DRY BULB		WET BULB		PRESSURE		SEA STATE		VISIBILITY		WIND DIRN.		WIND SPD.		CLOUD (amt)		TYPE		WEATHER		BOTTOM DEPTH		STA. NAME/ID					
0235927.31		N		16747.65		W		03A		P		R		08		1501		1.2		.		92		*		*		24726		24726		N91			
DEG		MIN		DEG		MIN		DAY		MO		YR		HR		MIN		(°C)		(°C)		(mb)		*		*		(deg)		(kts)		* * *		(m)	
SBE 9+				FLUOR S/N																															
PRESS SN				SBE43-Oxy (prime)																															
PRI TEMP SN				SBE43-Oxy (sec)																															
SEC TEMP SN				Transmissometer																															
PRI COND SN				PAR S/N																															
SEC COND SN				O2 Tmp Sensor No.																															
REMARKS																																			
MAX. DEPTH =																																			
m																																			

NIS	DEPTH	Roset.	Hydro Team-PWEL	Wingartner	Grebmeier	Masha	Sambrotto	Harvey	Moran/	DIC	Shull	Sherr	Pat	Katrin	NIS								
No.	DESIRED	notes	SALT	NUTS	O2-Btl.No	O2 Temp	CHL.	Frac CHL.	018	Cooper	015N	O2/Air	N	Prod	DON	Lessard	Lomas	ALK	Radon		Th		No.
1	65	34	F7	-123	✓		4		-50	+								✓28					1
2	20		F8	-124			3											✓27					2
3	10		F9	-125			2		-51	+								✓26					3
4	0			-126			1		-52	+								✓25					4
5																						5	
6																						6	
7																						7	
8																						8	
9																						9	
10																						10	
11																						11	
12																						12	

ICE LOG: Surface Ice Conditions or proximity to ice edge

Rosette Notes:

100 ice - large - 1600

VESSEL USCG Healy		CRUISE ID H10802		PROJECT & LEG BEST/BSIERP_Spring'08		Ship Designation (I.D.) 110802		STATION NO. 21C2																																							
CONSC CAST #		LATITUDE		LONGITUDE		TIME (GMT)		DRY BULB		WET BULB		PRESSURE		SEA STATE		VISIBILITY		WIND DIRN.		WIND SPD.		CLOUD (amt)		TYPE		WEATHER		BOTTOM DEPTH		STA. NAME/ID																	
02459		30.48 N		16743.74 W		03 APR 08		2118		2.5		.92		20020		20020		20020		20020		20020		20020		20020		20020		20020																	
DEG		MIN		DEG		MIN		DAY		MO		YR		HR		MIN		(°C)		(°C)		(mb)		*		*		(deg)		(kts)		* * *		(m)													
SBE 9+		FLUOR S/N		SBE43-Oxy (prime)		SBE43-Oxy (sec)		Transmissometer		PAR S/N		O2 Temp		CHL.		Frac CHL.		Weingartner		Grebner		Masha		O2/Air		N		Prod		DON		Lessard		Moran/		DIC		Shull		Sherr		Pat		Katrin		Nis	
No.		DEPT H		Roset.		Hydro Team-PMEL		O2-Btl.No		O2 Temp		CHL.		Frac CHL.		018		Cooper		015N		O2/Air		N		Prod		DON		Lessard		Moran/		DIC		Shull		Sherr		Pat		Katrin		Nis			
1		10		✓		✓127		✓214		✓4		✓53		✓		✓		✓		✓		✓		✓		✓		✓		✓		✓		✓		✓		✓		✓		✓					
2		20		✓		✓128		✓		✓3		✓		✓		✓		✓		✓		✓		✓		✓		✓		✓		✓		✓		✓		✓		✓		✓					
3		10		✓		✓129		✓		✓2		✓54		✓		✓		✓		✓		✓		✓		✓		✓		✓		✓		✓		✓		✓		✓		✓					
4		0		✓		✓130		✓222		✓1		✓55		✓		✓		✓		✓		✓		✓		✓		✓		✓		✓		✓		✓		✓		✓		✓					
5																																															
6																																															
7																																															
8																																															
9																																															
10																																															
11																																															
12																																															

ICE LOG: Surface Ice Conditions or proximity to ice edge

Rosette Notes:

Solid ice

REMARKS

Chl + Tr are higher in upper 10m than recent

Partially due to churning up ice bottom by

ship underway but for depth

MAX DEPTH = 3516.01 m

VESSEL USCG Healy		CRUISE ID H10802		PROJECT & LEG BEST/BSIERP_Spring'08		Ship Designation (I.D.) 110802		STATION NO. 17												
CONSC CAST #	LATITUDE		LONGITUDE		TIME (GMT)		DRY BULB	WET BULB	PRESSURE	SEA STATE	VISIBILITY	WIND DIRN.	WIND SPD.	CLOUD (amt)	WEATHER	BOTTOM DEPTH	STA. NAME/ID			
025	59	52.89	N	167	57.65	W	04	A	P	R	08	00	28	0.2	.	89	25	06	31 m	N1
SBE 9+ _____ FLUOR S/N _____ PRESS SN _____ SBE43-Oxy (prine) _____ PRI TEMP SN _____ SBE43-Oxy (sec) _____ SEC TEMP SN _____ Transmissometer _____ PRI COND SN _____ PAR S/N _____ SEC COND SN _____ O2 Temp Sensor No. _____																				
REMARKS _____																				
MAX. DEPTH = _____ m																				
NO.	DEPTH	ROSET.	Hydro Team-PMEL	Wingartner	Gebmeyer	Masha	Sambrotto	Harvey	Moran/	DIC	Shull	Sherr	Pat	Karin	No.					
DESIED	notes	SALT	NUTS	O2-Btl.No	O2 Temp	CHL	Frac CHL	018	Cooper	015N	O2/Ar	N	Prod	DON	Lessard	Lomas	ALK	Radon	Th	No.
1	26		131			4	10	56	✓					✓		✓	✓	✓		1
2	20	F/10	132			3	9							✓		✓	✓			2
3	10	F/11	133			2	8	57	✓					✓		✓	✓			3
4	0		134	233		1	7	58	✓					✓		✓	✓			4
5																				5
6																				6
7																				7
8																				8
9																				9
10																				10
11																				11
12																				12

ICE LOG: Surface Ice Conditions or proximity to ice edge

Rosette Notes:

VESSEL USCG Healy		CRUISE ID H10802		PROJECT & LEG BEST/BSIERP_Spring08		Ship Designation (I.D.) H10802		STATION NO. 18																																					
CONSC CAST #		LATITUDE		LONGITUDE		TIME (GMT)		DRY BULB		WET BULB		PRESSURE		SEA STATE		VISIBILITY		WIND DIRN.		WIND SPD.		CLOUD (amt)		TYPE		WEATHER		BOTTOM DEPTH		STA. NAME/ID															
0265954.23N		16835.20W		04 APR 08		0304-1.3		88		300		7		40m		12																													
DEG		MIN		DEG		MIN		DAY		MO		YR		HR		MIN		(°C)		(°C)		(mb)		*		*		(deg)		(kts)		*		*		(m)									
SBE 9+				FLUOR S/N																																									
PRESS SN				SBE43-Oxy (prime)																																									
PRI TEMP SN				SBE43-Oxy (sec)																																									
SEC TEMP SN				Transmissometer																																									
PRI COND SN				PAR S/N																																									
SEC COND SN				02 Temp Sensor No.																																									
NIS		DEPTH		Roset.		Hydro Team-PMEL		Weingartner		Grabmeier		Masha		Sambrotto		Harvey		Moran/		DIC		Shull		Sherr		Pat		Karin		NIS															
No.		DESIRED		notes		SALT		NLTS		O2-BU.No		O2 Temp		CHL.		Frac CHL.		018		Cooper		015N		O2/Ar		N		Prod		DON		Lessard		Lornas		ALK		Radon							
1		35		✓				135		229				5				59																											
2		30		✓		F/12		136						4																															
3		20		✓		F/13		137						3																															
4		10		✓				138						2				60																											
5		0						139						1				61																											
6																																													
7																																													
8																																													
9																																													
10																																													
11																																													
12																																													

ICE LOG: Surface Ice Conditions or proximity to ice edge

Rosette Notes:

Don't sample O₂ for the 1st time

VESSEL		CRUISE ID		PROJECT & LEG		Ship Designation (I.D.)		STATION NO.											
USCG Healy		H10802		BEST/BSEEP Spring'08		H10802		20											
CONSC	LATITUDE	LONGITUDE		TIME (GMT)		DRY BULB	WET BULB	PRESSURE	SEA STATE	VISIBILITY	WIND DIRN.	WIND SPD.	CLOUD (amt)	TYPE	WEATHER	BOTTOM DEPTH	STA. NAME/ID		
CAST #	DEG MIN	DEG MIN	DAY	MO	YR	HR	MIN	(°C)	(°C)	(mb)	*	(deg)	(kts)	*	*	(m)			
0285954	19 N	16947.68	W	04	A	P	R	08	10	38	-4.4		97			287	19		
REMARKS																			
SBE 9+ _____																			
PRESS SN _____																			
PIL TEMP SN _____																			
SEC TEMP SN _____																			
PIL COND SN _____																			
SEC COND SN _____																			
O2 Temp Sensor No. _____																			
MAX DEPTH = _____ m																			
NIS	DEPTH	Roset	Hydro Team-PNEL	Wainwright	Grebner	Masha	Sambrotto	Harvey	Mcraun	DIC	Snell	Sherr	Pat	Katrin	NIS				
No.	DESIRED	notes	SALT	NUTS	O2-BTL No	O2 Temp	CHL	Frac CHL	O18	Cooper	815N	O2/Ar	Prod	DON	Lessard	Lomas	ALX	Radon	No.
1	605	47	F116	-147	234		6	12	X 65										1
2	416		F117	-148			5	11											2
3	304		F118	-149			4	10											3
4	204			-156			6	09											4
5	10			-151			2	8											5
6	10																		6
7	10																		7
8	10																		8
9	0			-152			3	09											9
10																			10
11																			11
12																			12

ICE LOG: Surface Ice Conditions or proximity to ice edge
 122 Solid to lead, rising 100m to get to position
 Rosette Notes:

VESSEL USCG Healy		CRUISE ID H10802		PROJECT & LEG BEST/BSERP_Spring'08		Ship Designation (I.D.) H10802		STATION NO.	
CONSC CAST #		LATITUDE		LONGITUDE		TIME (GMT) 1507		DRY BULB	
DEG		MIN		DEG		MIN		DAY	
MO		YR		HR		MIN		SEC	
W		A		P		R		O	
03059		53.54		N		16947.45		W	
04		APR		08		1448-9.3		.3	
00		00		00		27630		53	
53		53		54		53		MNH	
SRE 9+		FLUOR S/N		SRE43-Oxy (prime)		SRE43-Oxy (sec)		Transmissometer	
PRESS SN		PAR S/N		O2 Temp Sensor No.		O2 Temp Sensor No.		O2 Temp Sensor No.	
PRI TEMP SN		PRI COND SN		SEC COND SN		SEC COND SN		SEC COND SN	
No.		DEPTH		Roset.		Hydro Team-PWEL		Weingartner	
DESIRED		notes		SALT		NLTS		O2-B/L No	
O2 Temp		CHL.		Frac CHL.		O18		Cooper	
Masha		Sambrotto		Harvey		Moran/		DIC	
Radon		Sherr		Fat		Katin		NIS	
No.		No.		No.		No.		No.	
1		bat 47.7		153					
2		bat 47.7		154					
3		17.7							
4		17.7							
5		17.7		155					
6		17.7							
7		17.7		156					
8		17.7							
9		17.7							
10		17.7							
11		17.7							
12									

ICE LOG: Surface Ice Conditions or proximity to ice edge

Rosette Notes:

Hot C Mark
2 bottom

1eko

VESSEL USCG Healy		CRUISE ID H10802		PROJECT & LEG BEST/BSERP_Spring'08		Ship Designation (I.D.) H10802		STATION NO. 24																																					
CONSC CAST #		LATITUDE		LONGITUDE		TIME (GMT)		DRY BULB		WET BULB		PRESSURE		SEA STATE		VISIBILITY		WIND DIRN.		WIND SPD.		CLOUD (amt)		TYPE		WEATHER		BOTTOM DEPTH		STA. NAME/ID															
6315753		53 N		169 44.33 W		04 APR 08		1601-9.4		51		27024		52		MN4																													
DEG		MIN		DEG		MIN		DAY		MO		YR		HR		MIN		(°C)		(°C)		(mb)		+		+		(deg)		(kts)		+		+		(m)									
SBE 9+				FLUOR S/N																																									
PRESS SN				SBE43-Oxy (prime)																																									
PRI TEMP SN				SBE43-Oxy (sec)																																									
SEC TEMP SN				Transmissometer																																									
PRI COND SN				PAR S/N																																									
SEC COND SN				O2 Temp Sensor No.																																									
NIS		DEPTH		Roset.		Hydro Team-PWEL		Weingartner		Gebremelior		Mashta		Sambrotto		Harvey		Moran/		DIC		Shull		Sherr		Pat		Kathn		NIS															
No		DESIDR		notes		SALT		MLTS		O2-BU/No		O2 Temp		CHL		Frac CHL		O18		Cooper		0.15N		O2/Ar		Prod		DON		Lessard		Lomas		ALX		Radon		Sherr		Pat		Kathn		NIS	
1		29		✓		F119		157																																					
2		19		✓				158																																					
3		15		✓		F120		159																																					
4		11		✓				160																																					
5		8		✓		F121		161																																					
6		4		✓				162																																					
7		0		✓				163																																					
8																																													
9																																													
10																																													
11																																													
12																																													

ICE LOG: Surface Ice Conditions or proximity to ice edge

Rosette Notes:

1900

VESSEL USCG Healy		CRUISE ID H10802		PROJECT & LEG BEST/BSIERP_Spring'08		Ship Designation (I.D.) 1H0802		STATION NO. 20																													
CONSC CAST #		LATITUDE		LONGITUDE		DATE JD=		TIME (GMT)		DRY BULB		WET BULB		PRESSURE		SEA STATE		VISIBILITY		WIND DIRN.		WIND SPD.		CLOUD (amt)		TYPE		WEATHER		BOTTOM DEPTH		STA. NAME/ID					
0325949.35 N		16939.02 W		05 APR 08		0328-8.1		07		27524		52552																									
DEG		MIN		DEG		MIN		DAY		MO		YR		HR		MIN		(°C)		(°C)		(mb)		*		*		(deg)		(kts)		*		*		(m)	
SBE 9+		FLUOR S/N		SBE43-Oxy (prime)		SBE43-Oxy (sec)		Transmissometer		PAR S/N		SBE COND SN		REMARKS		MAX. DEPTH =		m																			
PRESS SN		PRI TEMP SN		SEC TEMP SN		PRI COND SN		SEC COND SN																													
No		DEPTH		Roset.		Hydro Team-PMEL		Weingartner		Grabmeier		Masha		Sambrotto		Harvey		Shull		Sherr		Pat		Rolf													
No		DESIRED		notes		SALT		NUTS		02-Bt.No		02 Temp		CHL.		Frac CHL.		018		Cooper		015N		N2/Ar		Prod		DON		Lessard		Radon		Th		No.	
1		48				164								6		71		✓																		1	
2		40				F/22 165								5																						2	
3		30				F/23 166								4				✓																		3	
4		20				F/24 167								3																						4	
5		10				168								2		72		✓																		5	
6		0				169		219		720		1		73		✓																				6	
7																																				7	
8																																				8	
9																																				9	
10																																				10	
11																																				11	
12																																				12	

ICE LOG: Surface Ice Conditions or proximity to ice edge

Rosette Notes:

