

VESSEL USCG Healy		CRUISE ID H10802		PROJECT & LEG BEST/BSERP_Spring'08		Ship Designation (I.D.) H10802		STATION NO. 74																																	
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)		EL2			
187		5716.41		N		17618.89		W		21		APR		08		06		03		.		.		99		.		101		18		.		102		EL2					
SBE 9+				FLUOR S/N				REMARKS																																	
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.																																					
No.		DEPTH		Roset.		Hydro Team-FMEL		Wetgarnier		Grabmeier		Masha		Sambrotto		Harvey		Moran/		DIC		Shull		Sherr		Pat		Katr'n		No.											
DESIRE		notes		SALT		NUTS		O2-BTL No		O2 Temp		CHL		Frac CHL		O18		Cooper		015N		O2/Air		N		Prod		DON		Lessard		Lomas		ALK		Radon		Th			
1		100		A/1		1																																			
2		75		A/2		2								FC6-1a																											
3		60				3								FC5-11																											
4		50				4								FC5-11																											
5		40				5																																			
6		30		A/3		6								FC4-10																											
7		20				7								FC3-9																											
8		10				8								FC2-8																											
9		0				9								FC1-7																											
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.) 1H0802		STATION NO. 75																																	
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)					
108		57		44		.87		N		171		45		.31		W		21		A		P		R		08		1042		0.3		.01		0921		18		1053		H/S	
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.																																					
NIS		DEPTH		Roset.		Hydro Team-PMEL		Wingartner		Gedbreier		Masha		Sambrotto		Harvey		Moran/		DIC		Snul		Sherr		Pat		Katr'n		NIS											
No.		DESIRED		notes		SALT		NUTS		O2-BL No		O2 Temp		CHL		Frac CHL		O18		Cooper		015N		O2/Ar		N Prod		DON		Lessard		Lomas		ALK		Radon		Th		No.	
1		98		F/4																																				1	
2		90																																				2			
3		75																																				3			
4		60		F/5																																		4			
5		50																																				5			
6		40																																				6			
7		30		F/6																																		7			
8		20																																				8			
9		10																																				9			
10		0																																				10			
11																																						11			
12																																						12			

ICE LOG: Surface Ice Conditions or proximity to ice edge

Rosette Notes:

REMARKS
RADON

MAX. DEPTH = m

Beaker
Hot Spot

VESSEL USCG Healy		CRUISE ID H10802		PROJECT & LEG BEST/BSIERP_Spring'08		Ship Designation (I.D.) 1H0802		STATION NO. 75																																			
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															
1095751.14 N		17146.62 W		21 APR 08		1153		0.0		02		11718		104845																													
SBE 9+		FLUOR S/N		REMARKS																																							
PRESS SN		SBE43-Oxy (prime)																																									
PRT TEMP SN		SBE43-Oxy (sec)																																									
SEC TEMP SN		Transmissometer																																									
PRT COND SN		PAR S/N																																									
SEC COND SN		O2 Temp Sensor No.																																									
NIS		DEPTH		Roset.		Hydro Team-PYEL		Weingartner		Gebmeier		Mascha		Sambrotto		Harvey		Moran/		DIC		Shull		Sherr		Pat		Katrin															
No.		DESIRED		notes		SALT		NUTS		O2-BU No		O2 Temp		CHL		Frac CHL		O18		Cooper		B1SN		O2/Ar		N Prod		DON		Lessard		Lomas		ALK		Radon		Sherr		Pat		Katrin	
1		98		✓		10		✓		16		2.2		✓		6		✓		✓		✓		✓		✓		✓		✓		✓		✓		✓		✓		✓			
2		75		✓		F/7		11		✓		12		✓		5		✓		✓		✓		✓		✓		✓		✓		✓		✓		✓		✓		✓			
3		60		✓		F/7		12		✓		12		✓		6		✓		✓		✓		✓		✓		✓		✓		✓		✓		✓		✓		✓			
4		39		✓		✓		34		✓		34		✓		5		✓		✓		✓		✓		✓		✓		✓		✓		✓		✓		✓		✓			
5		30		✓		F/8		35		✓		35		✓		4		✓		✓		✓		✓		✓		✓		✓		✓		✓		✓		✓					
6		20		✓		F/8		36		✓		36		✓		3		✓		✓		✓		✓		✓		✓		✓		✓		✓		✓		✓					
7		10		✓		✓		37		✓		37		✓		2		✓		✓		✓		✓		✓		✓		✓		✓		✓		✓		✓					
8		10		✓		✓		✓		✓		✓		✓		✓		✓		✓		✓		✓		✓		✓		✓		✓		✓		✓		✓					
9		10		✓		F/9		✓		✓		✓		✓		✓		✓		✓		✓		✓		✓		✓		✓		✓		✓		✓		✓					
10		10		✓		✓		✓		✓		✓		✓		✓		✓		✓		✓		✓		✓		✓		✓		✓		✓		✓		✓					
11		0		✓		✓		38		✓		102		✓		1		✓		✓		✓		✓		✓		✓		✓		✓		✓		✓		✓					
12				✓		✓				✓				✓				✓		✓		✓		✓		✓		✓		✓		✓		✓		✓		✓					

ICE LOG: Surface Ice Conditions or proximity to ice edge

Rosette Notes:

VESSEL USCG Healy		CRUISE ID H10802		PROJECT & LEG BEST/BSIFP-Spring'08		Ship Designation (I.D.) 1H0802		STATION NO. 75																															
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									
111		5749.15 N		17139.90 W		21 APR 08		1529-0.2		.03		1072.2		1010851																									
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																																			
SEC COND SN				O2 Temp Sensor No.																																			
No		DEPTH		Roset.		Hydro Team-PNEL		Wingartner		Grabmeier		Mashe		Sambrotto		Harvey		Moran/		DIC		Shull		Sherr		Pat		Katr		No									
DESIRE		notes		SALT		NUTS		O2-BTL No		O2 Temp		CHL		Frac CHL		O18		Cooper		M15N		O2/Ar		N Prod		DON		Lessard		Lomas		ALK		Radon		Th			
1		29		284		B1																																	
2		19		✓		B2																																	
3		15		✓		B3																																	
4		11		10.5		B4																																	
5		8				B5																																	
6		4				B6																																	
7		0				B7																																	
8		0																																					
9																																							
10																																							
11																																							
12																																							

ICE LOG: Surface Ice Conditions or proximity to ice edge

Rosette Notes:

29, 19, 15, 11, 8, 4, 0, 0

VESSEL USCG Healy		CRUISE ID H10802		PROJECT & LEG BEST/BSIEP, Spring'08		Ship Designation (I.D.) 1H0802		STATION NO. 76																																			
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															
1125731.32 N		7517.21 W		22 APR 08		0900		1.6		.08		10315		3445		P14-4		3451		P14-4		3445		P14-4		3445		P14-4															
DEG MIN		DEG MIN		DAY MO YR		HR MIN		(°C)		(°C)		(mb)		• •		(deg)		(kts)		• • •		• • •		(m)																			
SBE 9+		FLUOR S/N		SBE43-Oxy (pH)		SBE43-Oxy (sec)		Transducer		PAR S/N		O2 Temp Sensor No.		REMARKS		MAX DEPTH = 3484 m																											
PRESS SN		SBE43-Oxy (pH)		SBE43-Oxy (sec)		Transducer		PAR S/N		O2 Temp Sensor No.		REMARKS		MAX DEPTH = 3484 m																													
PRI TEMP SN		SBE43-Oxy (pH)		SBE43-Oxy (sec)		Transducer		PAR S/N		O2 Temp Sensor No.		REMARKS		MAX DEPTH = 3484 m																													
SEC TEMP SN		SBE43-Oxy (pH)		SBE43-Oxy (sec)		Transducer		PAR S/N		O2 Temp Sensor No.		REMARKS		MAX DEPTH = 3484 m																													
PRI COND SN		SBE43-Oxy (pH)		SBE43-Oxy (sec)		Transducer		PAR S/N		O2 Temp Sensor No.		REMARKS		MAX DEPTH = 3484 m																													
SEC COND SN		SBE43-Oxy (pH)		SBE43-Oxy (sec)		Transducer		PAR S/N		O2 Temp Sensor No.		REMARKS		MAX DEPTH = 3484 m																													
NIS DEPTH		Roset.		Hydro Team-PNEL		Weingarten		Gebhardt		Mascha		Sambrotto		Harvey		Moran/		DIC		Shull		Sherr		Pat		Katrn		NIS															
No. DESIRED		notes		SALT		N/LTS		O2-BU/No		O2 Temp		CHL		Frac CHL		O18		Cooper		015N		O2/Ar		N Prod		DON		Lessard		Lomas		ALK		Radon		Sherr		Pat		Katrn		NIS	
1 6114		3484 A/13		42/43		120		1.2																																			
2 2500		2499 A/14		44/45		132		1.4																																			
3 2000		A/15		46/47		131		1.6																																			
4 1700		A/16		48/49		159		1.8																																			
5 1400		A/17		50/51		136		2.0																																			
6 1100		A/18		52/53		161		2.4																																			
7 900		A/19		54/55		165		2.6																																			
8 700		A/20		56/57		198		2.9																																			
9 500		A/21		58/59		209		3.2																																			
10 400		A/22		60/61		243		3.4																																			
11 300		A/23		62/63		258		3.5																																			
12 200		A/24		64/65		217		3.2																																			

ICE LOG: Surface Ice Conditions or proximity to ice edge

Rosette Notes:

Niskin 11 - top cap did not seal properly

VESSEL USCG Healy		CRUISE ID H10802		PROJECT & LEG BEST/BSEFP Spring'08		Ship Designation (I.D.) 1H0802		STATION NO. 77																					
CONSC CAST #		LATITUDE		LONGITUDE		TIME (GMT)		DRY BULB		WET BULB		PRESSURE		SEA STATE		VISIBILITY		WIND DIRN.		WIND SPD.		CLOUD (amt)		TYPE WEATHER		BOTTOM DEPTH (m)		STA. NAME/ID	
1145800.75 N		17451.09 W		23 APR 08		0023		2.1		.		12		.		182		13		3084		P14-3		Deep		P14-3			
DEG MIN		DEG MIN		DAY MO YR		HR MIN		(°C)		(°C)		(mb)		.		(deg)		(kts)		.		.		(m)					
SSE 9+		FLUOR S/N		SBE43-Oxy (prime)		SBE43-Oxy (sec)		Transmissometer		PAR S/N		O2 Temp Sensor No.		REMARKS		MAX DEPTH =		m											
PRESS SN		SBE43-Oxy (prime)		SBE43-Oxy (sec)		Transmissometer		PAR S/N		O2 Temp Sensor No.		REMARKS		MAX DEPTH =		m													
PRT TEMP SN		SBE43-Oxy (prime)		SBE43-Oxy (sec)		Transmissometer		PAR S/N		O2 Temp Sensor No.		REMARKS		MAX DEPTH =		m													
SEC TEMP SN		SBE43-Oxy (prime)		SBE43-Oxy (sec)		Transmissometer		PAR S/N		O2 Temp Sensor No.		REMARKS		MAX DEPTH =		m													
PRT COND SN		SBE43-Oxy (prime)		SBE43-Oxy (sec)		Transmissometer		PAR S/N		O2 Temp Sensor No.		REMARKS		MAX DEPTH =		m													
SEC COND SN		SBE43-Oxy (prime)		SBE43-Oxy (sec)		Transmissometer		PAR S/N		O2 Temp Sensor No.		REMARKS		MAX DEPTH =		m													
NIS DEPTH		Roset.		Hydro Team-FMEL		Weingartner		Gedmeier		Mashe		Sambrotto		Harvey		Moran/		DIC		Shull		Sherr		Pat		Katn			
No. DESRED		notes		SALT		NUTS		O2-Btl No		O2 Temp		CHL		Frac CHL		O18		Cooper		015N		O2/Ar		N Prod		DON			
1		Bfth, 3635		D/10		87		227		1.2										V									
2		2500, 2497		D/11		88		234		1.3										V									
3		2000, 2000		D/12		90		241		1.3										V									
4		1700		D/13		92		235		1.8										V									
5		1400		D/14		94		238		2.1										V									
6		1100		D/15		96		234		2.5										V									
7		900		D/16		98		237		2.8										V									
8		700		D/17		100		233		3.1										V									
9		500		D/18		102		239		3.4										V									
10		400		D/19		104		238		3.5										V									
11		300		D/20		106		237		3.5										V									
12		200		D/21		108		233		2.2										V									

ICE LOG: Surface Ice Conditions or proximity to ice edge

Rosette Notes:

#11 Vent leaks

VESSEL USCG Healy		CRUISE ID H10802		PROJECT & LEG BEST/BSICRP Spring'08		Ship Designation (I.D.) H0802		STATION NO. 77																	
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. (deg)	WIND SPD. (kts)	CLOUD (amt)	TYPE	WEATHER	BOTTOM DEPTH (m)	STA. NAME/ID	
11558	00	40 N		174	43		W	23	A	P	R	08	07	10	.	.	.	.	.	.	.	.	.	3014	P14-3
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 WCE Sta P14-3, Shallow Cast																									
MAX DEPTH = _____ m																									
NO	DEPTH	Roset.	Hydro Team-PMEL	Wingartner	Grebmeier	Masha	Sambrotto	Harvey	Moran	DIC	Shull	Sherr	Pat	Katrin	NS										
NO	DESIRED	notes	SALT	NUTS	O2-Btl No	O2 Temp	CHL	Frac CHL	OTB	Cooper	015N	O2/Ar	N	Prod	DON	Lessard	Lomas	ALK	Radon	Sherr	Pat	Katrin	NS		
1	300	301	D/22	110	111	163	3.3				V														
2	250	251	D/23	112	113	171	2.2																		
3	200	199	D/24	114	115	206	2.6				V														
4	150	151	F/1	116	117	196	2.3																		
5	125	126	F/2	118	119	208	2.0																		
6	100	98	F/3	129	121	144	1.8				V														
7	75	74	F/4	132	122	147	1.6				V														
8	60	59	F/5	124	125	153	1.7																		
9	30	29	F/6	126	127	143	1.0				V														
10	0	2	F/7	128	129	155	0.2				V														
11																									
12																									

ICE LOG: Surface Ice Conditions or proximity to ice edge

Rosette Notes:

N-Skin #7: leaky

Header, info filed out post-sampling,
info taken from Event Log.