Scan 4520

VESSEL USCGC Healy		CRUISE ID H10802		PROJECT & LEG BEST/BSIERP_Spring'08		Ship Designation (I.D.) H10802		STATION NO. 21																															
CONSC CAST #		LATITUDE		LONGITUDE		DATE JD=		TIME (GMT)		DRY BULB		WET BULB		PRESSURE		SEA STATE		VISIBILITY		WIND DIRN.		WIND SPD.		CLOUD (amt)		TYPE		WEATHER		BOTTOM DEPTH		STA. NAME/ID							
DEG		MIN		DEG		MIN		DAY		MO		YR		HR		MIN		°C		°C		(mb)		*		*		(deg)		(kts)		*		*		(m)			
6335954.22 N		17023.90 W		05 APR 08		073910.4		08		28022																													
SBE 9+ PRESS SN PRI TEMP SN SEC TEMP SN PRI COND SN SEC COND SN		FLUOR S/N		SBE43-Oxy (prime) SBE43-Oxy (sec) Transmissometer PAR S/N		REMARKS		MAX. DEPTH =		m																													
No.		DEPT#		Roset.		Hydro Team-PMEL		Wengartner		Gedonmeyer		Mashta		Sambrotto		Harvey		Shull		Sherr		Pat		Rolf		No.		No.		No.		No.							
DESIR		notes		SALT		NUTS		O2-Btl No		O2 Temp		CHL		Frac CHL		O18		Cooper		015N		N2/Ar		Prod		DON		Lessard		Radon		Th		No.					
1		60				170		170		169		6				76		X																					
2		50				1						5																											
3		40				2						4				X																							
4		30				A1		3				3																											
5		20				A2		4				3																											
6		10																																					
7		10																																					
8		10																																					
9		10				A3		5				2				75																							
10		0				A4		6				1				74		X																					
11																																							
12																																							

ICE LOG: Surface Ice Conditions or proximity to ice edge

Rosette Notes:

500

VESSEL USCG Healy		CRUISE ID H10802		PROJECT & LEG BEST/BSIERP-Spring'08		Ship Designation (I.D.) 1H0802		STATION NO. 23																																																	
CONSC CAST #		LATITUDE		LONGITUDE		TIME (GMT)		DRY BULB		WET BULB		PRESSURE		SEA STATE		VISIBILITY		WIND DIRN.		WIND SPD.		CLOUD (amt)		TYPE		WEATHER		BOTTOM DEPTH		STA. NAME/ID																											
035		59		54		15		4		N		1		71		33		.91		W		05		A		P		R		08		21		30		-8		.9		1		6		27		0		13		70		M		N		7	
DEG		MIN				DEG		MIN		DAY		MO		YR		HR		MIN		(*C)		(*C)		(mb)		*		*		(deg)		(kts)		*		*		*		(m)																	
SSE 9+						FLUOR S/N																																																			
PRESS SN						SBE43-Oxy (prime)																																																			
PRI TEMP SN						SBE43-Oxy (sec)																																																			
SEC TEMP SN						Transmissometer																																																			
PRI COND SN						PAR S/N																																																			
SEC COND SN						O2 Temp Sensor No.																																																			
NIS		DEPTH		Roset.		Hydro Team-PMEL		Weingartner		Grebmeier		Masha		Sambrotto		Harvey		Moran/		DIC		Shull		Sherr		Pat		Katrin		NIS																											
No.		DESIRED		notes		SALT		NUTS		O2-BU.No		O2 Temp		CHL.		Frac CHL.		018		Cooper		015N		O2/Ar		N		Prod		DON		Lessard		Lomas		ALK		Radon																			
1		67		✓				16		19				6-				180		X																																					
2		60		✓				17																																																	
3		50		✓				18																																																	
4		40		✓				19						51																																											
5		30		✓				20						41				X																																							
6		20		✓				21						31																																											
7		10		✓				22						21				-81																																							
8		0		✓				23						11				-82		X																																					
9																																																									
10																																																									
11																																																									
12																																																									

ICE LOG: Surface Ice Conditions or proximity to ice edge

Rosette Notes:

1540

VESSEL USCG Healy		CRUISE ID H10802		PROJECT & LEG BEST/BSIERP_Spring 08		Ship Designation (I.D.) 110802		STATION NO. 24									
CONSC CAST #	LATITUDE		LONGITUDE		TIME (GMT)		DRY BULB	WET BULB	PRESSURE	SEA STATE	VISIBILITY	WIND DIRN.	WIND SPD.	CLOUD (amt)	WEATHER	BOTTOM DEPTH	STA. NAME/ID
0365953.87N	17211.24W		06A		0954-9.1		11	11	17302							42MN8	
SBE 9+ _____ FLUOR S/N _____ PRESS SN _____ SBE43-Oxy (prime) _____ PRI TEMP SN _____ SBE43-Oxy (sec) _____ SEC TEMP SN _____ Transmissometer _____ PRI COND SN _____ PAR S/N _____ SEC COND SN _____ O2 Temp Sensor No. _____																	
REMARKS _____																	
MAX. DEPTH = _____ m																	
NO.	DEPTH	ROSET.	Hydro Team-PMEL		Wiegarter	Grebeiner	Masha		Sambrotto		Harvey	Moran/	DIC	Snell	Sherr	Pat	Katrin
DESIRED	notes	SALT	NUTS	O2-Btl.No	O2 Temp	CHL.	Frac CHL.	O18	Cooper	015N	O2/Ar	N	Prod	DON	Lessard	Lomas	ALK
1	69 ✓		25	144		6	12	85						✓			
2	50 ✓		24														
3	48 ✓		27	1		5	11			✓				✓			
4	30 ✓		28			4	10										
5	20 ✓		29			3	9							✓		46	
6	10		32			2	8	86		✓				✓			
7	0		33			1	7	87								45	
8																	
9																	
10																	
11																	
12																	

ICE LOG: Surface Ice Conditions or proximity to ice edge

Rosette Notes:

11065

VESSEL USCG Healy		CRUISE ID H10802		PROJECT & LEG BEST/BSIERP_Spring08		Ship Designation (I.D.) 1H0802		STATION NO. 25																																							
CONSC CAST #		LATITUDE		LONGITUDE		TIME (GMT)		DRY BULB		WET BULB		PRESSURE		SEA STATE		VISIBILITY		WIND DIRN.		WIND SPD.		CLOUD (amt)		TYPE		WEATHER		BOTTOM DEPTH		STA. NAME/ID																	
03759		52.67 N		17240.79 W		06 APR 08		1519-7.3		12		985.01		48501		MNS																															
DEG		MIN		DEG		MIN		DAY		MO		YR		HR		MIN		(°C)		(°C)		(mb)		*		*		(deg)		(kts)		*		*		(m)											
SSE 9+				FLUOR S/N																																											
PRESS SN				SBE43-Oxy (prime)																																											
PRI TEMP SN				SBE43-Oxy (sec)																																											
SEC TEMP SN				Transmissometer																																											
PRI COND SN				PAR S/N																																											
SEC COND SN				O2 Temp Sensor No.																																											
NIS		DEPTH		Roset.		Hydro Team-PMEL		Weingartner		Grabmeier		Masina		Sambrotto		Harvey		Moran/		DIC		Snell		Sherr		Pat		Katrin		NIS																	
No.		DESIRED		notes		SALT		NUTS		O2-Btl.No		O2 Temp		CHL.		Frac CHL.		O18		Cooper		015N		O2/Ar		N		Prod		DON		Lessard		Lomas		ALK		Radon		Sherr		Pat		Katrin		NIS	
1		72				A5		34																																							
2		10				A/6		35																																							
3		10				A/7																																									
4		10																																													
5		10																																													
6		10																																													
7		10																																													
8		10																																													
9		10																																													
10																																															
11																																															
12																																															

Rosette Notes:

ICE LOG: Surface Ice Conditions or proximity to ice edge ice, heavy, broken morose

1700

REMARKS
SHERR/CAMPBELL
Thermochlor 260m

MAX. DEPTH =

MNS



VESSEL USCG Healy		CRUISE ID H10802		PROJECT & LEG BEST/BSIERP_Spring 08		Ship Designation (I.D.) H10802		STATION NO. 25																																							
CONSC CAST #		LATITUDE		LONGITUDE		TIME (GMT)		DRY BULB		WET BULB		PRESSURE		SEA STATE		VISIBILITY		WIND DIRN.		WIND SPD.		CLOUD (amt)		TYPE		WEATHER		BOTTOM DEPTH		STA. NAME/ID																	
0385952.89		N		17240.68		W		04APR08		1613-7.7		.59		056		15		75		MNS		5		75		MNS		5		5																	
DEG		MIN		DEG		MIN		DAY		MO		YR		HR		MIN		(°C)		(°C)		(mb)		*		*		(deg)		(kts)		* * *		(m)													
SSE 9+				FLUOR S/N																																											
PRESS SN				SBE43-Oxy (prime)																																											
PRI TEMP SN				SBE43-Oxy (sec)																																											
SEC TEMP SN				Transmissometer																																											
PRI COND SN				PAR S/N																																											
SEC COND SN				O2 Temp Sensor No.																																											
NIS		DEPTH		Roset.		Hydro Team-PNEL		Weingartner		Grebnier		Masha		Sambrotto		Harvey		Moran/		DIC		Snell		Sherr		Pat		Katrin		NIS																	
No.		DESIRED		notes		SALT		NLTS		O2-Bt.No		O2 Temp		CHL.		Frac CHL.		018		Cooper		015N		O2/Air		N Prod		DON		Lessard		Lomas		ALK		Radon		Sherr		Pat		Th		Katrin		No.	
1		29		✓				37																																						1	
2		19		✓				38																																				2			
3		15		✓				39																																		3					
4		11		✓				40																																		4					
5		8		✓		A/8		41																																		5					
6		4		✓		A/4		42																																		6					
7		0		✓		A/10		43																																		7					
8																																										8					
9																																										9					
10																																										10					
11																																										11					
12																																										12					

ICE LOG: Surface Ice Conditions or proximity to ice edge

Rosette Notes:

1561

VESSEL USCG Healy		CRUISE ID H10802		PROJECT & LEG BEST/BSIERP_Spring'08		Ship Designation (I.D.) 1H0802		STATION NO. 25																																							
CONSC CAST #		LATITUDE		LONGITUDE		TIME (GMT)		DRY BULB		WET BULB		PRESSURE		SEA STATE		VISIBILITY		WIND DIRN.		WIND SPD.		CLOUD (amt)		TYPE		WEATHER		BOTTOM DEPTH		STA. NAME/ID																	
DEG		MIN		DEG		MIN		DAY		MO		YR		HR		MIN		°C		°C		(mb)		*		*		(deg)		(kts)		*		*		(m)											
03959		52.8		8		17243		69		W		07		A		P		R		08		00		00		2.9						14				14303				65		MN 8.5					
SBE 9+				FLUOR S/N																																											
PRESS SN				SBE43-Oxy (prime)																																											
PRI TEMP SN				SBE43-Oxy (sec)																																											
SEC TEMP SN				Transmissometer																																											
PRI COND SN				PAR S/N																																											
SEC COND SN				O2 Temp Sensor No.																																											
NIS		DEPTH		Roset.		Hydro Team-PMEL		Weingartner		Grebmeier		Masha		Sambrotto		Harvey		Moran/		DIC		Shull		Sherr		Pat		Katrin		NIS																	
No.		DESIRED		notes		SALT		NUTS		O2-Btl No		O2 Temp		CHL.		Frac CHL.		O18		Cooper		b15N		O2/Ar		N		Prod		DON		Lessard		Lomas		ALK		Radon									
1		70		-		A/11		44						6				X92		'																											
2		60		/		A/12		45																																							
3		50		/				46																																							
4		40		/				47						5																																	
5		30		/				48						4																																	
6		20		/				49						3																																	
7		8		/				50						2				X91																													
8		0		/				51						1				X90																													
9																																															
10																																															
11																																															
12																																															

ICE LOG: Surface Ice Conditions or proximity to ice edge

Rosette Notes:

1400

~ 030 PM

VESSEL USCG Healy		CRUISE ID H10802		PROJECT & LEG BEST/BSIERP_Spring'08		Ship Designation (I.D.) H10802		STATION NO. 25																																									
CONSC CAST #		LATITUDE		LONGITUDE		TIME (GMT)		DRY BULB		WET BULB		PRESSURE		SEA STATE		VISIBILITY		WIND DIRN.		WIND SPD.		CLOUD (amt)		TYPE		WEATHER		BOTTOM DEPTH		STA. NAME/ID																			
040		59 55 . 15 N		1 72 46 . 33 W		07 APR 08		04 07 - 5 . 4		11		17004																70M		N 8 . 5																			
DEG		MIN		DEG		MIN		DAY		MO		YR		HR		MIN		(°C)		(°C)		(mb)		*		*		(deg)		(kts)		*		*		(m)													
SBE 9+				FLUOR S/N																																													
PRESS SN				SBE43-Oxy (prime)																																													
PRI TEMP SN				SBE43-Oxy (sec)																																													
SEC TEMP SN				Transmissometer																																													
PRI COND SN				PAR S/N																																													
SEC COND SN				O2 Temp Sensor No.																																													
NIS		DEPTH		Roset.		Hydro Team-PMEL		Weingartner		Grebmeier		Mascha		Sambrotto		Harvey		Moran/		DIC		Shull		Sherr		Pat		Katrin		NIS																			
No.		DESIRED		notes		SALT		NUTS		O2-Btl.No		O2 Temp		CHL.		Frac CHL.		018		Cooper		015N		O2/Air		N		Prod		DON		Lessard		Lomas		ALK		Radon		Sherr		Pat		Katrin		NIS			
1		70		✓																																												1	
2		60		✓																																										2			
3		50		✓																																								3					
4		40		✓																																								4					
5		30		✓																																								5					
6		20		✓																																								6					
7		10		✓																																								7					
8		5		✓																																								8					
9		5		✓																																								9					
10		5		✓																																								10					
11		5		✓																																								11					
12		0																																										12					

ICE LOG: Surface Ice Conditions or proximity to ice edge

Rosette Notes:

1530

REMARKS
Radon (Shull) Lessard
Cast

MAX DEPTH =

m

VESSEL USCG Healy	CRUISE ID H10802	PROJECT & LEG BEST/BSIERP_Spring08	Ship Designation (I.D.) 1H0802	STATION NO. 26
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CONSC CAST #	LATITUDE	LONGITUDE	TIME (GMT)	DRY BULB	WET BULB	PRESSURE	SEA STATE	VISIBILITY	WIND DIRN.	WIND SPD.	CLOUD (amt)	TYPE	WEATHER	BOTTOM DEPTH	STA. NAME/ID
041	59 52.96 N	173 23.08 W	07 APR 08	0812-17.4	.	12	*	*	232	07	*	*	*	87	MN10

DEG	MIN	DEG	MIN	DAY	MO	YR	HR	MIN	(°C)	(°C)	(mb)	(deg)	(kts)	(m)	

REMARKS	Fe cast	MAX. DEPTH =	m
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NO.	DEPT H	DEPT	notes	SALT	NUTS	O2-BU.No	O2 Temp	CHL.	Frac CHL.	O18	Cooper	Masha	O2/Ar	N	Prod	DON	Harvey	Lessard	Moran/	Lomas	ALK	Shull	Radon	Sherr	Pat	Th	Katrin	NIS
1																												1
2																												2
3																												3
4																												4
5																												5
6																												6
7																												7
8																												8
9																												9
10																												10
11																												11
12																												12

ICE LOG: Surface Ice Conditions or proximity to ice edge

Rosette Notes:

Heavy Ice around

25000

VESSEL USCG Healy		CRUISE ID H10802		PROJECT & LEG BEST/BSIERP_Spring08		Ship Designation (I.D.) 1H0802		STATION NO. 26																																							
CONSC CAST #		LATITUDE		LONGITUDE		TIME (GMT)		DRY BULB		WET BULB		PRESSURE		SEA STATE		VISIBILITY		WIND DIRN.		WIND SPD.		CLOUD (amt)		TYPE		WEATHER		BOTTOM DEPTH		STA. NAME/ID																	
0425952.57 N		17322.28 W		07080913		-7.7		7		13		230		7		82m		10																													
DEG		MIN		DEG		MIN		DAY		MO		YR		HR		MIN		(°C)		(°C)		(mb)		*		*		(deg)		(kts)		*		*		(m)											
SEE 9+				FLUOR S/N																																											
PRESS SN				SBE43-Oxy (prime)																																											
PRI TEMP SN				SBE43-Oxy (sec)																																											
SEC TEMP SN				Transmissometer																																											
PRI COND SN				PAR S/N																																											
SEC COND SN				O2 Temp Sensor No.																																											
NIS		DEPTH		Roset.		Hydro Team-PMEL		Weingartner		Grebmeier		Masha		Sambrotto		Harvey		Moran/		DIC		Shull		Sherr		Pat		Katrin		NIS																	
No.		DESIRED		notes		SALT		NUTS		O2-BL No		O2 Temp		CHL.		Frac CHL.		018		Cooper		015N		O2/Ar		N		Prod		DON		Lessard		Lomas		ALK		Radon									
1		82		✓		-		52		113				4				93		✓																											
2		60		✓				53		182																																					
3		40		✓				54						5						✓																											
4		30		✓				55						4																																	
5		20		✓				56						3				94																													
6		10		✓				57						2						✓																											
7		0		✓				58						1				95		✓																											
8																																															
9																																															
10																																															
11																																															
12																																															

ICE LOG: Surface Ice Conditions or proximity to ice edge

Rosette Notes:

190

VESSEL USCG Healy		CRUISE ID H10802		PROJECT & LEG BEST/BSERP_Spring'08		Ship Designation (I.D.) 1H0802		STATION NO. 28																																							
CONSC CAST #		LATITUDE		LONGITUDE		TIME (GMT)		DRY BULB		WET BULB		PRESSURE		SEA STATE		VISIBILITY		WIND DIRN.		WIND SPD.		CLOUD (amt)		TYPE		WEATHER		BOTTOM DEPTH		STA. NAME/ID																	
0445954.17 N		17437.07 W		07A		2023-5.7		1.13		608		112M		N		12																															
DEG		MIN		DEG		MIN		DAY		MO		YR		HR		MIN		(°C)		(°C)		(mb)		*		*		(deg)		(kts)		* * *		(m)													
SBE 9+				FLUOR S/N																																											
PRESS SN				SBE43-Oxy (prime)																																											
PRI TEMP SN				SBE43-Oxy (sec)																																											
SEC TEMP SN				Transmissometer																																											
PRI COND SN				PAR S/N																																											
SEC COND SN				O2 Temp Sensor No.																																											
NIS		DEPTH		Roset.		Hydro Team-PMEL		Weingartner		Grebnmeter		Masha		Sambrotto		Harvey		Moran/		DIC		Shull		Sherr		Pat		Katrin		NIS																	
No.		DESIRED		notes		SALT		NUTS		O2-BU/No		O2 Temp		CHL.		Frac CHL.		O18		Cooper		B15N		O2/Ar		N		Prod		DON		Lessard		Lomas		ALK		Radon		Sherr		Pat		Katrin		NIS	
1		107				A/16		67		168				6				99		X																											
2		90				A/17		68																																							
3		75				A/18		69																																							
4		60						70																																							
5		50						71						5						X																											
6		40						72						4																																	
7		25						73						7																																	
8		10						74						2				100																													
9		0						75						1				101		✓																											
10																																															
11																																															
12																																															

ICE LOG: Surface Ice Conditions or proximity to ice edge

Rosette Notes:

Broke chl bottle #3.

670

4600

Rosette Notes:

ICE LOG: Surface Ice Conditions or proximity to ice edge

VESSEL		CRUISE ID		PROJECT & LEG		Ship Designation (I.D.)		STATION NO.	
USCG Healy		H10802		BEST/BSERP-Spring08		1H0802		30	
CONSC CAST #		LATITUDE		LONGITUDE		TIME (GMT)		-14.8	
DEG		MIN		DEG		MIN		DAY	
0465954.27N		17548.19W		08A		PR08		5856-11.5	
SEC 9+		FLUOR S/N		SEC43-Oxy (prime)		SEC43-Oxy (sec)		Transmissometer	
PRESS SN		SEC43-Oxy (prime)		SEC43-Oxy (sec)		Transmissometer		PAR S/N	
PRI TEMP SN		SEC43-Oxy (prime)		SEC43-Oxy (sec)		Transmissometer		PAR S/N	
SEC TEMP SN		SEC43-Oxy (prime)		SEC43-Oxy (sec)		Transmissometer		PAR S/N	
PRI COND SN		SEC43-Oxy (prime)		SEC43-Oxy (sec)		Transmissometer		PAR S/N	
SEC COND SN		SEC43-Oxy (prime)		SEC43-Oxy (sec)		Transmissometer		PAR S/N	
O2 Temp Sensor No.		O2 Temp Sensor No.		O2 Temp Sensor No.		O2 Temp Sensor No.		O2 Temp Sensor No.	
NIS		Roset.		Hydro Team-PWEL		Weingartner		Grabmeier	
DEPTH		notes		SALT		NUTS		O2-BI.No	
No.		DESIRE		SALT		NUTS		O2-BI.No	
1		132		A/21		84		142	
2		142				85		143	
3		82				86			
4		66				87		5	
5		46				88		4	
6		30				89			
7		20				90		144	
8		10		A/22		91		145	
9		5		A/23		92		1	
10								104	
11								105	
12									
REMARKS		Thermocline		70-80m		MAX. DEPTH =		m	
Chl. higher (8.3)		great at 40m		spread again 02 at 105m (lower)					

Thermocline at 459m

00 10:20 34 40.50, 40.70, 50.100 120 BOT

VESSEL USCG Healy		CRUISE ID H10802		PROJECT & LEG BEST/BSERP, Spring 08		Ship Designation (I.D.) H10802		STATION NO. 31																															
CONSC CAST #		LATITUDE		LONGITUDE		TIME (GMT)		DRY BULB		WET BULB		PRESSURE		SEA STATE		VISIBILITY		WIND DIRN.		WIND SPD.		CLOUD (amt)		TYPE		WEATHER		BOTTOM DEPTH		STA. NAME/ID									
DEG		MIN		DEG		MIN		DAY		MO		YR		HR		MIN		(°C)		(°C)		(mb)		*		*		(deg)		(kts)		*		*		(m)			
04759		54		17624		95		08		APR		08		13		30						17				088		8								MN 15			
SBE 9+				FLUOR S/N																																			
PRESS SN				SBEA3-Oxy (prime)																																			
PRI TEMP SN				SBEA3-Oxy (sec)																																			
SEC TEMP SN				Transmissometer																																			
PRI COND SN				PAR S/N																																			
SEC COND SN				O2 Trmp Sensor No.																																			

REMARKS: Pump wouldn't turn over, Air Temp - 15.5°C
take down to 65m to get pump on
C pump at ~31 + 52
No Bot Chl Pump

NIS	DEPTH	Roset.	Hydro Team-PMEL	Weingartner	Grebmeier	Mashta	Sambrotto	Harvey	Moran/	DIC	Shull	Sher	Pat	Katrin	NIS										
No.	DESIRED	notes	SALT	NUTS	O2-BTL No	O2 Temp	CHL.	Frac CHL.	O18	Cooper	015N	O2/Ar	N	Prod	DON	Lessard	Lomas	ALK	Radon			Th		No.	
1	136	136		94	✓149 150				✓106		✓											X		✓	1
2	120			95							✓											X			2
3	100			94							✓											X			3
4	88			97							✓											X			4
5	70			98																					5
6	60			99			15	12			✓											X			6
7	50			100	✓151 153		5	11																	7
8	40			101			4	10			✓											X			8
9	31		A24	102			3	9														X		✓	9
10	20		011	103			2	8			✓											X			10
11	10	X	012	104			1	7			✓											X		✓	11
12	0	X		105																					12

ICE LOG: Surface Ice Conditions or proximity to ice edge

Rosette Notes:

NB 12 - tipped past ball in
Bot 11 - bottom + maybe freezing
1295

VESSEL	USCG Healy	CRUISE ID	H10802	PROJECT & LEG	BEST/BSIERP_Spring'08	Ship Designation (I.D.)	1H0802	STATION NO.	31
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CONSC	CAST #	DEG	MIN	LATITUDE	DEG	MIN	LONGITUDE	DAY	MO	YR	HR	MIN	TIME (GMT)	DRY BULB	WET BULB	PRESSURE	SEA STATE	VISIBILITY	WIND DIRN.	WIND SPD.	CLOUD (amt)	TYPE	WEATHER	BOTTOM DEPTH	STA. NAME/ID	
	04959	5	4.05	N	176	26.47	W	68	A	P	08	16	02	16.7			15			096	16				141	M15

SBE 9+	FLUOR S/N	REMARKS
PRESS SN	SBE43-Oxy (prime)	
PRI TEMP SN	SBE43-Oxy (sec)	
SEC TEMP SN	Transmissometer	
PRI COND SN	PAR S/N	
SEC COND SN	O2 Temp Sensor No.	

NIS	DEPTH	Roset.	Hydro Team-PMEL				Weingartner	Grebmeier	Masha		Sambrotto	Harvey	Moran/	DIC	Shull	Sherr	Pat	Katrin	NIS				
No.	DESIRED	notes	SALT	NUTS	O2-Btl.No	O2 Temp	CHL.	Frac CHL.	O18	Cooper	b15N	O2/Ar	N	Prod	DON	Lessard	Lomas	ALK	Radon		Th		No.
1	1347	✓	0/3	108									✓	✓	4	✓		✓					1
2	38	✓		109									✓	✓	4	✓		✓			✓		2
3	25	✓ _{no}		110									✓	✓				✓			✓		3
4	20	✓		111									✓	✓	111	✓		✓			✓		4
5	15	✓	0/4	112									✓	✓		✓		✓			✓		5
6	10			113									✓	✓	112	✓		✓			✓		6
7	5		0/5	114									✓	✓				✓				✓	7
8	4			115									✓	✓	111	✓		✓					8
9																14							9
10																							10
11																							11
12																							12

ICE LOG: Surface Ice Conditions or proximity to ice edge

Rosette Notes:

3000

VESSEL USCG Healy	CRUISE ID H10802	PROJECT & LEG BEST/BSIERP_Spring08	Ship Designation (I.D.) H10802	STATION NO. 31
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CONSC CAST #	LATITUDE		LONGITUDE		TIME (GMT)	DRY BULB	WET BULB	PRESSURE	SEA STATE	VISIBILITY	WIND DIRN.	WIND SPD.	CLOUD (amt)	TYPE	WEATHER	BOTTOM DEPTH	STA. NAME/ID		
	DEG	MIN	DEG	MIN	DAY	MO	YR	HR	MIN	(°C)	(°C)	(mb)	*	(deg)	(kts)	*	*	(m)	
0505957	20	N	176	33	28	W	09	A	P	08	05	03	-9	.9	.	14		142m	N15

SBE 9+	FLUOR S/N	REMARKS	MAX. DEPTH =
PRESS SN	SBE43-Oxy (prime)	Radex (Shall)	m
PRI TEMP SN	SBE43-Oxy (sec)	2 lossant	
SEC TEMP SN	Transmissometer	cast - 3 bottles	
PRI COND SN	PAR S/N	cell max	
SEC COND SN	O2 Trip Sensor No.		

No.	DEPTH	Roset. notes	Hydro Team-PMEL				Weingartner		Masha		Sambrotto		Harvey Lessard	Moran/ Lomas	DIC ALK	Shull Radon	Sherr	Pat	Katrin	No.	
			SALT	NUTS	O2-Btl.No	O2 Temp	CHL.	Frac CHL.	O18	Cooper	015N	O2/Ar									N
1	140	✓																			1
2	120	✓								✓											2
3	100	✓								✓											3
4	80	✓																			4
5	60	✓								查											5
6	45	✓								✓											6
7	30	✓								✓											7
8	15	✓											✓								8
9	15	✓											✓								9
10	15	✓											✓								10
11	15	✓								✓											11
12	0	✓								✓											12

ICE LOG: Surface Ice Conditions or proximity to ice edge

Rosette Notes:

↑ SE PON
Please
don't dump right away!

VESSEL USCG Healy	CRUISE ID H10802	PROJECT & LEG BEST/BSERP_Spring 08	Ship Designation (I.D.) 1H0802	STATION NO. 33
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CONSC CAST #	LATITUDE		LONGITUDE		TIME (GMT)	DRY BULB	WET BULB	PRESSURE	SEA STATE	VISIBILITY	WIND DIRN.	WIND SPD.	CLOUD (amt)	TYPE	WEATHER	BOTTOM DEPTH	STA. NAME/ID
052	59	53.8	178	11.15	09A	1237	-13.6	15	085	5	143m	18					

DEG	MIN	DEG	MIN	DAY	MO	YR	HR	MIN	(°C)	(°C)	(mb)	*	*	(deg)	(kts)	*	*	(m)
REMARKS																		
To cast																		
No BTE fired																		

NIS	DEPTH	Roset.	Hydro Team-PMEL				Weingartner	Grebmeier	Masha			Sambrotto		Harvey	Moran/	DIC	Snull	Sherr	Pat	Katrin	NIS
No.	DESIRED	notes	SALT	NUTS	O2-Btl.No	O2 Temp	CHL.	Frac CHL.	O18	Cooper	615N	O2/Ar	N	Prod	DON	lessard	Lornas	ALK	Radon	Th	No.
1																					1
2																					2
3																					3
4																					4
5																					5
6																					6
7																					7
8																					8
9																					9
10																					10
11																					11
12																					12

ICE LOG: Surface Ice Conditions or proximity to ice edge

Rosette Notes: lots of ice

8

VESSEL USCG Healy CRUISE ID H10802 PROJECT & LEG BEST/BSERP_Spring'08 Ship Designation (I.D.) 1H0802 STATION NO. 33

CONSC CAST # 0535953.50 N LATITUDE 17811.61 W LONGITUDE 1334 DRY BULB -13.5 WET BULB PRESSURE 15 SEA STATE VISIBILITY 67806 WIND DIRN. (deg) 144 WIND SPD. (kts) 144 BOTTOM DEPTH (m) 144 STA. NAME/ID

REMARKS Descend at 1311 @ 10m

NIS	DEPTH	Roset.	Hydro Team-PMEL	Wengartner	Grebmeier	Masha	Sambrotto	Harvey	Moran/ Lomas	DIC	Shull	Sherr	Pat	Katrin	NIS								
No.	DESIRED	notes	SALT	NUTS	O2-Btl.No	O2 Temp	CHL.	Frac CHL.	O18	Cooper	b15N	O2/Ar	N	Prod	DON	Lessard	Lomas	ALK	Radon	Sherr	Pat	Katrin	No.
1	105	136	0/9	128	016 122						✓							✓					1
2	125			130							✓							✓					2
3	140			131							✓							✓					3
4	150			132							✓							✓					4
5	160										✓							✓					5
6	170		0/10	1			3				✓							✓					6
7	180		0/11	2			4				✓							✓					7
8	190			3	120 121		3				✓							✓					8
9	200			4			2				✓							✓					9
10	210										✓							✓					10
11	220			5			1				✓							✓					11
12																							12

ICE LOG: Surface Ice Conditions or proximity to ice edge

Rosette Notes:

rough T15.02 rough on up cast - from 100 to 28m, then OK
On both primary and secondary T+C.

0

VESSEL USCG Healy	CRUISE ID H10802	PROJECT & LEG BEST/BSIERP_Spring'08	Ship Designation (I.D.) 1H0802	STATION NO. 34
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CONSC CAST #	LATITUDE	LONGITUDE	TIME (GMT)	DRY BULB	WET BULB	PRESSURE	SEA STATE	VISIBILITY	WIND DIRN.	WIND SPD.	CLOUD (amt)	TYPE	WEATHER	BOTTOM DEPTH	STA. NAME/ID
0545954	42N	17925.57W	09 APR 08 2008	10.5		18			086	10				2685m	V20

SBE 9+	FLUOR S/N	REMARKS
PRESS SN	SBE43-Oxy (ptime)	
PRI TEMP SN	SBE43-Oxy (sec)	
SEC TEMP SN	Transmissometer	
PRI COND SN	PAR S/N	
SEC COND SN	O2 Temp Sensor No.	