VESSEL		CRUISE ID		PROJECT & LEG		Ship Designation (I.D.)		STATION NO.																
USCG Healy		H10802		BEST/BSERP_Spring'08		1H0802		78																
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)						
1	17	57	56	25	N	17	3	53	21	W	23	A	P	R	0	8	13	01	1.0	11	185	12	181	B52
SBE 9+ ☐ FLUOR S/N PRESS SN ☐ SBE43-Oxy (prime) PRT TEMP SN ☐ SBE43-Oxy (sec) SFC TEMP SN ☐ Transmissometer PRT COND SN ☐ PAR S/N SEC COND SN ☐ O2 Temp Sensor No.																								
REMARKS																								
CTD STD																								
MAX DEPTH = 178 m																								
NO	DEPTH	Roset.	Hydro Team-PWELL	Weingartner	Grebmeier	Masha	Sambrotto	Harvey	Moran/	Lomas	ALK	Radon	Sherr	Pat	Katrn	NIS								
	DESIRED	notes	SALT	NUTS	O2-BULB	O2 Temp	CHL	Frac CHL	O18	Cooper	O18N	O2/Ar	N	Prod	DON	Lessard	DIC	Shall	Sherr	Pat	Katrn	No.		
1	178			130	149	1.8																1		
2	125			131																		2		
3	100			132																		3		
4	75			133																		4		
5	50			134																		5		
6	40			135																		6		
7	30			136																		7		
8	20			137																		8		
9	16			138																		9		
10	10			139																		10		
11	5			140																		11		
12	0			141																		12		

ICE LOG: Surface Ice Conditions or proximity to ice edge

Rosette Notes:

Re-cast - O-rings on #7 and #11 changed.

VESSEL USCG Healy		CRUISE ID H10802		PROJECT & LEG BEST/BSERP_Spring/08		Ship Designation (I.D.) 1H0802		STATION NO. 78																											
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					
1		185755.86 N		17352.66 W		23 APR 08		1420		0.9		11		201		110		165		169		BS2													
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)																															
PAR TEMP SN				SBE43-Oxy (sec)																															
SEC TEMP SN				Transmissometer																															
PAR COND SN				PAR S/N																															
SEC COND SN				O2 Temp Sensor No.																															
REMARKS																																			
SHEER																																			
MAX DEPTH = 165 m																																			

NS	DEPTH	Roset.	Hydro Team-PMEL	Weingartner	Grebmeier	Masha	Sambrotto	Harvey	Moran/	DIC	Shull	Siverr	Pat	Katrin	NS					
No.	DESIRED	notes	SALT	NUTS	O2-Bu/No	O2 Temp	CHL	Frac CHL	O18	Cooper	O15N	O2/Ar	N Prod	DON	Lessard	Lomas	ALK	Radon	Th	No.
1	165			1																1
2	9																			2
3	9																			3
4	9																			4
5	9																			5
6	9																			6
7	9																			7
8	9																			8
9	9			2																9
10	9			3																10
11	9																			11
12	9																			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. 78																																							
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																	
119		57 57.34 N		173 55.07 W		23 APR 08		1556		0.8		11		196		10		390		BS2																											
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				02 Temp Sensor No.																																											
NIS		DEPTH		Roset.		Hydro Team-FMEL		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		O18		Cooper		015N		O2/Ar		N		Prod		DON		Lessard		Lomas		ALK		Radon		Sherr		Pat		Katrin		NIS	
1		26						B1																																							
2		17						B2																																							
3		13						B3																																							
4		10						F/11																																							
5		10						F/12																																							
6		10						F/13																																							
7		7						B5																																							
8		3		surface				B6																																							
9		0						B7																																							
10		0																																													
11		0																																													
12		0																																													

ICE LOG: Surface Ice Conditions or proximity to ice edge

Rosette Notes:

26, 17, 13, 10, 7, 3, 1
10, 10

MAX DEPTH = 50 m

PRODUCTIVITY

VESSEL USCG Healy		CRUISE ID H10802		PROJECT & LEG BEST/BSIERP_Spring'08		Ship Designation (I.D.) 1H0802		STATION NO. 74																																					
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		DEG MIN		DAY MO YR		HR MIN		°C		°C		(mb)		*		(deg)		(kts)		*		*		(m)																			
1205		809.72 N		17352.84 W		23 APR 08		1931		-0.9				13				317		11						121		BS3																	
SSE 9+		FLUOR S/N		SSE43-Oxy (ptime)		SSE43-Oxy (sec)		Transmissometer		PAR S/N		O2 Temp Sensor No.		REMARKS		MAX DEPTH = 116 m																													
PRESS SN		PRI TEMP SN		SEC TEMP SN		PRI COND SN		SEC COND SN																																					
No		DEPTH		Roset.		Hydro Team-PWEL		Weingartner		Grebnier		Masha		Sambrotto		Harvey		Moran/		DIC		Shull		Sherr		Pat		Katrin																	
No		DESIRED		notes		SALT		NUTS		O2-Btl No		O2 Temp		CHL		Frac CHL		O18		Cooper		015N		O2/Air		Prod		DON		Lessard		Lomas		ALK		Radon		Sherr		Pat		Katrin		No	
1		116				4		145		1.5																																			
2		100				5																																							
3		90				6																																							
4		80				7																																							
5		70				8																																							
6		60				9																																							
7		50				10																																							
8		40				11																																							
9		30				12																																							
10		20				13																																							
11		10				14																																							
12		0				15		151		-0.8		146		4																															

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. 81																																					
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															
1225852.78 N		17426.10 W		24 APR 08		0106-1.3						(mb)		* *				(deg)		(kts)		* * *		* * *		(m)		137222		Z22															
DEG		MIN		DEG		MIN		DAY		MO		YR		HR		MIN		(°C)		(°C)		(mb)		* *		(deg)		(kts)		* * *		* * *		(m)											
SBE 9+		PRESS SN		PRI TEMP SN		SEC TEMP SN		PRI COND SN		SEC COND SN		FLUOR S/N		SBE43-Oxy (p/‰)		SBE43-Oxy (sec)		Transducer		PAR S/N		O2 Temp Sensor No.		REMARKS		MAX DEPTH =		m																	
NIS		DEPTH		Roset.		Hydro Team-TMEL		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		O18		Cooper		Δ15N		O2/Air		N Prod		DON		Lessard		Lomas		ALK		Radon		Sherr		Pat		Katrin		NIS	
1		128		28		A11																																							
2		100		29		A12																																							
3		90		30																																									
4		80		31																																									
5		70		32																																									
6		60		33																																									
7		50		34																																									
8		40		35																																									
9		30		36																																									
10		20		37																																									
11		10		38		A13																																							
12		0		39																																									

ICE LOG: Surface Ice Conditions or proximity to ice edge

Rosette Notes:

VESSEL USCG Healy		CRUISE ID H10802		PROJECT & LEG BEST/BSIFRP_Spring'08		Ship Designation (I.D.) H10802		STATION NO. 84																																													
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																							
1255855.64 N		17548.09 W		24 APR 08		0811-3.2		20		28715		133		725																																							
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 Sensor No.		REMARKS		SID STD		MAX DEPTH = 127 m																																			
PRESS SN		PRI TEMP SN		SEC TEMP SN		PRI COND SN		SEC COND SN		DEPTH		Roset.		Hydro Team-PWEL		Wingmaster		Gretnier		Mastia		Sambrotto		Harvey		Moran/		DIC		Shull		Sherr		Pat		Katr		Nis															
No.		DESIRCD		notes		SALT		MLTS		O2-BU/No		O2 Temp		CHL		Frac CHL		O18		Cooper		W15N		O2/Ac		N		Prod		DON		Lessard		Lomas		ALK		Radon		Sherr		Pat		Katr		Nis							
1		127						164		009		1.0																																									
2		100						165																																													
3		75				A/10		166						LA6		L86																																					
4		60						167																																													
5		50						168																																													
6		40						169						LA5		L85																																					
7		30				A/11		170						LA4		L84																																					
8		20				A/12		171						LA3		L83																																					
9		10						172						LA2		L82																																					
10		10						—																																													
11		10						—																																													
12		0						173		016		-1.7		LA1		L8-1																																					

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.) 110802		STATION NO. 85															
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							
12658	40.73	N	17616.78	W	24 APR 08	1125-1.7		21	*	*	272	22	*	*	134	Z26							
REMARKS SRE 9+ _____ PRESS SN _____ PRI TEMP SN _____ SEC TEMP SN _____ PRI COND SN _____ SEC COND SN _____ O2 Temp Sensor No. _____ MAX DEPTH = 135 m																							
NS	DEPTH	Roset.	Hydro Team-PMEL	Wingartner	Grebmeier	Masha	Sambrotto	Harvey	Moran/	DIC	Snul	Sherr	Pat	Kattn	NS								
No.	DESIRED	notes	SALT	NUTS	O2-B/L No	O2 Temp	CHL	Frac CHL	O18	Cooper	015N	O2/Ar	N	Prod	DCN	Lessard	Lomas	ALK	Radon	Sherr	Pat	Kattn	No.
1	135			174	* 58	1.4																	1
2	100		A/13	175																			2
3	75			176																			3
4	60			177																			4
5	50			178																			5
6	40			179																			6
7	30			180																			7
8	20		A/14	181																			8
9	10		A/15	182																			9
10	0																						10
11	0																						11
12	0			183	20	-1.1	CA-1																12

ICE LOG: Surface ice conditions or proximity to ice edge

Rosette Notes:

5, 105, 100, 75, 50, 40, 30, 20, 10, 0

Drawn by tag line

VESSEL		CRUISE ID		PROJECT & LEG		Ship Designation (I.D.)		STATION NO.																	
USCG Healy		H10802		BEST/BSERP_Spring'08		H10802		88																	
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)
129	59	46	09	N	17	52	29	98	W	24	A	P	R	0	8	22	24	4	4	21	30	5	15	133	229
SBE 9+ _____ FLUOR S/N _____ PRESS SN _____ SBE43-Oxy (prime) _____ PPT TEMP SN _____ SBE43-Oxy (sec) _____ SEC TEMP SN _____ Transducer _____ PAR COND SN _____ PAR S/N _____ SEC COND SN _____ 02 Temp Sensor No. _____																									
REMARKS STD CTD Ice floes around us.																									
MAX DEPTH = 125 m																									
No.	DEPTH	Roset.	Hydro Team	FMEL	Weingartner	Grebmeier	Masha	Sambrotto	Harvey	Moran	DIC	Shull	Sherr	Pat	Katrin	No.									
DESIRED	notes	SALT	NUTS	02-BU No	02 Temp	CHL	Frac CHL	O18	Cooper	M15N	02/Air	N Prod	DON	Lessard	Lomas	ALK	Radon	Th							
1	125	F/1	205	159	0.2								✓												1
2	100		206																						2
3	90		207																						3
4	80	F/2	208																						4
5	70		209																						5
6	60		210										✓												6
7	50		211																						7
8	40	F/3	212																						8
9	30		213										✓												9
10	20		214																						10
11	10		215										✓											✓	11
12	0		216	136	-1.8	LA-1							✓												12

ICE LOG: Surface Ice Conditions or proximity to ice edge

Rosette Notes:

VESSEL USCG Healy		CRUISE ID H10802		PROJECT & LEG BEST/BSIEP_Spring'08		Ship Designation (I.D.) 1H0802		STATION NO. 89																																									
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																					
1305932.20 N		17558.67 W		25 APR 08		0051-4.1		22		30919		141		2210																																			
DEG MIN		DEG MIN		DAY MO YR		HR MIN		°C		°C		(mb)		*		*		(deg)		(kts)		*		*		(m)																							
SSE 9+		FLUOR S/N		SBE43-Oxy (prime)		SBE43-Oxy (sec)		Transducer		PAR S/N		O2 Temp		O2 Brk No		O2 Temp		CHL		Frac CHL		O18		Cooper		Mash		N Prod		DON		Harvey		Lessard		Moran/		DIC		Snul		Sherr		Pat		Katr		NIS	
No. DESIRED		notes		SALT		NUTS		O2-Brk No		O2 Temp		CHL		Frac CHL		O18		Cooper		Mash		N Prod		DON		Harvey		Lessard		Moran/		DIC		Snul		Sherr		Pat		Katr		NIS							
1		133		F/4		217		161		0.2																																							
2		110		F/5		214																																											
3		90				219																																											
4		80				220																																											
5		70				221																																											
6		60				222																																											
7		50				223																																											
8		40				224																																											
9		30				225																																											
10		20		F/6		226																																											
11		10				227																																											
12		0				228		165		-1.8		LA-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.) 1H0802		STATION NO. 90													
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			
		DEG	MIN	DEG	MIN	DAY	MO	YR	HR	MIN	(°C)	(°C)	(mb)	*	*	(deg)	(kts)	*	*	(m)	
1315919.91	N	176	24.46	W	25	A	P	R	0	8	03	02-3.7	23			300	14			140	2211
SBE 9+		FLUOR S/N		REMARKS		MAX DEPTH =															
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		02 Temp Sensor No.																			
NO	DEPTH	Roset.	Hydro Team-FMEL	Wengartner	Grebmeier	Mashta	Sanbroto	Harvey	Moran/	DIC	Shull	Sherr	Pat	Karin	NO						
	DESIRED	notes	SALT	NUTS	02-Bit No	02 Temp	CHL.	Frac CHL.	018	Cooper	01SN	02/Air	N	Prod	DON	Lessard	Lomas	ALK	Radon		
1	132		F/7	229	009	0.4															
2	110		F/8	230																	
3	90		F/9	231																	
4	80			232																	
5	70			233																	
6	60			234																	
7	50			235																	
8	40			236																	
9	30			237																	
10	20			238																	
11	10			239																	
12	0			240																	

ICE LOG: Surface Ice Conditions or proximity to ice edge

Rosette Notes:

VESSEL USCG Healy		CAUSE ID H10802		PROJECT & LEG BEST/BSERP_Spring08		Ship Designation (I.D.) H10802		STATION NO. 91																																			
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													
1325708.14 N		17651.28 W		25 APR 08		0517-3.6						24						29219										149 2212		2212													
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		Rosett.		Hydro Team-PWEL				Wetgamer		Grebneler		Masfja		Sambrotto		Harvey		Moran/		DIC		Snul		Sherr		Pat		Katr'n		NIS													
No.		DESIRED		notes		SALT		NLTS		O2-B/L No		O2 Temp		CHL		Frac CHL		O18		Cooper		δ15N		O2/Ar		N		Prod		DON		Lessard		Lomas		ALK		Radon		Th		No.	
1		140				F/10		130		166		0.6																												1			
2		120				F/11		131																														2					
3		100						152																														3					
4		80						133																														4					
5		70						134																														5					
6		60						135																														6					
7		50						136																														7					
8		40				F/12		137																														8					
9		30						138																														9					
10		20						139																														10					
11		10						140																														11					
12		0						141		182		-1.7		1A1		481																						12					

ICE LOG: Surface Ice Conditions or proximity to ice edge

Rosette Notes:

VESSEL USCG Healy		CRUISE ID H10802		PROJECT & LEG BEST/BSIEP, Spring'08		Ship Designation (I.D.) H10802		STATION NO. 92	
CONSC CAST #	DEG	LATITUDE MIN		DEG	LONGITUDE MIN		DAY	MO	YR
133	58	57.56 N		17	709.87 W		25	A	P R O 8
TIME (GMT)		DRY BULB		WET BULB		PRESSURE	SEA STATE	VISIBILITY	WIND DIRN.
0709-3.1		(°C)		(°C)		(mb)	• •	• •	(deg)
25		304		16		139	22	13	
WIND SPD.		CLOUD (amt)		TYPE		WEATHER		BOTTOM DEPTH	STA. NAME/ID
(kts)		• •		• •		• •		(m)	2213
MAX DEPTH = 131 m									

SEC 9+	FLUOR S/N	REMARKS
PRESS SN	SBE43-Oxy (p/line)	
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-PWEL	Wetgarner	Grebner	Masha	Sambrotto	Harvey	Moran/	DIC	Shul	Sherr	Pat	Katrin	NIS
No.	DESIRED	notes	SALT	NUTS	O2-B/LNo	O2 Temp	CHL	Frac CHL	O18	Cooper	AlSN	O2/Ar	N	Prod	DON
1	131			24	218	0.9									
2	120			1											
3	100			2											
4	80			3											
5	70			4											
6	60			5											
7	50			6			LA-6								
8	40			7			LA-5								
9	30			8			LA-4								
10	20			9			LA-3								
11	10			10			LA-2								
12	0			11	217	-1.4	LA-1								

ICE LOG: Surface Ice Conditions or proximity to ice edge

Rosette Notes:

VESSEL USCG Healy		CRUISE ID H10802		PROJECT & LEG BEST/BSIEAP_Spring'08		Ship Designation (I.D.) 1H0802		STATION NO. 93																																							
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																	
1345912.67N		17554.87W		25A		1125-4.0		25		294		17		140		2214																															
DEG		MN		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 Trp Sensor No.																																											
NIS		Roset.		Hydro Team-PMEL		Wiegarter		Grebeiner		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		134		✓		12		219		0.3												✓																									
2		100		✓		F13		13														✓																									
3		75		✓				14														✓																									
4		60		✓				15														✓																									
5		40		✓		F15		16														✓																									
6		30		✓		F14		17														✓																									
7		20		✓		F		18														✓																									
8		20																																													
9		20																																													
10		20																																													
11		10																				✓																									
12		0						20		220-1.8		LA-1										✓																									

ICE LOG: Surface Ice Conditions or proximity to ice edge

Rosette Notes:

5, 100, 75, 60, 50, 40, 30, 20
10, 10, 10, 10, 0

VESSEL USCG Healy		CRUISE ID H10802		PROJECT & LEG BEST/BSIERP Spring 08		Ship Designation (I.D.) H10802		STATION NO. 93																																					
CONSC CAST #		LATITUDE		LONGITUDE		TIME (GMT)		DRY BULB		WET BULB		PRESSURE		SEA STATE		VISIBILITY		WIND DIRN.		WIND SPO.		CLOUD (amt)		TYPE		WEATHER		BOTTOM DEPTH		STA. NAME/ID															
13559		12.32N		17554.59W		25 APR 08		1410-3.8		26		31513		138		2214																													
DEG MIN		DEG MIN		DAY MO YR		HR MIN		(°C)		(°C)		(mb)		* *		(deg)		(kts)		* *		* *		(m)																					
SSE 9+		FLUOR S/N		SBE43-Oxy (prime)		SBE43-Oxy (sec)		Transmissometer		PAR S/N		O2 Temp Sensor No.		REMARKS		MAX DEPTH = 133 m																													
PRESS SN		SBE43-Oxy (prime)		SBE43-Oxy (sec)		Transmissometer		PAR S/N		O2 Temp Sensor No.		REMARKS		MAX DEPTH = 133 m																															
PRI TEMP SN		SBE43-Oxy (prime)		SBE43-Oxy (sec)		Transmissometer		PAR S/N		O2 Temp Sensor No.		REMARKS		MAX DEPTH = 133 m																															
SEC TEMP SN		SBE43-Oxy (prime)		SBE43-Oxy (sec)		Transmissometer		PAR S/N		O2 Temp Sensor No.		REMARKS		MAX DEPTH = 133 m																															
PRI COND SN		SBE43-Oxy (prime)		SBE43-Oxy (sec)		Transmissometer		PAR S/N		O2 Temp Sensor No.		REMARKS		MAX DEPTH = 133 m																															
SEC COND SN		SBE43-Oxy (prime)		SBE43-Oxy (sec)		Transmissometer		PAR S/N		O2 Temp Sensor No.		REMARKS		MAX DEPTH = 133 m																															
NIS		Roset.		Hydro Team-PMEL		Weingartner		Grebeiner		Maslia		Sambrotto		Harvey		Moran/		DIC		Snail		Sherr		Pat		Katrin		NS																	
No		DESIRED		notes		SALT		NUTS		O2-B/LNO		O2 Temp		CHL.		Frac CHL.		O18		Cooper		O15N		O2/Ar		N Prod		DON		Lessard		Lomas		ALK		Radon		Sherr		Pat		Katrin		NS	
1		75		✓				21												✓																									
2		30						22												✓																									
3		20						23												✓																									
4		20																																											
5		20																																											
6		20																																											
7		20																																											
8		20																																											
9		20																																											
10		20																																											
11		10																																											
12		0						25												✓																									

ICE LOG: Surface Ice Conditions or proximity to ice edge

Rosette Notes:

75, 30, 20, 0
8
10

VESSEL		CRUISE ID		PROJECT & LEG		Ship Designation (I.D.)		STATION NO.														
USCG Healy		H10802		BEST/BSERP Spring'08		1H0802		94														
CONSC CAST #	DEG	LATITUDE MIN	DEG	LONGITUDE MIN	DAY	MO	YR	TIME (GMT) HR	MIN	DRY BULB (°C)	WET BULB (°C)	PRESSURE (mb)	SEA STATE *	VISIBILITY *	WIND DIRN.	WIND SPD.	CLOUD (amt) *	TYPE *	WEATHER *	BOTTOM DEPTH (m)	STA. NAME/ID	
1385834		81		7649.51	W	25	A	P	R	0	8	2215	-1	2		28	285	07			544	2215
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																						
MAX DEPTH = m																						
NIS		DEPTH	Roset.	Hydro Team-PMEL	Weingartner	Grebmeier	Masha	Sambrotto	Harvey	Moran/	DIC	Snell	Sher	Pat	Karin	NIS						
No.	DESIRED	notes	SALT	NUTS	O2-B/LNO	O2 Temp	CHL	Frac CHL	O18	Cooper	O15N	O2/Ar	N	Prod	DON	Lessard	Lomas	ALK	Radon	Th	No.	
1	525		F/16	20 27	222	3.1															1	
2	400		F/17	28 29																	2	
3	300			30 31																	3	
4	200			32 33																	4	
5	100			34 35																	5	
6	75			36 37																	6	
7	50			38 39																	7	
8	40			40 41																	8	
9	30			42 43																	9	
10	20		F/18	44 45																	10	
11	10			46 47																	11	
12	0			48 49																	12	

ICE LOG: Surface Ice Conditions or proximity to ice edge

Rosette Notes:

VESSEL USCG Healy		CRUISE ID H10802		PROJECT & LFG BEST/BSIEMP Spring'08		Ship Designation (I.D.) 1H0802		STATION NO. 95																																	
CONSC CAST #		LATITUDE		LONGITUDE		TIME (GMT)		DRY BULB		WET BULB		PRESSURE		SEA STATE		VISIBILITY		WIND DIRN.		WIND SPO.		CLOUD (amt)		TYPE		WEATHER		BOTTOM DEPTH		STA. NAME/ID											
137		58 45.05 N		176 57.64 W		26 APR 08		0130-3.9		26		26		277		12		132		2216		2216		2216		2216		2216		2216											
DEG		MIN		DEG		MIN		DAY		MO		YR		HR		MIN		(°C)		(°C)		(mb)		*		*		(deg)		(kts)		*		*		(m)					
137		58 45.05		176 57.64		W		26		A		P		R		0		8		0130		-3.9		26		277		12		132		2216		2216		2216					
SSE 9+		FLUOR S/N		SSE43-Oxy (prime)		SSE43-Oxy (sec)		Translucometer		PAR S/N		O2 Temp Sensor No.		REMARKS		MAX DEPTH =		m																							
PRESS SN		PRI TEMP SN		SEC TEMP SN		PRI COND SN		SEC COND SN		NIS		DEPTH		Roset.		Hydro Team-PNEL		Weingartner		Griebmeier		Masha		Sambrotto		Harvey		Moran/		DIC		Shul		Sherr		Pat		Katrín		NIS	
No		DESIRED		notes		SALT		NUTS		O2-B/L No		O2 Temp		CHL		Frac CHL		O18		Cooper		Δ15N		O2/Ar		N Prod		DON		lessard		Lomas		AUX		Radon		Th		No.	
1		125						150		226		1.5																												1	
2		100						151																														2			
3		90						152																														3			
4		80						153																														4			
5		70						154																														5			
6		60						155																														6			
7		50						156																														7			
8		40						157																														8			
9		30						158																														9			
10		20						159																														10			
11		10						160																														11			
12		0						161																														12			

ICE LOG: Surface Ice Conditions or proximity to ice edge

Rosette Notes:

VESSEL USCG Healy		CRUISE ID H10802		PROJECT & LEG BEST/BSIERR Spring'08		Ship Designation (I.D.) 1H0802		STATION NO. 87																															
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									
1415851.03 N		17728.64 W		26 APR 08		0452-0.6		2.5		28014		137		2218																									
DEG MIN		DEG MIN		DAY MO YR		HR MIN		(°C)		(°C)		(mb)		*		*		(deg)		(kts)		*		*		*		(m)											
SSE 9+		FLUOR S/N		SBE43-Oxy (prime)		SBE43-Oxy (sec)		Transmissometer		PAR S/N		O2 Temp Sensor No.		REMARKS		MAX. DEPTH =																							
PRESS SN		PRI TEMP SN		SEC TEMP SN		PRI COND SN		SEC COND SN																															
No.		DEPTH		Roset.		Hydro Team-PNEL		Weingartner		Grebowner		Maslia		Sambrotto		Harvey		Moran/		DIC		Snell		Sherr		Pat		Katrin		No.									
DESIRED		notes		SALT		NUTS		O2-B/LNO		O2 Temp		CHL		Frac CHL		O18		Cooper		δ15N		O2/Ar		N Prod		DON		Lessard		Lomas		ALK		Radon		Th			
1		130		F/14		174		234		1.6																													
2		100		F/20		175																																	
3		90		F/21		176																																	
4		80				177																																	
5		70				178																																	
6		60				179																																	
7		50				180																																	
8		40				181																																	
9		30				182																																	
10		20				183																																	
11		10				184																																	
12		0				185		233		-1.2		LA-1																											

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. 98

CONSC CAST # LATITUDE DEGREE MIN DEGREE MIN LONGITUDE DEGREE MIN DAY MO YR TIME (GMT) DRY BULB WET BULB PRESSURE SEA STATE VISIBILITY WIND DIRN WIND SPD. CLOUD (amt) TYPE WEATHER BOTTOM DEPTH STA. NAME/ID

1 425845.12 N 17747.48 W 26 APR 08 0649 0.2 24 290 13 712 2219

SBE 9+ SBE43-S/N SBE43-Oxy (online) SBE43-Oxy (sec) SEC TEMP SN Transmissometer PRI COND SN PAR S/N SEC COND SN O2 Temp Sensor No. REMARKS MAX. DEPTH = 673 m

NO.	DEPTH	ROSET.	Hydro Team-PMEL				Weingartner			Mascha			Sambrotto		Moran/		DIC	Shull	Sherr	Pat	Karin	
	DESIRED	notes	SALT	NUTS	O2-B/LNo	O2 Temp	CHL	Frac CHL	OT8	Cooper	0.15N	O2/Ar	N	Prod	DON	Lessard	Lomas	ALK	Radon		Th	
1	673			186	241	2.7																
2	500		F/22	187																		
3	400			188																		
4	300		F/23	189																		
5	200			190																		
6	100			191																		
7	50			192			LA6	LB6														
8	40		F/24	193			LA5	LB5														
9	30			194			LA4	LB4														
10	20			195			LA3	LB3														
11	10			196			LA2	LB2														
12	0			197	198	0.8	LA1	LB1														

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. 98																																			
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)							
1435844.85 N		17749.55 W		26		A		P		R		08		0845		0.4				24		278		12		593		2219															
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				02 Temp Sensor No.																																							
NIS DEPTH		Roset.		Hydro Team-PMEL				Weingartner		Grebmeier		Masla		Sambrotto		Harvey		Moran/		DIC		Shull		Sherr		Pat		Karin		NIS													
No. DESIRED		notes		SALT		NUTS		O2-B/L No		O2 Temp		CHL		Frac CHL		O18		Cooper		δ15N		O2/Air		N Prod		DON		Lessard		Lomas		ALK		Radon		Sherr		Pat		Karin		NIS	
1		10																																									
2		10																																									
3		10																																									
4		10																																									
5		0																																									
6																																											
7																																											
8																																											
9																																											
10																																											
11																																											
12																																											

ICE LOG: Surface Ice Conditions or proximity to ice edge

Rosette Notes:

REMARKS
LESSARD
only to 100m

MAX. DEPTH = 100 m

1200

Rosette Notes:

VESSEL		CHLUSE ID		PROJECT & LEG		Ship Designation (I.D.)		STATION NO.													
USCG Healy		H10802		BEST/BSERP, Spring'08		H10802		99													
CONSC	DEG	LATITUDE	DEG	LONGITUDE	DAY	MO	YR	TIME (GMT)	DRY BULB	WET BULB	PRESSURE	SEA STATE	WIND DIRN.	WIND SPD.	CLOUD (amt)	TYPE	WEATHER	BOTTOM DEPTH	STA. NAME/ID		
CAST #	MIN	MIN	MIN	MIN	DAY	MO	YR	HR	MIN	(°C)	(°C)	(mb)	*	(deg)	(kts)	*	*	(m)			
14459	03	36	N	17736	43	W	26	A	P	R	0	8	11513	-0.5	.	23		289	8	0138	2220
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 ☐ I02 Trip Sensor No. ☐																					
REMARKS SID CTD Snowing MAX DEPTH = 135 m																					
NIS	DEPTH	Roset.	Hydro Team-PWEL	Weingartner	Grebner	Masha	Sambrotto	Harvey	Moran/	DIC	Snul	Sherr	Pat	Katrin	NIS						
No.	DESIRED	notes	SALT	NUTS	O2-B/L/AQ	O2 Temp	CHL	Frac CHL	O18	Cooper	015N	O2/Air	N Prod	DON	Lessard	Lomas	ALK	Radon	Th	No.	
1	135	✓		198	58	1.6								✓						1	
2	100	-		195										✓						2	
3	75	✓		200										✓						3	
4	60	✓		201										✓						4	
5	50	✓		202										✓						5	
6	40	✓		203										✓						6	
7	30			204										✓						7	
8	20			205										✓						8	
9	10			206										✓						9	
10	0			207	120	-1.0	4A-1													10	
11																				11	
12																				12	

ICE LOG: Surface Ice Conditions or proximity to ice edge

VESSEL USCG Healy		CRUISE ID H10802		PROJECT & LEG BEST/BSERP Spring 08		Ship Designation (I.D.) H10802		STATION NO. 100															
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. (deg)	WIND SPD. (kts)	CLOUD (amt) *	WEATHER *	BOTTOM DEPTH (m)	STA. NAME/ID
145	59	22.25 N		1	72.24.09 W		26	A	P	R	08	1420	-1.3	.	21	*	*	292	7	*	*	171	Z221
SBE 9+		FLUOR S/N		SBE43-Oxy (prime)		SBE43-Oxy (sec)		Transmissometer		PAR S/N		O2 Temp Sensor No.		REMARKS STD CTD Shoaling									
PRESS SN		SBE43-Oxy (prime)		SBE43-Oxy (sec)		Transmissometer		PAR S/N		O2 Temp Sensor No.		MAX. DEPTH =											
PRI TEMP SN		SBE43-Oxy (prime)		SBE43-Oxy (sec)		Transmissometer		PAR S/N		O2 Temp Sensor No.													
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.													
NS	DEPTH	Roset.	Hydro Team-PNCL	Weingartner	Grebmeier	Mashta	Sambrotto	Halvey	Moran/	DIC	Shul	Sher	Pat	Karin	MS								
No	DESIRED	notes	SALT	NUTS	O2-BI/No	O2 Temp	CHL	Frac CHL	O18	Cooper	015N	O2/Ar	N	Prod	DON	Lessard	Lomas	ALK	Radon	Sherr	Th	No	
1	169			208	121	0.9																1	
2	185			205																		2	
3	160			210																		3	
4	75			211																		4	
5	60			212																		5	
6	40			213																		6	
7	30			214																		7	
8	20			215																		8	
9	10			216																		9	
10	0			217	127	-1.5	CA-1															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/BSERP Spring 08		Ship Designation (I.D.) 110802		STATION NO. 101																															
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									
1465857		.87N		17708.12W		26 APR 08		1704-0.7		.21		27.4		8		134		2222																					
DEG MIN		DEG MIN		DAY MO YR		HR MIN		(°C)		(°C)		(mb)		*		*		(deg)		(kts)		+		+		+		(m)											
SSE 9+				FLUOR S/N																																			
PRESS SN				SSE43-Oxy (g/line)																																			
PRI TEMP SN				SSE43-Oxy (sec)																																			
SEC TEMP SN				Transmissometer																																			
PRI COND SN				PAR S/N																																			
SEC COND SN				O2 Temp Sensor No.																																			
NS 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		O18		Cooper		015N		O2/Ar		N Prod		DON		Lessard		Lomas		ALK		Radon		Th		No.	
1 131		✓		218		131		0.9												✓																1			
2 100		✓		20/4		220														✓														2					
3 80		✓		221		220														✓														3					
4 60		✓		222		221														✓														4					
5 40		✓		223		222														✓														5					
6 30		✓		224		223														✓														6					
7 20		✓		225		224														✓														7					
8 10		✓		226		225														✓														8					
9 0		✓		227		226														✓														9					
10																																10							
11																																11							
12																																12							

ICE LOG: Surface Ice Conditions or proximity to ice edge

Rosette Notes:

60

MAX. DEPTH = m

STD STD

VESSEL USCG Healy		CRUISE ID H10802		PROJECT & LEG BEST/BSIEMP Spring 08		Ship Designation (I.D.) 1H0802		STATION NO. 102																
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. (deg)	WIND SPD. (kts)	CLOUD (amt) *	WEATHER *	BOTTOM DEPTH (m)	STA. NAME/ID	
1475834		80 N		17635	55 W		27	A	P	R	0	8	0022	-0.3		19			290	12			280	2223
REMARKS 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 Trip Sensor No. _____																								
NIS		DEPTH	Roset.	Hydro Team-PMEL		Weirgartner		Grebmeier	Mashta		Sambrotto		Harvey	Moran/	DIC	Snell	Sherr	Pat	Katrin	NIS				
No.	DESRED	notes	SALT	NUTS	O2-B/L No	O2 Temp	CHL	Frac CHL	O18	Cooper	δ15N	O2/Ar	N	Prod	DON	Lessard	Lomas	ALK	Radon	Th	No.			
1	281			227	143	2.7															1			
2	200			228																	2			
3	150			229																	3			
4	100			230																	4			
5	75			231																	5			
6	60			232																	6			
7	50			233																	7			
8	40			234																	8			
9	30			235																	9			
10	20			236																	10			
11	10			237																	11			
12	0			238	145	-0.5	LA-1	LB-1													12			

ICE LOG: Surface Ice Conditions or proximity to ice edge

Rosette Notes:

VESSEL USCG Healy		CRUISE ID HT10802		PROJECT & LEG BEST/BSIERP_Spring'08		Ship Designation (I.D.) 110802		STATION NO. 103																																																																																																																																																																																																																																																																																																																	
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. (deg)	WIND SPO. (kts)	CLOUD (amt)	TYPE	WEATHER	BOTTOM DEPTH (m)	STA. NAME/ID																																																																																																																																																																																																																																																																																																	
14858	54	44		176	17		27	A	P	R	08	0309	-0.8		18			270	14					133	ZZZ4																																																																																																																																																																																																																																																																																																
SBE 9+ _____ FLUOR S/N _____ PRESS SN _____ SBE43-Oxy (prime) _____ PRT TEMP SN _____ SBE43-Oxy (sec) _____ SEC TEMP SN _____ Transmissometer _____ PRT COND SN _____ PAR S/N _____ SEC COND SN _____ O2 Temp Sensor No. _____																																																																																																																																																																																																																																																																																																																									
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<table border="1"> <thead> <tr> <th rowspan="2">NIS</th> <th rowspan="2">DEPTH</th> <th rowspan="2">Roset.</th> <th rowspan="2">Hydro Team-PWEL</th> <th rowspan="2">Weingartner</th> <th rowspan="2">Greubner</th> <th colspan="2">Mascha</th> <th colspan="2">Sambrotto</th> <th rowspan="2">Harvey</th> <th rowspan="2">Lessard</th> <th rowspan="2">Moran/</th> <th rowspan="2">DIC</th> <th rowspan="2">Shull</th> <th rowspan="2">Radon</th> <th rowspan="2">Sherr</th> <th rowspan="2">Pat</th> <th rowspan="2">Th</th> <th rowspan="2">Karin</th> <th rowspan="2">NIS</th> </tr> <tr> <th>615N</th> <th>O2/Ar</th> <th>N</th> <th>Prod</th> <th>DO</th> </tr> </thead> <tbody> <tr> <td>1</td> <td>124</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td>1</td> </tr> <tr> <td>2</td> <td>100</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td>2</td> </tr> <tr> <td>3</td> <td>90</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td>3</td> </tr> <tr> <td>4</td> <td>80</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td>4</td> </tr> <tr> <td>5</td> <td>70</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td>5</td> </tr> <tr> <td>6</td> <td>60</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td>6</td> </tr> <tr> <td>7</td> <td>50</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td>7</td> </tr> <tr> <td>8</td> <td>40</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td>8</td> </tr> <tr> <td>9</td> <td>30</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td>9</td> </tr> <tr> <td>10</td> <td>20</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td>10</td> </tr> <tr> <td>11</td> <td>10</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td>11</td> </tr> <tr> <td>12</td> <td>0</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td>12</td> </tr> </tbody> </table>																								NIS	DEPTH	Roset.	Hydro Team-PWEL	Weingartner	Greubner	Mascha		Sambrotto		Harvey	Lessard	Moran/	DIC	Shull	Radon	Sherr	Pat	Th	Karin	NIS	615N	O2/Ar	N	Prod	DO	1	124																				1	2	100																				2	3	90																				3	4	80																				4	5	70																				5	6	60																				6	7	50																				7	8	40																				8	9	30																				9	10	20																				10	11	10																				11	12	0																				12
NIS	DEPTH	Roset.	Hydro Team-PWEL	Weingartner	Greubner	Mascha		Sambrotto		Harvey	Lessard	Moran/	DIC	Shull	Radon	Sherr	Pat	Th	Karin	NIS																																																																																																																																																																																																																																																																																																					
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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. 104																																							
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																	
14759		11.80		17558		13		27		A		P		R		0		8		05		59		+1.3		.		17		290		10		142		2225											
DEG		MIN		DEG		MIN		DAY		MO		YR		HR		MIN		(°C)		(°C)		(mb)		*		*		(deg)		(kts)		*		*		(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 Trip Sensor No.																																											
NIS		DEPTH		Roset.		Hydro Team-PNCL		Weigartner		Grebnier		Masiba		Sambrotto		Harvey		Moranv		DIC		Shul		Sherr		Pat		Katri		NIS																	
No		DESID		notes		SALT		NUTS		O2-Bt.No		O2 Temp		CHL		Frac CHL		O18		Cooper		615N		O2/Ar		N		Prod		DON		Lessard		Lomas		ALK		Radon		Sherr		Pat		Katri		NIS	
1		134				D/7		51		155		0.4																																			
2		100				D/8		52																																							
3		90						53																																							
4		80						54																																							
5		70						55																																							
6		60						56																																							
7		50						57																																							
8		40				D/9		58																																							
9		30						59																																							
10		20						60																																							
11		10						61																																							
12		0						62																																							

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		1H0802		105												
CONSC	LATITUDE	LONGITUDE		TIME (GMT)		DRY BULB	WET BULB	PRESSURE	SEA STATE	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)							
15059	25.23 N	17546.33 W	27 APR 08	0812-1.5			17		298	7					138	2226				
SBE 9+		FLUOR S/N	REMARKS																	
PRESS SN		SBE43-Oxy (prime)	STD STD																	
PAT TEMP SN		SBE43-Oxy (sec)																		
SEC TEMP SN		Transmissometer																		
PAT COND SN		PAR S/N																		
SEC COND SN		O2 Temp Sensor No.																		
NO.	DEPTH	Roset.	Hydro Team-PNEL	Weingartner	Griebner	Mashta	Sambrotto	Harvey	Moran/	DIC	Snell	Sherr	Pat	Katrin	NIS					
DESRED	notes	SALT	NUTS	O2-B/L No	O2 Temp	CHL	Frac CHL	O18	Cooper	O15N	O2/Ar	N Prod	DON	Lessard	Lomas	ALK	Radon	Th		No.
1	139	D10	63	162	0.3															1
2	100		64																	2
3	80		65																	3
4	60	D11	66																	4
5	40		67																	5
6	30		68																	6
7	20	D12	69																	7
8	10		70																	8
9	0		71	205	-1.8	LA-1	LB-1													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.) H10802		STATION NO. 106													
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)			
151	54	11.77	N	175	58.30	W	27	A	P	R	08	10	18	-1.5			17	285	6	139	2227
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 RADAR/LESSARD																					
MAX DEPTH = 124 m																					
DEPTH		Roset.	Hydro Team-PMEL		Weingartner	Grebmeier	Masha	Sambrotto	Harvey	Moran/	DIC	Shull	Sherr	Pat	Katrin	NIS					
No	DESIRED	notes	SALT	NUTS	O2-B/L No	O2 Temp	CHL	Frac CHL	O18	Cooper	δ15N	O2/Ar	N Prod	DOH	Lessard	Lomas	ALK	Radon	Th	No	
1	134																			1	
2	110																			2	
3	90	D/13																		3	
4	70																			4	
5	45																			5	
6	30	D/14																		6	
7	18																			7	
8	18																			8	
9	18																			9	
10	18																			10	
11	8	D/15																		11	
12	0																			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. 106																																							
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																			
15259		11.32 N		17602.05 W		27 APR 08		1211		-1.4		16		*		*		290		3		*		*		138		2227																			
DEG		MN		DEG		MN		DAY		MO		YR		HR		MIN		(°C)		(°C)		(mb)		*		(deg)		(kts)		(m)																	
SSE 9+				FLUOR S/N				SBE43-Oxy (prime)				SBE43-Oxy (sec)				Transmissometer				PAR S/N				O2 Temp Senson No.																							
PRESS SN																																															
PRI TEMP SN																																															
SEC TEMP SN																																															
PRI COND SN																																															
SEC COND SN																																															
NIS		DEPTH		Roset.		Hydro Team-PMEL		Weingartner		Greibner		Masha		Sambrotto		Harvey		Moran/		DIC		Shull		Sherr		Pat		Katrin		NIS																	
No		DESIRED		notes		SALT		NUTS		O2-BI.No		O2 Temp		CHL.		Frac CHL.		O18		Cooper		015N		O2/Air		N		Prod		DON		Lessard		Lomas		ALK		Radon		Sherr		Pat		Katrin		NIS	
1		135		'				72		*220		0.4																																			
2		100		'				73																																							
3		87		'				74																																							
4		75		'				75																																							
5		50		'		D16		96																																							
6		40		'		D17		77																																							
7		30		'				98																																							
8		20		'		D18		99																																							
9		10		'				80																																							
10		0		'