NIS	DEPTH	Roset.	Hydro Team-PMEL				Weingartner	Grebmeier	Masha			Sambrotto		Harvey	Moran/	DIC	Shull	Sherr	Pat	Katrin	NIS		
No.	DESIRED	notes	SALT	NUTS	O2-Btl.No	O2 Temp	CHL.	Frac CHL.	O18	Cooper	015N	O2/Ar	N	Prod	DON	Lessard	Lomas	ALK	Radon		Th		No.
1	2500	✓	P/12	6	136				112 ✓		✓				✓					✓		1	
2	2000	✓		7	058				113 ✓		✓							76			✓	2	
3	1500	✓	P/13	8	1049				114 ✓		✓				✓			75			✓	3	
4	1200	✓		9	166				115 ✓		✓							74			✓	4	
5	900	✓	P/14	10	165				116 ✓		✓				✓			73			✓	5	
6	600	✓		11	198				117 ✓		✓							72			✓	6	
7	300	✓		12	205				118 ✓		✓				✓			71			✓	7	
8	100	✓	P/15	13	243		5	11	119 ✓		✓				✓			70			✓	8	
9	40	✓		14	131		4	10	120 ✓		✓							69			✓	9	
10	20	✓		15	132		13	9	121 ✓		✓				✓			68		CN	✓	10	
11	10			16	078		2	8	122 ✓		✓							67		180	✓	11	
12	0			17	082		1	7	123 ✓		✓				✓			66			✓	12	

ICE LOG: Surface Ice Conditions or proximity to ice edge

Rosette Notes:

800m ~ D₂ W/L/W/W/W/W

300m ~ T_WW

20m ~ C/L W-W-X

760

VESSEL USCG Healy		CRUISE ID H10802		PROJECT & LEG BEST/BSIERP_Spring'08		Ship Designation (I.D.) 110802		STATION NO. 35																																							
CONSC CAST #		LATITUDE		LONGITUDE		TIME (GMT)		DRY BULB		WET BULB		PRESSURE		SEA STATE		VISIBILITY		WIND DIRN.		WIND SPD.		CLOUD (amt)		TYPE		WEATHER		BOTTOM DEPTH		STA. NAME/ID																	
DEG		MIN		DEG		MIN		DAY		MO		YR		HR		MIN		°C		°C		(mb)		*		*		(deg)		(kts)		*		*		(m)											
0556246.95N				17420.98W				10		APR		08		21		56		12.7				20						265						175													
SBE 9+				FLUOR S/N																																											
PRESS SN				SBE43-Oxy (prime)																																											
PRI TEMP SN				SBE43-Oxy (sec)																																											
SEC TEMP SN				Transmissometer																																											
PRI COND SN				PAR S/N																																											
SEC COND SN				O2 Temp Sensor No.																																											
NIS		DEPTH		Roset.		Hydro Team-PMEL		Wingartner		Grebmeier		Mascha		Sambrotto		Harvey		Moran/		DIC		Shull		Sherr		Pat		Katrin		NIS																	
No.		DESIRED		notes		SALT		NUTS		O2-Btl No		O2 Temp		CHL.		Frac CHL.		O18		Cooper		Q15N		O2/Air		N		Prod		DON		Lessard		Lomas		ALK		Radon									
1		71		✓				18		113				6				126		✓																											
2		68		✓																																											
3		50		✓				19																																							
4		40		✓				20						5																																	
5		30		✓				21						4																																	
6		20		✓				22						13																																	
7		10		✓				23						2				127																													
8		0		✓				24						1				128																													
9																																															
10																																															
11																																															
12																																															

ICE LOG: Surface Ice Conditions or proximity to ice edge

Rosette Notes:

Winkler 113 taken before Optode put in
192 taken during Optode measurement while Niskin open
at top.

VESSEL USCG Healy		CRUISE ID H10802		PROJECT & LEG BEST/BSIERP_Spring 08		Ship Designation (I.D.) H10802		STATION NO. 36																											
CONSC CAST #		LATITUDE		LONGITUDE		TIME (GMT)		DRY BULB		WET BULB		PRESSURE		SEA STATE		VISIBILITY		WIND DIRN.		WIND SPD.		CLOUD (amt)		TYPE		WEATHER		BOTTOM DEPTH		STA. NAME/ID					
056		62 13.19 N		17556.25 W		11 APR 08		0551-4.8		.		16		*		*		230		20		*		*		*		235414							
DEG		MIN		DEG		MIN		DAY		MO		YR		HR		MIN		(°C)		(°C)		(mb)		*		*		(deg)		(kts)		(m)			
SBE 9+				FLUOR S/N																															
PRESS SN				SBE43-Oxy (prime)																															
PRI TEMP SN				SBE43-Oxy (sec)																															
SEC TEMP SN				Transmissometer																															
PRI COND SN				PAR S/N																															
SEC COND SN				02 Temp Sensor No.																															

Rosette Notes:

continuous sheet of ice

ICE LOG: Surface Ice Conditions or proximity to ice edge

VESSEL USCG Healy	CRUISE ID H10802	PROJECT & LEG BEST/BSIERP_Spring'08	Ship Designation (I.D.) H10802	STATION NO. 32
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CONSC CAST #	LATITUDE		LONGITUDE		C94d TIME (GMT)	DRY BULB (°C)	WET BULB (°C)	PRESSURE (mb)	SEA STATE *	VISIBILITY *	WIND DIRN. (deg)	WIND SPD. (kts)	CLOUD (amt) *	WEATHER TYPE *	BOTTOM DEPTH (m)	STA. NAME/ID
05762	12.7	71N	17532.04	W 11	A P R 0 8	-6.6	.	13			12519				875413	

SBE 9+	FLUOR S/N	REMARKS C max ~ 10 02 min @ 50 (76-40m) at lower Ch
PRESS SN	SBE43-Oxy (prime)	
PRI TEMP SN	SBE43-Oxy (sec)	
SEC TEMP SN	Transmissometer	
PRI COND SN	PAR S/N	
SEC COND SN	O2 Temp Sensor No.	

INS	DEPTH	Roset.	Hydro Team-PMEL				Weingartner			Masha		Sambrutto		Harvey		Moran/		DIC	Shull	Sherr	Pat	Katrin	INS
No.	DESIRED	notes	SALT	NUTS	O2-Btl.No	O2 Temp	CHL.	Frac CHL.	O18	Cooper	015N	O2/Ar	N	Prod	DON	Lessard	Lomas	ALK	Radon		Th		No.
1	Bot	81	0/18	35	✓163																		1
2	76		0/19	34																			2
3	60		0/20	37																			3
4	50			38	✓384																		4
5	40			39	✓206																		5
6	30			40																			6
7	20			41																			7
8	10			42																			8
9	0			43																			9
10																							10
11																							11
12																							12

ICE LOG: Surface Ice Conditions or Proximity to Ice edge

Rosette Notes:

* O₂ 164 - neogento dispersed badly - made as 208

VESSEL	CRUISE ID	PROJECT & LEG	Shp Designation (I.D.)	STATION NO.
USCG Healy	H10802	BEST/BSIERP_Spring'08	1H0802	38

CONSC CAST #	LATITUDE	LONGITUDE	TIME (GMT)	DRY BULB	WET BULB	PRESSURE	SEA STATE	VISIBILITY	WIND DIRN.	WIND SPD.	CLOUD (amt)	TYPE	WEATHER	BOTTOM DEPTH	STA. NAME/ID
	DEG MIN	DEG MIN	DAY MO YR	HR MIN	(°C)	(°C)	(mb)	*	(deg)	(kts)	* * *	* *		(m)	
0586211.410 N		17508.44 W	11 APR 08	1301-16.8		.12		*	25421					82	SLI12

MAX. DEPTH = m

Std out of start of process section

Chd may	20 gA	~1.0
D ₂ m ₂ m ₂	~32	

[illegible]

Rosette Notes:

conditions or proximity to ice edge

Badken ice - refrozen in between (large pieces)

VESSEL USCG Healy		CRUISE ID H10802		PROJECT & LEG BEST/BSIEP_Spring'08		Ship Designation (I.D.) 1H0802		STATION NO. 38																																											
CONSC CAST #		LATITUDE		LONGITUDE		TIME (GMT)		DRY BULB		WET BULB		PRESSURE		SEA STATE		VISIBILITY		WIND DIRN.		WIND SPD.		CLOUD (amt)		TYPE WEATHER		BOTTOM DEPTH		STA. NAME/ID																							
DEG		MIN		DEG		MIN		DAY		MO		YR		HR		MIN		(°C)		(°C)		(mb)		*		*		(deg)		(kts)		*		*		(m)															
059		62		11		87		N		17		50		6		13		W		11		A		P		R		0		8		15		30		-6.5		.		09		179		24		81		52		112	
SSE 9+		PRESS SN		PR TEMP SN		SEC TEMP SN		PR COND SN		SEC COND SN		FLUOR S/N		SBE43-Oxy (prine)		SBE43-Oxy (sec)		Transducer		PAR S/N		O2 Trip Sensor No.		REMARKS		PROD CHST		MAX DEPTH =		m																					
No.		DESIRED		notes		SALT		NUTS		O2-BR.No		O2 Temp		CHL		Frac CHL		O18		Cooper		Mesta		O2/Ar		N		Prod		DON		Lessard		Moran/		DIC		Shull		Sherr		Pat		Katin		No.					
1		74		✓		124		53																																											
2		23		✓		H1		53																																											
3		15		✓		F12		32/54																																											
4		12		✓				32/55																																											
5		9		✓				B4																																											
6		9		✓				56																																											
7		6		✓				B5																																											
8		6		✓				57																																											
9		3		✓				B6																																											
10		3		✓				58																																											
11		0						B7																																											
12		0						59																																											

ICE LOG: Surface Ice Conditions or proximity to ice edge

Rosette Notes:

1 3 6 9 12 15 23

1 2 3 4 5 6 7 8 9 10 11 12

VESSEL USCG Healy		CRUISE ID H10802		PROJECT & LEG BEST/BSIERP_Spring'08		Ship Designation (I.D.) 1H0802		STATION NO. 38	
CONSC CAST #		LATITUDE		LONGITUDE		TIME (GMT)		1700 end	
DEG	MIN	DEG	MIN	DAY	MO	YR	HR	MIN	SEC
06	06	12	24	11	APR	08	16	48	06
SSE 9+		FLUOR S/N		SBE43-Oxy (prime)		SBE43-Oxy (sec)		Transmissometer	
PRESS SN		PAR S/N		O2 Temp Sensor No.		REMARKS		SHERP CAST	
PRI TEMP SN		MAX DEPTH =		m					
SEC TEMP SN									
PRI COND SN									
SEC COND SN									
NIS		DEPTH		Roset.		Hydro Team-PWEL		Weingartner	
No.		DESKED		notes		SALT		NUTS	
1		74						6.0	
2		10						6.1	
3		10						6.2	
4		10						6.3	
5		10						6.4	
6		10						6.5	
7		10						6.6	
8		10						6.7	
9		10						6.8	
10		0						6.9	
11								7.0	
12								7.1	
NIS		DEPTH		Roset.		Hydro Team-PWEL		Weingartner	
No.		DESKED		notes		SALT		NUTS	
1		74						6.0	
2		10						6.1	
3		10						6.2	
4		10						6.3	
5		10						6.4	
6		10						6.5	
7		10						6.6	
8		10						6.7	
9		10						6.8	
10		0						6.9	
11								7.0	
12								7.1	

ICE LOG: Surface Ice Conditions or proximity to ice edge

Rosette Notes:

VESSEL USCG Healy	CRUISE ID H10802	PROJECT & LEG BEST/BSIERP-Spring'08	Ship Designation (I.D.) 140802	STATION NO. 38
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[illegible]

Rosette Notes:

9th weakie plus, answer given

102

VESSEL		CRUISE ID		PROJECT & LEG		SHIP Designation (I.D.)		STATION NO.																
USCG Healy		H10802		BEST/BSERP Spring'08		H10802		39																
CONSC CAST #	LATITUDE		LONGITUDE		TIME (GMT)	DRY BULB	WET BULB	PRESSURE	SEA STATE	VISIBILITY	WIND DIRN.	WIND SPD.	CLOUD (amt)	TYPE	WEATHER	BOTTOM DEPTH	STA. NAME/ID							
DEG	MIN	DEG	MIN	DAY	MO	YR	HR	MIN	(°C)	(°C)	(mb)	*	*	(deg)	(kts)	*	*	(m)						
06362	11	63	N	24	38	10	W	12	A	P	08	01	01	-0.3	-	03	300	06						
REMARKS																								
MAX. DEPTH =																								
SBE 9+ _____ FLUOR S/N _____																								
PRESS SN _____ SBE43-Oxy (prime) _____																								
PNI TEMP SN _____ SBE43-Oxy (sec) _____																								
SEC TEMP SN _____ Transmissometer _____																								
PNI COND SN _____ PAR S/N _____																								
SEC COND SN _____ O2 Temp Sensor No. _____																								
NIS DEPTH Roset. Hydro Team-PWEL																								
No.	DESIRED	notes	SALT	NUTS	O2-BI.Ng	O2 Temp	CHL.	Frac CHL.	Wiegarter	O18	Cooper	Masha	O2/Ar	N	Prod	DON	Harvey	Moran/	DIC	Shull	Sherr	Pat	Katrin	NIS
1	67	✓	F/6	66	143				135															1
2	50	✓		67	144		6	12																2
3	40	✓		68			5	11																3
4	30	✓	F/9	69			4	10																2
5	20	✓		70			13	9																3
6	10	✓		71			2	8	136															2
7	0	✓		72			1	7	137															3
8																								2
9																								3
10																								2
11																								3
12																								12

ICE LOG: Surface Ice Conditions or proximity to ice edge

Rosette Notes:

boath T - heater

VESSEL		CRUISE ID		PROJECT & LEG		Ship Designation (I.D.)		STATION NO.													
USCG Healy		H10802		BEST/BSIEPP_Spring 08		1H0802		40													
CONSC CAST #	LATITUDE		LONGITUDE		TIME (GMT)		DRY BULB	WET BULB	PRESSURE	SEA STATE	VISIBILITY	WIND DRN.	WIND SPD.	CLOUD (amt)	TYPE	WEATHER	BOTTOM DEPTH	STA. NAME/ID			
	DEG	MIN	DEG	MIN	DAY	MO	YR	HR	MIN	(°C)	(°C)	(mb)	*	(deg)	(kts)	*	*	(m)			
06416208.71N			17359.65W		12	A	P	R	08	0532-6.8		07		330	14			655L10			
SBE 9+ _____ FLUOR S/N _____ PRESS SN _____ SBE43-Oxy (prime) _____ PRT TEMP SN _____ SBE43-Oxy (sec) _____ SEC TEMP SN _____ Transducer _____ PRT COND SN _____ PAR S/N _____ SEC COND SN _____ O2 Temp Sensor No. _____																					
REMARKS _____																					
MAX. DEPTH = _____ m																					
NO.	DEPTH	Roset.	Hydro Team-PMEL	Wingardner	Grebmeier	Masra	Sambrotto	Harvey	Moran/	DIC	Snell	Sherr	Pat	Katrin	No.						
	DESIRED	notes	SALT	NUTS	O2-BI:MO	O2 Temp	CHL.	Frac CHL.	O18	Cooper	O1SN	O2/AR	N	Prod	DON	Lessard	Lomas	ALK	Radon	Th	
1	61	✓		73	150				140									✓			
2	50	✓		74			6											✓			
3	40	✓		75			5											✓			
4	30	✓		76			4											✓			
5	20	✓		77			13											✓			
6	10	✓		78			2		139									✓			
7	0	✓		79	153		1		138									✓			
8																					
9																					
10																					
11																					
12																					

ICE LOG: Surface Ice Conditions or proximity to ice edge

Rosette Notes:

VESSEL		CRUISE ID		PROJECT & LEG		Ship Designation (I.D.)		STATION NO.											
USCG Healy		H10802		BEST/BSHERP_Spring 08		H10802		41											
CONSC CAST #	LATITUDE		LONGITUDE		TIME (GMT)		DRY BULB	WET BULB	PRESSURE	SEA STATE	VISIBILITY	WIND DIRN.	WIND SPD.	CLOUD (amt)	TYPE	WEATHER	BOTTOM DEPTH	STA. NAME/ID	
	DEG	MIN	DEG	MIN	DAY	MO	YR	HR	MIN	(°C)	(°C)	(mb)	*	(deg)	(kts)	*	*	(m)	
0656205	27	N	17319	1	W	12	A	P	R	0	8	0955	-7	7				62	5109
SBE 9+ _____ FLUOR S/N _____ PRESS SN _____ SBE43-Oxy (prime) _____ PRI TEMP SN _____ SBE43-Oxy (sec) _____ SEC TEMP SN _____ Transmissometer _____ PRI COND SN _____ PAR S/N _____ SEC COND SN _____ O2 Temp Sensor No. _____																			
REMARKS																			
MAX. DEPTH = _____ m																			
NS	DEPTH	Roset.	Hydro Team-PWEL	Wingartner	Grebnier	Masina	Sambrotto	Harvey	Moran/	DIC	Snell	Sherr	Pat	Katrin	NS				
No	DESIRED	notes	SALT	NUTS	O2-BL No	O2 Temp	CHL.	Frac CHL.	O18	Cooper	Δ15N	O2/Ar	N Prod	DON	Lessard	Lomas	ALK	Radon	No.
1	105	✓	56 F/8	80	✓157		6		141		✓								1
2	40	✓		81			5												2
3	30	✓		82			4												3
4	20	✓		83	✓160		3												2
5	10																		3
6	10																		2
7	10																		3
8	10		F/9	84		2			142		✓								2
9	0		F/10	85		1			143		✓								3
10																			2
11																			3
12																			12

ICE LOG: Surface Ice Conditions or proximity to ice edge

Rosette Notes:

VESSEL USCG Healy	CRUISE ID H10802	PROJECT & LEG BEST/BSERP-Spring 08	Ship Designation (I.D.) 1H0802	STATION NO. 42
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CONSC CAST #	LATITUDE		LONGITUDE		TIME (GMT)	DRY BULB (°C)	WET BULB (°C)	PRESSURE (mb)	SEA STATE *	VISIBILITY *	WIND DIRN. (deg)	WIND SPD. (kts)	CLOUD (amt) *	TYPE *	WEATHER	BOTTOM DEPTH (m)	STA. NAME/ID					
	DEG	MIN	DEG	MIN																		
666	62	04	42	N	17	25	31	W	12	A	P	R	O	8	15	22	-	8.1	08	3603	405	LS.5

SBE 9+	FLUOR S/N	REMARKS
PRESS SN	SBE43-Oxy (prime)	PROD 445
PRI TEMP SN	SBE43-Oxy (sec)	at Plat at Bay
SEC TEMP SN	Transmissometer	
PRI COND SN	PAR S/N	
SEC COND SN	O2 Temp Sensor No.	

Miss	DEPTH	Roset.	Hydro Team-FNEL	Weingartner	Gedemeier	Masla	Sambratto	Harvey	Moran/	DIC	Snul	Sher	Pat	Katrin	MS						
No.	DESIRED	notes	SALT	NUTS	O2-Btl.No	O2 Temp	CHL.	Frac CHL.	O18	Cooper	015N	O2/Ar	N Prod	DON	Lessard	Lomas	ALK	Radon		Th	No.
1	Bot	54	1411	87																	1
2	09			88 B8												✓24					2
3	19			89 B9												✓23					3
4	15			90 B10												✓22					2
5	11		1412	91 B11												✓21					3
6	8			92 B12												✓20					2
7	4			93 B13												✓19					3
8	0		1413	94 B14																	2
9	0			95												✓68					3
10																					2
11																					3
12																					12

ICE LOG: Surface Ice Conditions or proximity to ice edge

Rosette Notes: Lead in very long, ice

1800

25, 19, 15, 11, 8, 4, 0

875?

Near Ice Station 6

VESSEL USCG Healy		CRUISE ID H10802		PROJECT & LEG BEST/BSERP-Spring08		Ship Designation (I.D.) H0802		STATION NO. 43																							
CONSC CAST #		LATITUDE		LONGITUDE		TIME (GMT) 0219		DRY BULB		WET BULB		PRESSURE		SEA STATE		VISIBILITY		WIND DIRN.		WIND SPD.		CLOUD (amt)		TYPE		WEATHER		BOTTOM DEPTH		STA. NAME/D	
0676205.16N		17249.82W		13APR08		0205-5.6		95		7015		59548.25																			
DEG		MIN		DEG		MIN		DAY		MO		YR		HR		MIN		(°C)		(°C)		(mb)		*		(deg)		(kts)		(m)	
SSE 9+				FLUOR S/N																											
PRESS SN				SBE43-Oxy (prime)																											
PPI TEMP SN				SBE43-Oxy (sec)																											
SEC TEMP SN				Transducer																											
PPI COND SN				PAR S/N																											
SEC COND SN				02 Temp Sensor No.																											
NIS		DEPTH		Roset.		Hydro Team-PMEL		Weingartner		Grubmeyer		Masla		Sambrotto		Harvey		Moran/		DIC		Shull		Sherr		Fat		Katrin			
No.		DISRD		notes		SALT		NLTS		02-BL/NO		02 Temp		CHL		Frac CHL		018		Cooper		015N		02/AR		N		Prod		DON	
1		53		✓		B/14		96		046				6				144		✓											
2		40		✓		B/15		97						5																	
3		30		✓		B/16		98						4						✓											
4		20		✓		B/17		99						13																	
5		10		✓		B/18		100						2				145													
6		0		✓		B/19		101						1				146		✓											
7																															
8																															
9																															
10																															
11																															
12																															

ICE LOG: Surface Ice Conditions or proximity to ice edge

Rosette Notes:

20m - chl max

02 Sample Bottle 044 Broken

1080

VESSEL USCG Healy		CRUISE ID H10802		PROJECT & LFG BEST/BSIERP_Spring08		Ship Designation (I.D.) 1H0802		STATION NO. 44													
CONSC CAST #	LATITUDE		LONGITUDE		TIME (GMT)	DRY BULB	WET BULB	PRESSURE	SEA STATE	VISIBILITY	WIND DIRN.	WIND SPD.	CLOUD (amt)	TYPE	WEATHER	BOTTOM DEPTH	STA. NAME/ID				
068	DEG	MIN	DEG	MIN	DAY	MO	YR	HR	MIN	(°C)	(°C)	(mb)	*	*	(deg)	(kts)	*	*	(m)		
6203.15 N			17238.50 W		13	A	P	R	08	0408-5.3			94			06017			55548		
SBE 9+ _____ FLUOR S/N _____ PRESS SN _____ SBE43-Oxy (prime) _____ PRI TEMP SN _____ SBE43-Oxy (sec) _____ SEC TEMP SN _____ Transducer _____ PRI COND SN _____ PAR S/N _____ SEC COND SN _____ 02 Temp Sensor No. _____																					
REMARKS _____																					
MAX DEPTH = _____ m																					
NS	DEPTH	Roset	Hydro Team-PMEL	Wingardner	Grebner	Masfa	Sambrotto	Harvey	Moran/	DIC	Shull	Sherr	Pat	Katrin	NS						
No.	DESID	notes	SALT	NUTS	02-BL No	02 Temp	CHL	Frac CHL	018	Cooper	015N	02/Ar	N	Prod	DON	Lessard	Lomas	ALK	Radon	Th	No.
1	52	✓	13/20	102	116		6								X						1
2	40	✓	13/21	103	127		5				✓				X						2
3	30	✓		104			4								X						3
4	20	✓		105			3								X						2
5	10	✓		106			2				✓				X						3
6	0	✓		107			1								X						2
7																					3
8																					2
9																					3
10																					2
11																					3
12																					12

ICE LOG: Surface Ice Conditions or proximity to ice edge

Rosette Notes:

20m - chl max

02 14 - Calvin

127 Chans

120 - Jeremy

745

VESSEL USCG Healy		CRUISE ID H10802		PROJECT & LEG BEST/BIERP-Spring 08		Ship Designation (I.D.) H10802		STATION NO. 45													
CONSC CAST #	LATITUDE		LONGITUDE		TIME (GMT)	DRY BULB	WET BULB	PRESSURE	SEA STATE	VISIBILITY	WIND DIRN.	WIND SPD.	CLOUD (amt)	WEATHER	BOTTOM DEPTH	STA. NAME/ID					
060961	DEG	MIN	DEG	MIN	DAY	MO	YR	HR	MIN	(°C)	(°C)	(mb)	+	+	(deg)	(kts)	+	+	(m)		
59.83			171	55.59	W	13	A	P	R	08	0742	-4.9				93			04013		
SBE 9+ _____ FLUOR S/N _____ PRESS SN _____ SBE43-Oxy (prime) _____ PRI TEMP SN _____ SBE43-Oxy (sec) _____ SEC TEMP SN _____ Transmissionmeter _____ PRI COND SN _____ PAR S/N _____ SEC COND SN _____ O2 Trip Sensor No. _____																					
REMARKS																					
MAX. DEPTH = _____ m																					
NS	DEPTH	Roset.	Hydro Team-FMEL	Wingardner	Grebmeier	Masita	Sambrotto	Harvey	Moran/	DIC	Shull	Sherr	Pat	Katrin	NS						
No.	DESIRED	notes	SALT	NUTS	O2-B/L No	O2 Temp	CHL.	Frac CHL.	O18	Cooper	01SN	O2/Ar	N	Prod	DON	Lessard	Lomas	ALK	Radon	Th	No.
1	49	✓	B/22	108	✓121		6	12	147												1
2	40	✓	B/23	109			5	11													2
3	30	✓		110			4	10													3
4	20	✓	B/24	111			3	9													2
5	10	✓		112	✓136		2	8	148												3
6	0	✓		113			1	7	149												2
7																					3
8																					2
9																					3
10																					2
11																					3
12																					12

ICE LOG: Surface Ice Conditions or proximity to ice edge

Rosette Notes:

3289

VESSEL USCG Healy	CRUISE ID H10902	PROJECT & LEG BEST/BSERP Spring 08	Ship Designation (I.D.) 110802	STATION NO. 46
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CONSC CAST #	LATITUDE		LONGITUDE		TIME (GMT)	DRY BULB	WET BULB	PRESSURE	SEA STATE	VISIBILITY	WIND DIRN.	WIND SPD.	CLOUD (amt)	WEATHER	BOTTOM DEPTH	STA. NAME/ID						
0706157	DEG	MIN	DEG	MIN	DAY	MO	YR	HR	MIN	(°C)	(°C)	(mb)	*	*	(deg)	(kts)	*	*	*	(m)	53	SL6

SBE 9+	FLUOR S/N	REMARKS	MAX DEPTH =
PRESS SN	SBE43-Oxy (prime)	Large Jellyfish on ct	m
PRI TEMP SN	SBE43-Oxy (sec)	RABON SCHOOL + Leonard	
SEC TEMP SN	Transducer		
PRI COND SN	PAR S/N		
SEC COND SN	O2 Temp Sensor No.		

NIS	DEPTH	Rosett	Hydro Team-PMEL	Weingartner	Grebmeier	Masha	Sambrotto	Harvey	Moran/	DIC	Shull	Sherr	Pat	Katrin	NIS							
No.	DESIRED	notes	SALT	NGTS	O2-B/L No	O2 Temp	CHL	Frac CHL	O18	Cooper	δ15N	O2/Ar	N Prod	DON	Lessard	Lomas	ALK	Radon	Sherr	Pat	Th	No.
1	42																	✓				1
2	A2																	✓				2
3	36																	✓				3
4	30																	✓				4
5	24																	✓				5
6	18																	✓				6
7	12																					7
8	18											520			✓							8
9	15														✓							9
10	10														✓							10
11	6																	✓				11
12	0																	✓				12

ICE LOG: Surface Ice Conditions or proximity to ice edge

Rosette Notes:

1800

Rosette Notes:

ICE LOG: Surface Ice Conditions or proximity to ice edge

VESSEL		CRUISE ID		PROJECT & LEG		Ship Designation (I.D.)		STATION NO.															
USCG Healy		H10802		BEST/BSERP-Spring'08		H10802																	
CONSC CAST #	DEG	LATITUDE		DEG	LONGITUDE		TIME (GMT)	DRY BULB	WET BULB	PRESSURE	SEA STATE	VISIBILITY	WIND DIRN.	WIND SPD.	CLOUD (amt)	WEATHER	BOTTOM DEPTH	STA. NAME/ID					
07261	57	48 N		171	1171 W		1308	1336-4.9		91			011	14			52	SL6					
SSE 9+		FLUOR S/N		SBE43-Oxy (prime)		SBE43-Oxy (sec)		Transmissometer		PAR S/N		O2 Temp Sensor No.		REMARKS									
PRESS SN		SBE43-Oxy (prime)		SBE43-Oxy (sec)		Transmissometer		PAR S/N		O2 Temp Sensor No.		Shore Cast batle 11 - top not soaked exactly, leads a small amt of snow and ground filter castins labelled "75" not "71"											
PRI TEMP SN		SBE43-Oxy (prime)		SBE43-Oxy (sec)		Transmissometer		PAR S/N		O2 Temp Sensor No.		MAX DEPTH =											
SEC TEMP SN		SBE43-Oxy (prime)		SBE43-Oxy (sec)		Transmissometer		PAR S/N		O2 Temp Sensor No.													
PRI COND SN		SBE43-Oxy (prime)		SBE43-Oxy (sec)		Transmissometer		PAR S/N		O2 Temp Sensor No.													
SEC COND SN		SBE43-Oxy (prime)		SBE43-Oxy (sec)		Transmissometer		PAR S/N		O2 Temp Sensor No.													
NO.	DEPTH	Rosett.	Hydro Team-PWEL	Wingarter	Gretnear	Masfira	Sambrotto	Harvey	Moran/	DIC	Snail	Sherr	Pat	Katrin	NS								
1	49	notes	SALT	NUTS	O2-B/L No	O2 Temp	CHL	Frac CHL	O18	Cooper	WISN	O2/Air	N	Prod	DON	Lessard	Lomas	ALK	Radon	Sherr	Pat	Katrin	NS
2	14			121																			No.
3	14																						1
4	14																						2
5	14																						3
6	14			122																			2
7	14																						3
8	14																						2
9	14		A/4																				3
10	14		A/5																				2
11	14		A/6	123																			3
12																							12

8 at 24
1 at 2

VESSEL USCG Healy	CRUISE ID H10802	PROJECT & LEG BEST/BSIERR_Spring'08	Ship Designation (I.D.) H0802	STATION NO. 47
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CONSC CAST #	LATITUDE		LONGITUDE		TIME (GMT)	DRY BULB (°C)	WET BULB (°C)	PRESSURE (mb)	SEA STATE * * *	VISIBILITY (deg)	WIND DIRN (kts)	WIND SPD (kts)	CLOUD (amt) * * *	WEATHER TYPE	BOTTOM DEPTH (m)	STA. NAME/ID			
	DEG	MIN	DEG	MIN													DAY	MO	YR
07461	52	96	170	34	35	W	13	A	P	R	0	8	22	13	-5	.8	94	00513	60525

SBE 9+	FLUOR S/N	REMARKS	MAX. DEPTH =	m
PRESS SN	SBE43-Oxy (prime)			
PRI TEMP SN	SBE43-Oxy (sec)			
SEC TEMP SN	Transducer			
PRI COND SN	PAR S/N			
SEC COND SN	O2 Temp Sensor No.			

NIS	DEPTH	Roset.	Hydro Team-PMEL		Weingartner		Grebnier	Masha		Sambrotto		Harvey	Moran/	DIC	Snell	Sherr	Pat	Katrin	NIS		
No.	DESIRED	notes	SALT	NUTS	O2-BI.No	O2 Temp	CHL.	Frac CHL.	O18	Cooper	deltaSN	O2/Ar	N	Prod	DCN	Lessard	Lomas	ALK	Radon	Th	No.
1	45	✓	A/10	132	132		6	12	155												1
2	40	✓		133			5	11													2
3	30	✓	A/11	134			4	10													3
4	20	✓		135			3	9													2
5	10	✓		136			2	8	156												3
6	0	✓		137			1	7	157												2
7																					3
8																					2
9																					3
10																					2
11																					3
12																					12

ICE LOG: Surface Ice Conditions or proximity to ice edge

Rosette Notes:

O2 collected by BA-

385

VESSEL USCG Healy		CRUISE ID H10802		PROJECT & LEG BEST/BSERP_Spring 08		Ship Designation (I.D.) H10802		STATION NO. 48															
CONSC CAST #	DEG	LATITUDE MIN		DEG	LONGITUDE MIN		DAY	MO	YR	HR	MIN	TIME (GMT)	DRY BULB (°C)	WET BULB (°C)	PRESSURE (mb)	SEA STATE	VISIBILITY	WIND DIRN.	WIND SPD.	CLOUD (amt)	WEATHER	BOTTOM DEPTH	STA. NAME/ID
0756150.72N				16951.14W			14	APR	08	0141	5.5				95			351	18			45324	
SLE 9+ _____ FLOOR S/N _____ PRESS SN _____ SSEC43-Oxy (prime) _____ PRI TEMP SN _____ SSEC43-Oxy (sec) _____ SEC TEMP SN _____ Transmissometer _____ PRI COND SN _____ PAR S/N _____ SEC COND SN _____ 02 Temp Sensor No. _____																							
REMARKS																							
MAX DEPTH = _____ m																							
NO	DEPTD	Roset.	Hydro Team-PMEL	O2-B/LNO	O2 Temp	CHL	Frac CHL	Wingartner	Gebmeyer	Mesha	O2/Air	N Prod	Sambrotto	Heavey	Lissard	Moran/	DIC	Shull	Sherr	Pat	Katrin	NIS	
1	42	✓		138	243	5	11	158					✓									1	
2	40	✓		139	205																	2	
3	30	✓		140		4	10						✓									3	
4	20	✓		141		13	9						✓									4	
5	10	✓		142		2	8	159														5	
6	0	✓		143	180	1	7	160					✓									6	
7																						3	
8																						2	
9																						3	
10																						2	
11																						3	
12																						12	

ICE LOG: Surface ice conditions or proximity to ice edge

Rosette Notes:

Don't collect O₂

(244)

Please page Rebecca for

St. 48/SL4

21 Oct max
2nd 80/18

120

VESSEL USCG Healy		CRUISE ID H10802		PROJECT & LEG BEST/BSIERP_Spring08		Ship Designation (I.D.) H10802		STATION NO. 49																																					
CONSC CAST #		LATITUDE		LONGITUDE		TIME (GMT)		DRY BULB		WET BULB		PRESSURE		SEA STATE		VISIBILITY		WIND DIRN.		WIND SPD.		CLOUD (amt)		TYPE		WEATHER		BOTTOM DEPTH		STA. NAME/D															
0766148.86 N		16910.02 W		14 APR 08		0546-9.3		02		34016		H05L3																																	
SSE 9+		FLUOR S/N		SBE43-Oxy (prime)		SBE43-Oxy (sec)		Transducer		PAR S/N		O2 Temp Sensor No.		REMARKS		MAX DEPTH =		m																											
PRESS SN		SBE43 SN		SBE43-Oxy (sec)		Transducer		PAR S/N		O2 Temp Sensor No.																																			
SEC TEMP SN		PAR S/N		O2 Temp Sensor No.																																									
SEC COND SN																																													
No.		DEPTH		Roset.		Hydro Team-FMEL		Wetgauge		Gedimeter		Masha		Sambrotto		Harvey		Moran/		DIC		Shull		Sherr		Pat		Karin		No.															
No.		DEPTH		Roset.		Hydro Team-FMEL		Wetgauge		Gedimeter		Masha		Sambrotto		Harvey		Moran/		DIC		Shull		Sherr		Pat		Karin		No.															
DESRED		notes		SALT		NLTS		O2-BI.No		O2 Temp		CHL		Frac CHL		O18		Cooper		015N		O2/Air		N		Prod		DON		Lessard		Lomas		ALK		Radon		Sherr		Pat		Karin		No.	
1		38				144		144		5		11		-																															
2		30				A/12		145		4		10		-																															
3		20				A/13		146		3		9		-																															
4		10						147		2		8		-																															
5		0						148		1		7		-																															
6																																													
7																																													
8																																													
9																																													
10																																													
11																																													
12																																													

ICE LOG: Surface Ice Conditions or proximity to ice edge

Rosette Notes:

1/0

VESSEL USCG Healy		CRUISE ID H10802		PROJECT & LEG BEST/BSIERP_Spring08		Ship Designation (I.D.) 1H0802		STATION NO. 50																																							
CONSC CAST #		LATITUDE		LONGITUDE		TIME (GMT)		DRY BULB		WET BULB		PRESSURE		SEA STATE		VISIBILITY		WIND DIRN.		WIND SPD.		CLOUD (amt)		WEATHER		BOTTOM DEPTH		STA. NAME/ID																			
DEG		MIN		DEG		MIN		DAY		MO		YR		HR		MIN		(°C)		(°C)		(mb)		.		(deg)		(kts)		(m)																	
07		46		16		28		16		14		APR		08		09		11		11		45		.		354		6		35		SL-2															
SBE 9+ _____ FLUOR S/N _____ PRESS SN _____ SBE43-Oxy (prime) _____ PBI TEMP SN _____ SBE43-Oxy (sec) _____ SEC TEMP SN _____ Transmissometer _____ PBI COND SN _____ PAR S/N _____ SEC COND SN _____ 02 Temp Sensor No. _____																																															
REMARKS MAX DEPTH = _____ m																																															
NIS		DEPTH		Roset.		Hydro Team-PMEL		18		Weingartner		Gebhardt		Masna		Sambrotto		Harvey		Moran/		DIC		Shull		Sherr		Pat		Karin		NIS															
No.		DESIGNED		notes		SALT		NUTS		02-Bt No		02 Temp		CHL		Frac CHL		018		Cooper		015N		02/Ar		N		Prod		DON		Lessard		Lomas		ALK		Radon		Sherr		Pat		Karin		NIS	
1		bot		30				149		146		161		4		10		161																										1			
2		20		A/14		150						3		9																												2					
3		15																																						3							
4		15		A/15																																				2							
5		15																																						9							
6		10		A/16		1		162		2		8		162																										6							
7		0																																						7							
8		0						2		163		1		7		163																								8							
9																																								3							
10																																								2							
11																																								3							
12																																								12							

ICE LOG: Surface ice Conditions or proximity to ice edge

Rosette Notes:

VESSEL USCG Healy		CRUISE ID H10802		PROJECT & LEG BEST/BSERP_Spring08		Ship Designation (I.D.) H0802		STATION NO. 51																																							
CONSC CAST #		LATITUDE		LONGITUDE		TIME (GMT)		DRY BULB		WET BULB		PRESSURE		SEA STATE		VISIBILITY		WIND DIRN.		WIND SPD.		CLOUD (amt)		WEATHER		BOTTOM DEPTH		STA. NAME/ID																			
47861		43.17 N		16749.92 W		14 APR 08		1309-14.9				47		318		13										230		SL1																			
DEG		MIN		DEG		MIN		DAY		MO		YR		HR		MIN		(°C)		(°C)		(mb)		+		+		(deg)		(kts)		+		+		(m)											
SBE 9+				FLUOR S/N																																											
PRESS SN				SBE43-Oxy (prime)																																											
PPI TEMP SN				SBE43-Oxy (sec)																																											
SEC TEMP SN				Transducer																																											
PPI COND SN				PAR S/N																																											
SEC COND SN				O2 Temp Sensor No.																																											
NIS		DEPTH		Roset.		Hydro Team-PMEL		Weingartner		Grebnier		Masha		Sambrotto		Harvey		Moran/		DIC		Shul		Sherr		Pat		Karin		NIS																	
No.		DESIRED		notes		SALT		NUTS		O2-BU.No		O2 Temp		CHL.		Frac CHL.		O18		Cooper		015N		O2/Ar		N		Prod		DON		Lessor		Lomas		ALK		Radon									
1		24						3		45				4		10		164				V																									
2		20						4						3		9						V																									
3		10						5		166				2		8		165				V																									
4		8						6		166				1		7		166				V																									
5																																															
6																																															
7																																															
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11																																															
12																																															

ICE LOG: Surface Ice Conditions or proximity to ice edge

Rosette Notes:

VESSEL		CRUISE ID		PROJECT & LEG		Ship Designation (I.D.)		STATION NO.														
USCG Healy		H10802		BEST/BSERP_Spring08		H10802		52														
CONSC CAST #	LATITUDE		LONGITUDE		TIME (GMT)		DRY BULB	WET BULB	PRESSURE	SEA STATE	VISIBILITY	WIND DIRN.	WIND SPD.	CLOUD (amt)	WEATHER	BOTTOM DEPTH	STA. NAME/ID					
0796035	DEG	MIN	DEG	MIN	DAY	MO	YR	HR	MIN	(°C)	(°C)	(mb)	(deg)	(kts)	*	(m)	27 WOI					
SBE 9+ _____ FLUOR S/N _____ PRESS SN _____ SBE43-Oxy (prime) _____ PRI TEMP SN _____ SBE43-Oxy (sec) _____ SEC TEMP SN _____ Transducer _____ PRI COND SN _____ PAR S/N _____ SEC COND SN _____ O2 Temp Sensor No. _____																						
REMARKS <i>Start w line</i> _____ _____ _____																						
NS	DEPTH	Roset	Hydro Team-PWEL	Wingardner	Grobmeier	Mashta	Sambrotto	Harvey	Moran	DIC	Snell	Sherr	Pat	Katrin	NS							
No.	DESIRED	notes	SALT	NUTS	O2-Btl.No	O2 Temp	CHL.	Frac CHL.	O18	Cooper	015N	O2/Air	N	Prod	DON	Lessard	Lomas	ALK	Radon	Th	No.	
1	—																				1	
2	24	✓		7	162 205		4	10	169						✓		86				✓	2
3	20	✓		8			13	9	170						✓		85				3	
4	10	✓		9			2	8	171						✓		84				✓	2
5	0	✓		10			1	7	172						✓		83				3	
6																					2	
7																					3	
8																					2	
9																					3	
10																					2	
11																					3	
12																					12	

ICE LOG: Surface Ice Conditions or proximity to ice edge

Rosette Notes:

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VESSEL USCG Healy		CRUISE ID H10802		PROJECT & LEG BEST/BSERP_Spring08		Ship Designation (I.D.) H0802		STATION NO. S3										
CONSC CAST #	LATITUDE		LONGITUDE		TIME (GMT)		DRY BULB	WET BULB	PRESSURE	SEA STATE	VISIBILITY	WIND DIRN.	WIND SPD.	CLOUD (amt)	TYPE	WEATHER	BOTTOM DEPTH	STA. NAME/I/D
080	60	29.95 N	167	57.48 W	15	APR 08	0707-13.1	15	15	020	20	30	W2					
SBE 9+ _____ FLUOR S/N _____ PRESS SN _____ SBE43-Oxy (prime) _____ PRI TEMP SN _____ SBE43-Oxy (sec) _____ SEC TEMP SN _____ Transmissometer _____ PRI COND SN _____ PAR S/N _____ SEC COND SN _____ O2 Temp Sensor No. _____																		
REMARKS																		
MAX. DEPTH = _____ m																		
NIS	DEPTH	Roset.	Hydro Team-FMEL		Wainwright	Credemier	Masha	Sambrotto	Harvey	Moran/	DIC	Snell	Sherr	Pat	Karin	NIS		
No.	DESIRED	notes	SALT	NUTS	O2-BL No	O2 Temp	CHL.	Frac CHL.	O18	Cooper	M15N	O2/Air	N Prod	DON	Lessard	Lomas	ALK	Radon
1	25	✓	A/17	11	113	173	4											
2	20	✓	4/18	12	182		13											
3	10	✓	4/19	13		174	2											
4	0	✓		14		175	1											
5																		
6																		
7																		
8																		
9																		
10																		
11																		
12																		

ICE LOG: Surface Ice Conditions or proximity to ice edge

Rosette Notes:

VESSEL USCG Healy		CRUISE ID H10802		PROJECT & LEG BEST/BSERP_Spring'08		Shp Designation (I.D.) H10802		STATION NO. 541										
CONSC CAST #	LATITUDE		LONGITUDE		TIME (GMT)		DRY BULB	WET BULB	PRESSURE	SEA STATE	VISIBILITY	WIND DIRN.	WIND SPD.	CLOUD (amt)	TYPE	WEATHER	BOTTOM DEPTH	STA. NAME/ID
0816023.	DEG	MIN	DEG	MIN	DAY	MO	YR	HR	MIN	(°C)	(°C)	(mb)	(deg)	(kts)	*	*	(m)	WB
					15	APR	08	14	06	-17.5	.	20	347	16				
REMARKS: <i>The max - at bottom, only slightly larger</i>																		
MAX DEPTH = _____ m																		
SBE 9+ _____ PRESS SN _____ PRI TEMP SN _____ SEC TEMP SN _____ PRI COND SN _____ SEC COND SN _____ O2 Trip Sensor No. _____																		
FLUOR S/N _____ SBE43-Oxy (pome) _____ SBE43-Oxy (sec) _____ Transducer _____ PAR S/N _____																		
O2 Trip Sensor No. _____																		
Hydro Team-PWEL																		
Weingartner Grabmeier Masina Sambrotto Harvey Moran/ DIC Shull Sherr Pat Katrin NS																		
No DESRED notes SALT NLTS O2-BULB O2 Temp CHL. Frac CHL. O18 Cooper M1SN O2/Air N Prod DON Lessard Lomas ALK Radon Th																		
1	305	38.5	140	15	-168	6	107	176										1
2	20		121	-16		5	98	177										2
3	10		122	-17		4	89	178										3
4	0			-19		1	712	-179										2
5																		3
6																		2
7																		3
8																		2
9																		3
10																		2
11																		3
12																		12

ICE LOG: Surface Ice Conditions or proximity to ice edge

Rosette Notes:

VESSEL		CRUISE ID		PROJECT & LEG		Ship Designation (I.D.)		STATION NO.																			
USCG Healy		H10802		BEST/BSERP_Spring'08		H10802		57																			
CONSC CAST #	DEG	LATITUDE		DEG	LONGITUDE		MIN	DAY	MO	YR	HR	MIN	TIME (GMT)	DRY BULB	WET BULB	PRESSURE	SEA STATE	VISIBILITY	WIND DIRN.	WIND SPD.	CLOUD (amt)	TYPE	WEATHER	BOTTOM DEPTH	STA. NAME/ID		
084	60	05.26 N		17	02		26	10	W	16	A	P	R	08	03	47	-8.4	.	.	250	16	.	.	.	63	W	6
SBE 9+		FLUOR S/N		REMARKS																							
PRESS SN		SBE43-Oxy (prime)		MAX DEPTH =																							
PRT TEMP SN		SBE43-Oxy (sec)																									
SEC TEMP SN		Transmissometer																									
PRT COND SN		PAR S/N																									
SEC COND SN		O2 Temp Sensor No.																									
NS	DEPTH	Roset.	Hydro Team-PMEL	Wiegarter	Gedmeier	Masha	Sambrotto	Harvey	Moran/	DIC	Shull	Sherr	Pat	Katrin	NS												
No	DESIRED	notes	SALT	NUTS	O2-Btl No	O2 Temp	CHL	Frac CHL	018	Cooper	015N	O2/Air	N	Prod	DON	Lessard	Lomas	ALK	Radon							No	
1	59	✓	A/23	30	187		6		191																	1	
2	50	✓	A/24	31					192																	2	
3	40	✓		32			5		193																	3	
4	30	✓		33			4		194																	2	
5	20	✓		34			13		195																	3	
6	10	✓		35			2		196																	2	
7	0			36			1		197																	3	
8																										2	
9																										3	
10																										2	
11																										3	
12																										12	

ICE LOG: Surface Ice Conditions or proximity to ice edge

Rosette Notes:

VESSEL USCG Healy		CRUISE ID H10802		PROJECT & LEG BEST/BSERP Spring 08		Ship Designation (I.D.) H10802		STATION NO. 58										
CONSC CAST #	LATITUDE		LONGITUDE		TIME (GMT)		DRY BULB	WET BULB	PRESSURE	SEA STATE	VISIBILITY	WIND DIRN.	WIND SPD.	CLOUD (amt)	WEATHER	BOTTOM DEPTH	STA. NAME/ID	
085	DEG	MIN	DEG	MIN	DAY	MO	YR	HR	MIN	(°C)	(°C)	(mb)	*	(deg)	(kts)	*	(m)	WT
6050.00			171	03.48	W	16	A	P	R	08	0759-4.8			30			23816	
REMARKS No chl mwr																		
MAX DEPTH = m																		
SEC 9+ FLUOR S/N PRESS SN PRI TEMP SN SEC TEMP SN PRI COND SN SEC COND SN																		
02 Temp Sensor No.																		
Hydro Team-PHEL																		
Roset.																		
No. DESIRED notes SALT NUTS 02-BI/NO 02 Temp CHL. Frac CHL. Wigganter Grebnerier Masfira Sambrotto Harvey Lissard Moran/ Lomas ALK Radon Sherr Pat Katrina No.																		
1	65	-	0/1	37	20%													1
2	58	-		38														2
3	40	-		39														3
4	38	-		46														2
5	26	-		41														3
6	19	-	D/a	42	208													2
7	10	-		43														3
8	0	-		44														2
9		-																3
10		-																2
11		-																3
12		-																12

ICE LOG: Surface Ice Conditions or proximity to ice edge

Rosette Notes:

Slow going
Straight up, down

Alternating leads & heavy (6-8" thick) ice

VESSEL USCG Healy		CRUISE ID H10802		PROJECT & LEG BEST/BSIERP_Spring'08		Ship Designation (I.D.) H10802		STATION NO. 59											
CONSC CAST #	LATITUDE		LONGITUDE		TIME (GMT)	DRY BULB	WET BULB	PRESSURE	SEA STATE	VISIBILITY	WIND DIRN.	WIND SPD.	CLOUD (amt)	WEATHER	BOTTOM DEPTH	STA. NAME/ID			
DEG	MIN	DEG	MIN	DAY	MO	YR	HR	MIN	(°C)	(°C)	(mb)	*	(deg)	(kts)	*	(m)			
0865953	21	N	171117	89	W	16	A	P	08	1106-2.3	28	*	230	24	*	74	W7.5		
SBE 9+ _____ FLUOR S/N _____ PRESS SN _____ SBE43-Oxy (prime) _____ PRI TEMP SN _____ SBE43-Oxy (sec) _____ SEC TEMP SN _____ Transducer _____ PRI COND SN _____ PAR S/N _____ SEC COND SN _____ O2 Trip Sensor No. _____																			
REMARKS																			
MAX DEPTH = _____ m																			
NO	DEPTH	ROSET	HYDRO TEAM-PMEL	O2-BI/NO	O2 Temp	CHL	Frac CHL	Wingartner	Grebner	Mascha	Sambrotto	Harvey	Moran/	DIC	Shull	Sherr	Pat	Katrin	NS
1	601	67	45	1046				205											1
2	60		49	81				206											2
3	50		47	82				207											3
4	40		43	83				208											4
5	30		41	84				209											5
6	20		44	85				210											6
7	10		45																7
8	10																		8
9	10																		9
10	10																		10
11	0																		11
12																			12

ICE LOG: Surface Ice Conditions or proximity to ice edge

Rosette Notes:

VESSEL USCG Healy		CRUISE ID H10802		PROJECT & LEG BEST/BSIERP Spring'08		Ship Designation (I.D.) H10802		STATION NO. 59															
CONSC CAST #	LATITUDE		LONGITUDE		TIME (GMT)		DRY BULB	WET BULB	PRESSURE	SEA STATE	VISIBILITY	WIND DIRN.	WIND SPD.	CLOUD (amt)	WEATHER	BOTTOM DEPTH	STA. NAME/ID						
DEG	MIN		DEG	MIN	DAY	MO	YR	HR	MIN	(°C)	(°C)	(mb)	+	+	+	+	(m)						
088	59	54	N	71	12	25	W	16	A	P	R	0	8	15	28	-	1.0	26	26	117	74	W	7.5
REMARKS PROD CAST MAX DEPTH = m																							
SBE 9+ _____ FLUOR S/N _____ PRESS SN _____ SBE43-Oxy (prime) _____ PRI TEMP SN _____ SBE43-Oxy (sec) _____ SEC TEMP SN _____ Transmissometer _____ PRI COND SN _____ PAR S/N _____ SEC COND SN _____ O2 Temp Sensor No. _____																							
NO	DEPTH	Roset.	Hydro Team	PWEL	Wellgarnier	Grebmeier	Masha	Sambrotto	Harvey	Lessard	Moran/	DIC	Shul	Sherr	Pat	Katrin	NIS						
DESIRED	NOTES	SALT	NUTS	O2-Btl/No	O2 Temp	CHL	Frac CHL	O18	Cooper	blSN	O2/Air	N	Prod	DON	Lomas	ALK	Radon						
1	80168																						
2	26																						
3	17																						
4	13																						
5	10																						
6	7																						
7	3																						
8	1																						
9	0.5																						
10																							
11																							
12																							

ICE LOG: Surface Ice Conditions or proximity to ice edge

Rosette Notes:

VESSEL USCG Healy		CRUISE ID H10802		PROJECT & LEG BEST/BSIERP_Spring'08		Ship Designation (I.D.) H10802		STATION NO. 59																											
CONSC CAST #		LATITUDE		LONGITUDE		TIME (GMT)		DRY BULB		WET BULB		PRESSURE		SEA STATE		VISIBILITY		WIND DIRN.		WIND SPD.		CLOUD (amt)		WEATHER		BOTTOM DEPTH		STA. NAME/ID							
089.59		52.26 N		171.08.92 W		16 APR 08		2122		0.3		.28		*		*		260		17		*		*		171		7.5							
DEG		MIN		DEG		MIN		DAY		MO		YR		HR		MIN		(°C)		(°C)		(mb)		*		(deg)		(kts)		*		*		(m)	
SBE 9+				FLUOR S/N																															
PRESS SN				SBE43-Oxy (prime)																															
PRI TEMP SN				SBE43-Oxy (sec)																															
SEC TEMP SN				Transmissometer																															
PRI COND SN				PAR S/N																															
SEC COND SN				O2 Temp Sensor No.																															
No.		DEPTH		Roset.		Hydro Team-PMEL		Weingartner		Grebner		Masha		Sambrotto		Harvey		Moran/		DIC		Snull		Sherr		Pat		Katrin		No.					
1		66		✓																		✓								1					
2		60		✓																		✓								2					
3		50		✓																		✓								3					
4		40		✓																		✓								4					
5		30		✓																		✓								5					
6		20		✓																		✓								6					
7		10		✓																		✓								7					
8		8										✓																		8					
9		0																				5.6		✓						9					
10																														10					
11																														11					
12																														12					

ICE LOG: Surface Ice Conditions or proximity to ice edge

Rosette Notes:

VESSEL USCG Healy		CRUISE ID H10802		PROJECT & LEG BEST/BSIERP_Spring'08		Ship Designation (I.D.) 1H0802		STATION NO. 60																															
CONSC CAST #		LATITUDE		LONGITUDE		TIME (GMT)		DRY BULB		WET BULB		PRESSURE		SEA STATE		VISIBILITY		WIND DIRN.		WIND SPD.		CLOUD (amt)		WEATHER		BOTTOM DEPTH		STA. NAME/ID											
0905928.15 N		17245.83 W		17 APR 08		0945		0.2		.		24		*		21		29		*		*		93		E21													
DEG MIN		DEG MIN		DAY MO YR		HR MIN		(°C)		(°C)		(mb)		*		(deg)		(kts)		*		*		(m)															
SBE 9+		FLUOR S/N		SBE 43-Oxy (prime)		SBE 43-Oxy (sec)		Transmissometer		PAR S/N		O2 Temp Sensor No.		REMARKS		MAX. DEPTH =		m																					
PRESS SN		SBE 43-Oxy (prime)		SBE 43-Oxy (sec)		Transmissometer		PAR S/N		O2 Temp Sensor No.		REMARKS		MAX. DEPTH =		m																							
PRI TEMP SN		SBE 43-Oxy (prime)		SBE 43-Oxy (sec)		Transmissometer		PAR S/N		O2 Temp Sensor No.		REMARKS		MAX. DEPTH =		m																							
SEC TEMP SN		SBE 43-Oxy (prime)		SBE 43-Oxy (sec)		Transmissometer		PAR S/N		O2 Temp Sensor No.		REMARKS		MAX. DEPTH =		m																							
PRI COND SN		SBE 43-Oxy (prime)		SBE 43-Oxy (sec)		Transmissometer		PAR S/N		O2 Temp Sensor No.		REMARKS		MAX. DEPTH =		m																							
SEC COND SN		SBE 43-Oxy (prime)		SBE 43-Oxy (sec)		Transmissometer		PAR S/N		O2 Temp Sensor No.		REMARKS		MAX. DEPTH =		m																							
NIS		Roset.		Hydro Team-PMEL		Weingartner		Grebenmeter		Masfa		Sambrotto		Harvey		Moran/		DIC		Shull		Sherr		Pat		Katrin													
No.		DESIRIED		SALT		NUTS		O2-Btl/No		O2 Temp		CHL.		Frac CHL.		O18		Cooper		b15N		O2/Ar		N		Prod		DON		Lessard		Lomas		ALK		Radon		No.	
1		BOT		D/12		58		161x								215																				1			
2		75		D/13		59										216																		2					
3		60				60										217																		3					
4		45				61										218																		4					
5		70				62										219																		5					
6		30				63										220																		6					
7		20		D/14																														7					
8		20																																8					
9		20																																9					
10		20				64										221																		10					
11		10				65										222																		11					
12		0				66		165				1				223																		12					

ICE LOG: Surface Ice Conditions or proximity to ice edge

Rosette Notes:

Sticky neapouts for O₂ - checked by Calvin

Soaking sensors for 3 minutes
O₂ duct (in wet) seen in earlier shallow casts
Thermocline 48-54 m

VESSEL USCGC Healy		CRUISE ID H10802		PROJECT & LEG BEST/BSIERP_Spring'08		Ship Designation (I.D.) 110802		STATION NO. 61																																			
CONSC CAST #		LATITUDE		LONGITUDE		TIME (GMT)		DRY BULB		WET BULB		PRESSURE		SEA STATE		VISIBILITY		WIND DIRN.		WIND SPD.		CLOUD (amt)		TYPE		WEATHER		BOTTOM DEPTH		STA. NAME/ID													
0415804.05 N		17256.15 W		17 APR 08		2221-0.1		24		18028		1105T Rm 1																															
DEG		MIN		DEG		MIN		DAY		MO		YR		HR		MIN		(°C)		(°C)		(mb)		*		*		(deg)		(kts)		*		*		(m)							
SBE 9+				FLUOR S/N																																							
PRESS SN				SBE43-Oxy (prime)																																							
PRI_TEMP SN				SBE43-Oxy (sec)																																							
SEC_TEMP SN				Transmissometer																																							
PRI_COND SN				PAR S/N																																							
SEC_COND SN				O2 Temp Sensor No.																																							
NIS		Roset.		Hydro Team-PMEL		Weingartner		Grebnier		Masha		Sambrotto		Harvey		Moran/		DIC		Shull		Sherr		Pat		Katrin		NIS															
No.		DESIRED		notes		SALT		NUTS		O2-Bt/No		O2 Temp		CHL.		Frac CHL.		018		Cooper		b15N		O2/Air		N		Prod		DON		Lessard		Lomas		ALK		Radon		Th		No.	
1		105				67		058																																1			
2		75		D/15		68																																2					
3		60		D/16		69								6		12																				3							
4		50				70								5		11																				4							
5		40				71								4		10																				5							
6		30		D/17		72								3		9																				6							
7		10				73								2		8																				7							
8		0				74		293						1		7																				8							
9																																				9							
10																																				10							
11																																				11							
12																																				12							

ICE LOG: Surface Ice Conditions or proximity to ice edge

Rosette Notes:

VESSEL USCG Healy		CRUISE ID H10802		PROJECT & LEG BEST/BSIERP_Spring08		Ship Designation (I.D.) 1H0802		STATION NO. 62																													
CONSC CAST #		LATITUDE		LONGITUDE		TIME (GMT)		DRY BULB		WET BULB		PRESSURE		SEA STATE		VISIBILITY		WIND DIRN.		WIND SPD.		CLOUD (amt)		TYPE		WEATHER		BOTTOM DEPTH		STA. NAME/ID							
0925754.44 N		16914.12 W		18 APR 08		1047		22-0.3		25		17326		69 m																							
DEG		MIN		DEG		MIN		DAY		MO		YR		HR		MIN		°C		°C		(mb)		*		*		(deg)		(kts)		*		*		(m)	
SBE 9+				FLUOR S/N																																	
PRESS SN				SBE43-Oxy (prime)																																	
PRI TEMP SN				SBE43-Oxy (sec)																																	
SEC TEMP SN				Transmissometer																																	
PRI COND SN				PAR S/N																																	
SEC COND SN				O2 Temp Sensor No.																																	

REMARKS		RADON / LESSARD	
MAX. DEPTH =		m	

NIS		DEPTH		Roset.		Hydro Team-PMEL		Weingartner		Grebmeier		Mascha		Sambrotto		Harvey		Moran/		DIC		Shull		Sherr		Pat		Katrin		NIS																	
No.		DESIRED		notes		SALT		NUTS		O2-Btl/No		O2 Temp		CHL.		Frac CHL.		018		Cooper		b15N		O2/Ar		N		Prod		DON		Lessard		Lomas		ALK		Radon		Sherr		Pat		Katrin		No.	
1		607		✓		62		6/18																																							
2		56		✓																																											
3		48		✓																																											
4		40		✓																																											
5		32		✓				6/19																																							
6		24		✓																																											
7		20		✓																																											
8		20		✓																																											
9		20		✓																																											
10		16		✓																																											
11		8		✓				6/20																																							
12		8		✓																																											

Rosette Notes:

ICE LOG: Surface Ice Conditions or proximity to ice edge

across ice clumps, mostly open

0, 8, 16, 24, 32, 40, 48, 56, 62

VESSEL USCG Healy		CRUISE ID H10802		PROJECT & LEG BEST/BSIERP_Spring'08		Ship Designation (I.D.) H10802		STATION NO.																																									
CONSC CAST #		LATITUDE		LONGITUDE		TIME (GMT)		DRY BULB		WET BULB		PRESSURE		SEA STATE		VISIBILITY		WIND DIRN.		WIND SPD.		CLOUD (amt)		WEATHER		BOTTOM DEPTH		STA. NAME/ID																					
DEG		MIN		DEG		MIN		DAY		MO		YR		HR		MIN		(°C)		(°C)		(mb)		• •		(deg)		(kts)		• • •		(m)																	
69		45		54		86		N		16		9		13		37		W		18		A		P		R		08		14		04		0.1		.		24		18		22		7		N/P		7	
SBE 9+				FLUOR S/N																																													
PRESS SN				SBE-43-Oxy (prime)																																													
PRI TEMP SN				SBE-43-Oxy (sec)																																													
SEC TEMP SN				Transmissometer																																													
PRI COND SN				PAR S/N																																													
SEC COND SN				O2 Temp Sensor No.																																													
No		DEPTH		Roset.		Hydro Team-PMEL		Weingartner		Grebeiner		Mascha		Sanbroto		Harvey		Moran/		DIC		Shull		Sherr		Pat		Katrin		No		No		No		No													
DESIR		notes		SALT		NUTS		O2-Btl		No		O2 Temp		CHL		Frac CHL		018		Cooper		0.15N		O2/Ar		N		Prod		DON		Lessard		Lomas		ALK		Radon		Th		No							
1		62		224		82																																											
2		20				83																																											
3		20		F1.																																													
4		25																																															
5		10																																															
6		10																																															
7		10				84																																											
8		10																																															
9		10																																															
10		10																																															
11		10				85																																											
12		10		F2																																													

ICE LOG: Surface Ice Conditions or proximity to ice edge

Rosette Notes:

VESSEL USCG Healy		CRUISE ID H10802		PROJECT & LEG BEST/BSERP Spring'08		Ship Designation (I.D.) H10802		STATION NO. 62												
CONSC CAST #	LATITUDE		LONGITUDE		TIME (GMT)		DRY BULB	WET BULB	PRESSURE	SEA STATE	VISIBILITY	WIND DIRN.	WIND SPD.	CLOUD (amt)	WEATHER	BOTTOM DEPTH	STA. NAME/ID			
095	57° 54' . 05" N	169° 09' . 85" W	18 APR 08	1542+0.1	RY	185R	4									70	MPZ			
DEG	MIN	DEG	MIN	DAY	MO	YR	HR	MIN	(°C)	(°C)	(mb)	*	(deg)	(kts)	*	*	(m)			
REMARKS PRSD CAST All met at bottom																				
SEC 9+ PRESS SN	FLUOR S/N		SBE43-Oxy (prime)		SBE43-Oxy (sec)		Transmissometer		PAR S/N		O2 Temp Sensor No.		MAX DEPTH =		m					
PRI TEMP SN	SBE43-Oxy (prime)		SBE43-Oxy (sec)		Transmissometer		PAR S/N		O2 Temp Sensor No.		MAX DEPTH =		m							
SEC TEMP SN	SBE43-Oxy (prime)		SBE43-Oxy (sec)		Transmissometer		PAR S/N		O2 Temp Sensor No.		MAX DEPTH =		m							
PRI COND SN	SBE43-Oxy (prime)		SBE43-Oxy (sec)		Transmissometer		PAR S/N		O2 Temp Sensor No.		MAX DEPTH =		m							
SEC COND SN	SBE43-Oxy (prime)		SBE43-Oxy (sec)		Transmissometer		PAR S/N		O2 Temp Sensor No.		MAX DEPTH =		m							
NIS	DEPTH	Roset.	Hydro Team-PWEL	Wellgartner	Gredmeier	Masha	Sambrotto	Harvey	Moran/	DIC	Shul	Sherr	Pat	Katrin	NIS					
No	DESIRED	notes	SALT	NUTS	O2-Btl/No	O2 Temp	CHL	Frac CHL	018	Cooper	015N	O2/Air	N	Prod	DON	Lessard	Lomas	ALK	Radon	No
1	BOT 62																			1
2	46	F/3																		2
3	30 (31)																			3
4	24																			4
5	18	F/4																		5
6	12																			6
7	6	F/5																		7
8	0																			8
9																				9
10																				10
11																				11
12																				12

ICE LOG: Surface Ice Conditions or proximity to ice edge

Rosette Notes:

floating ice chunks -

VESSEL USCG Healy		CRUISE ID H10802		PROJECT & LEG BEST/BSERP_Spring'08		Ship Designation (I.D.) H10802		STATION NO. 64																																			
CONSC CAST #		LATITUDE		LONGITUDE		TIME (GMT)		DRY BULB		WET BULB		PRESSURE		SEA STATE		VISIBILITY		WIND DIRL		WIND SPD		CLOUD (amt)		TYPE		WEATHER		BOTTOM DEPTH		STA. NAME/ID													
0975835.40 N		16825.29 W		19 A P R 08		0642-0.6		22		14818		55W194																															
DEG		MIN		DEG		MIN		DAY		MO		YR		HR		MIN		°C		°C		(mb)		*		*		(deg)		(kts)		+		+		+		(m)					
SBE 9+				FLUOR S/N																																							
PRESS SN				SBE 43-Oxy (prime)																																							
PRI TEMP SN				SBE 43-Oxy (sec)																																							
SEC TEMP SN				Transmissometer																																							
PRI COND SN				PAR S/N																																							
SEC COND SN				O2 Temp Sensor No.																																							
NIS		Roset.		Hydro Team-PMEL				Weingartner		Grebnier		Masla		Sambrotto		Harvey		Moran/		DIC		Shul		Sherr		Pat		Karin		NIS													
No		DESIRIED		notes		SALT		NUTS		O2-Bt/No		O2 Temp		CHL		Frac CHL		018		Cooper		015N		O2/Air		N		Prod		DON		Lessard		Lomas		ALK		Radon		Th		No	
1		53				91		171				6		12																													
2		40				92						5		11																													
3		30				93						4		10																													
4		20				94						3		9																													
5		10				95						2		8																													
6		0				96		196				1		7																													
7																																											
8																																											
9																																											
10																																											
11																																											
12																																											

ICE LOG: Surface Ice Conditions or proximity to ice edge

Rosette Notes:

VESSEL		CRUISE ID		PROJECT & LEG		Ship Designation (I.D.)		STATION NO.															
USCG Healy		H10802		BEST/BSIERP_Spring'08		H10802		65															
CONSC	LATITUDE	LONGITUDE		TIME (GMT)	DRY BULB	WET BULB	PRESSURE	SEA STATE	VISIBILITY	WIND DIRN.	WIND SPD.	CLOUD (amt)	WEATHER	BOTTOM DEPTH	STA. NAME/ID								
CAST #	DEG MIN	DEG MIN	DEG MIN	DAY	MO	YR	HR	MIN	(°C)	(°C)	(mb)	+	+	(deg)	(kts)	+	+	(m)					
098	58 21.96 N	168 42.25 W		19	A	P	R	0	8	58	55	-	0.6		24			137	16	68 N P 5			
REMARKS																							
SBE 9+ _____ FLUOR S/N _____																							
PRESS SN _____ SBE 43-Oxy (prime) _____																							
PRI TEMP SN _____ SBE 43-Oxy (sec) _____																							
SEC TEMP SN _____ Transmissometer _____																							
PRI COND SN _____ PAR S/N _____																							
SEC COND SN _____ O2 Temp Sensor No. _____																							
MAX DEPTH = _____ m																							
No	DEPTH	Roset.	Hydro Team-PNEL	Wiegarter	Grebeiner	Mashta	Sambrotto	Harvey	Moran/	DIC	Shull	Sherr	Pat	Karrin	No								
1	62	notes	SALT	NUTS	O2-Btl/No	O2 Temp	CHL.	Frac CHL.	018	Cooper	01SN	O2/Air	N	Prod	DON	Lessard	Lomas	ALK	Radon	Sherr	Pat	Karrin	No
2	50	✓		97	163		4		✓	233													1
3	40			99			5																2
4	30			100			4		✓	234													3
5	20			101	173		3																4
6	10			102			2																5
7	0			103			1		✓	235													6
8																							7
9																							8
10																							9
11																							10
12																							11

ICE LOG: Surface Ice Conditions or proximity to ice edge

Rosette Notes:

0 and 100m
(see box note)

VESSEL USCG Healy		CRUISE ID H10802		PROJECT & LEG BEST/BSIERP Spring'08		Ship Designation (I.D.) H10802		STATION NO. 66																															
CONSC CAST #		LATITUDE		LONGITUDE		TIME (GMT)		DRY BULB		WET BULB		PRESSURE		SEA STATE		VISIBILITY		WIND DIRN.		WIND SPD.		CLOUD (amt)		WEATHER		BOTTOM DEPTH		STA. NAME/ID											
4995808.81 N		16856.81 W		19 APR 08		1149-11.4		17		12816		M96																											
DEG		MIN		DEG		MIN		DAY		MO		YR		HR		MIN		(°C)		(°C)		(mb)		*		*		(deg)		(kts)		*		*		(m)			
SBE 9+		FLUOR S/N		SBE-43-Oxy (prime)		SBE-43-Oxy (sec)		Transmissometer		PAR S/N		O2 Temp Sensor No.																											
PRESS SN		SBE-43-Oxy (prime)		SBE-43-Oxy (sec)		Transmissometer		PAR S/N		O2 Temp Sensor No.																													
PRI TEMP SN		SBE-43-Oxy (prime)		SBE-43-Oxy (sec)		Transmissometer		PAR S/N		O2 Temp Sensor No.																													
SEC TEMP SN		SBE-43-Oxy (prime)		SBE-43-Oxy (sec)		Transmissometer		PAR S/N		O2 Temp Sensor No.																													
PRI COND SN		SBE-43-Oxy (prime)		SBE-43-Oxy (sec)		Transmissometer		PAR S/N		O2 Temp Sensor No.																													
SEC COND SN		SBE-43-Oxy (prime)		SBE-43-Oxy (sec)		Transmissometer		PAR S/N		O2 Temp Sensor No.																													
No.		DEPTH		Roset.		Hydro Team-PMEL		Weingartner		Grabmeier		Masina		Sambrotto		Harvey		Moran/		DIC		Shull		Sherr		Pat		Karin		Ms									
DESIGD		notes		SALT		NUTS		O2-Bt. No		O2 Temp		CHL		Frac CHL		O18		Cooper		015N		O2/Air		N		Prod		DON		Lessard		Lomas		ALK		Radon			
1		63		✓		104/1206		6		12		DN																											
2		50		✓		105		5		11		DN																											
3		46				106		4		10		DN																											
4		30				107		3		9		DN																											
5		20				108		2		8		DN																											
6		20				109		1		7		DN																											
7		20				110		208		1		7																											
8		10				110		208		1		7																											
9		0				110		208		1		7																											
10																																							
11																																							
12																																							

ICE LOG: Surface Ice Conditions or proximity to ice edge

Rosette Notes:

Check Mastin 7 foot yaks

VESSEL		CRUISE ID		PROJECT & LEG		Ship Designation (LD.)		STATION NO.												
USCG Healy		H10802		BEST/BSIERP_Spring'08		H10802		67												
CONSC	LATITUDE	LONGITUDE		TIME (GMT)		DRY BULB	WET BULB	PRESSURE	SEA STATE	VISIBILITY	WIND DIRN.	WIND SPD.	CLOUD (amt)	WEATHER	BOTTOM DEPTH	STA. NAME/ID				
CAST #	DEG MIN	DEG MIN	DAY MO YR	HR MIN	(°C)	(°C)	(mb)	*	*	(deg)	(kts)	*	*	(m)						
1445754	78 N	16912.51	W 19 APR 08	1439-1.1			14			115	16			69	NPZ					
SBE 9+	FLUOR S/N	REMARKS																		
PRESS SN	SBE 43-Oxy (prime)	CHL max at station																		
PRI TEMP SN	SBE 43-Oxy (sec)																			
SEC TEMP SN	Transducer																			
PRI COND SN	PAR S/N																			
SEC COND SN	O2 Temp Sensor No																			
NO	DEPTH	Roset.	Hydro Team-PMEL	Weingartner	Gronmeier	Masha	Sambrutto	Harvey	Moran/	DIC	Shull	Sherr	Pat	Katrin	NIS					
DESIRIED	notes	SALT	NUTS	O2-Bit No	O2 Temp	CHL	Frac CHL	018	Cooper	015N	O2/Air	N	Prod	DON	Lessard	Lomas	ALK	Radon		
1	63	280	111	1217		6		DN												
2	58		112																	
3	40	41	119			5		DN												
4	30	01	120			4		DN												
5	25		121			3														
6	18	22	122			2														
7	10																			
8	0		123	218		1		DN												
9																				
10																				
11																				
12																				

ICE LOG: Surface Ice Conditions or proximity to ice edge

Rosette Notes:

ice chunks (lots of small ones)

VESSEL USCG Healy		CRUISE ID H10802		PROJECT & LEG BEST/BSIERP_Spring'08		Ship Designation (I.D.) H10802		STATION NO. 68																																			
CONSC CAST #		LATITUDE		LONGITUDE		TIME (GMT)		DRY BULB		WET BULB		PRESSURE		SEA STATE		VISIBILITY		WIND DIRN.		WIND SPD.		CLOUD (amt)		TYPE		WEATHER		BOTTOM DEPTH		STA. NAME/ID													
10157		40.75 N		16929.47 W		19 APR 08		1749-0.8				12		1		10920														N88													
SBE 9+				FLUOR S/N																																							
PRESS SN				SBE 43-Oxy (prime)																																							
PRI TEMP SN				SBE 43-Oxy (sec)																																							
SEC TEMP SN				Transmissometer																																							
PRI COND SN				PAR S/N																																							
SEC COND SN				O2 Temp Sensor No.																																							
NIS		Roset.		Hydro Team PMEL		Weingartner		Grebenier		Mascha		Sambrotto		Harvey		Moran/		DIC		Shull		Sherr		Pat		Karin		NIS															
No.		DESIRIED		notes		SALT		NLTS		O2-Bt/No		O2 Temp		CHL		Frac CHL		018		Cooper		01SN		O2/Air		N		Prod		DON		Lessard		Lomas		ALK		Radon		Th		No.	
1		462		649		113		214		6		12																															
2		50		823		114				5		11																															
3		40				115				4		10																															
4		30				116				13		9																															
5		20		824		117				2		8																															
6		10				118				1		7																															
7		10																																									
8		0				124		216		1		7																															
9																																											
10																																											
11																																											
12																																											

ICE LOG: Surface Ice Conditions or proximity to ice edge

Rosette Notes:

VESSEL USCG Healy		CRUISE ID H10802		PROJECT & LEG BEST/BSIERP_Spring'08		Ship Designation (I.D.) H10802		STATION NO. 69								
CONSC CAST #	LATITUDE		LONGITUDE		TIME (GMT)	DRY BULB	WET BULB	PRESSURE	SEA STATE	VISIBILITY	WIND DIRL	WIND SPD.	CLOUD (amt)	WEATHER	BOTTOM DEPTH	STA. NAME/ID
10257	26.90	N	16945.54	W	19 APR 08	1932-0.4		09	*	*	(deg)	(kts)	*	*	(m)	NP9
SBE 9+ PRESS SN PRI TEMP SN SEC TEMP SN PRI COND SN SEC COND SN FLUOR S/N SBE-43-Oxy (prime) SBE-43-Oxy (sec) Transmittometer PAR S/N O2 Temp Sensor No.																
REMARKS																
MAX. DEPTH = m																
DES	DEPTH	Roset.	Hydro Team	PMEL	Wingartner	Gebhardt	Masfa	Sambrotto	Harvey	Moran/	DIC	Shull	Sheir	Pat	Katrin	NS
No	DESIRERD	notes	SALT	MUTS	O2-Btl No	O2 Temp	CHL	Frac CHL	018	Cooper	015N	O2/Air	N	Prod	DON	Lessard
1	64			125	219		6		236							
2	50			126			5		237							
3	40			127			4									
4	30			128			3									
5	20			129			2									
6	10			130			1									
7	0			131	220				238							
8																
9																
10																
11																
12																

ICE LOG: Surface Ice Conditions or proximity to ice edge

Rosette Notes:

VESSEL		CRUISE ID		PROJECT & LEG		Ship Designation (LD.)		STATION NO.							
USCG Healy		H10802		BEST/BSIERP_Spring08		1H0802		71							
CONSC	LATITUDE	LONGITUDE		TIME (GMT)	DRY BULB	WET BULB	PRESSURE	SEA STATE	VISIBILITY	WIND DIRN.	WIND SPD.	CLOUD (amt)	WEATHER	BOTTOM DEPTH	STA. NAME/ID
CAST #	DEG MIN	DEG MIN	DAY MO YR	HR MIN	(°C)	(°C)	(mb)	*	*	(deg)	(kts)	* + *	*	(m)	
1045658.47 N		17017.17 W	20 APR 08	0024-0.2			05			09015				74 N P 11	
SBE 9+ _____ FLUOR S/N _____ PRESS SN _____ SBE43-Oxy (prime) _____ PRI TEMP SN _____ SBE43-Oxy (sec) _____ SEC TEMP SN _____ Transmissometer _____ PRI COND SN _____ PAR S/N _____ SEC COND SN _____ O2 Temp Sensor No. _____															
REMARKS _____															
MAX. DEPTH = _____ m															
DES	DEPTH	Roset.	Hydro Team-PNEL	Weingartner	Gredmeier	Maslia	Sambrotto	Harvey	Moran/	DIC	Shull	Sherr	Pat	Katrin	Mis
No	DESIRED	notes	SALT	NUTS	O2-Btl/No	O2 Temp	CHL.	Frac CHL.	O18	Cooper	0.15N	O2/Air	N	Prod	DON
1	70	68		138	233	6			239						
2	60	✓		139											
3	50			140											
4	40			141		5									
5	30			142		4		240							
6	20			143		3									
7	10			144		2									
8	0			1	228	1		241							
9															
10															
11															
12															

ICE LOG: Surface Ice Conditions or proximity to ice edge

Rosette Notes:

VESSEL		CRUISE ID		PROJECT & LEG		Ship Designation (I.D.)		STATION NO.														
USCG Healy		H10802		BEST/BSERP_Spring'08		110802		73														
CONSC	DEG	LATITUDE		DEG	LONGITUDE		TIME (GMT)	DRY BULB	WET BULB	PRESSURE	SEA STATE	VISIBILITY	WIND DIRN.	WIND SPD.	CLOUD (amt)	WEATHER	BOTTOM DEPTH	STA. NAME/ID				
CAST #		MIN		MIN	DAY	MO	YR	HR	MIN	(°C)	(°C)	(mb)	*	(deg)	(Kts)	*	*	(m)				
1065631		58	N	17448.57	W	24	APR	08	0741	0.1		97		09222				121	NP13			
REMARKS																						
MAX DEPTH = m																						
SEC 9+	FLUOR S/N																					
PRESS SN	SEC43-Oxy (prime)																					
PRI TEMP SN	SEC43-Oxy (sec)																					
SEC TEMP SN	Transmissometer																					
PRI COND SN	PAR S/N																					
SEC COND SN	O2 Temp Sensor No.																					
MS	DEPTH	Roset.	Hydro Team-PWEL	Wellington	Gedremer	Masha	Sanbroto	Harvey	Moran/	DIC	Shul	Sher	Pat	Katrin	MS							
No	DESIRED	notes	SALT	NUTS	O2-Btl.No	O2 Temp	CHL	Frac CHL	O18	Cooper	δ15N	O2/Ar	N	Prod	DON	Lessard	Lomas	ALK	Radon	Th	No	
1	119			13	-234				249						✓						✓	1
2	100			14																		2
3	75			15																		3
4	60			16			6	12	243						✓							4
5	40			17			5	11														5
6	30			18			4	10														6
7	20			19			3	9							✓							7
8	15														✓							8
9	15														✓							9
10	15																					10
11	15			20			2	8							✓						✓	11
12	0			21	235		1	7	244						✓							12

ICE LOG: Surface Ice Conditions or proximity to ice edge

Rosette Notes: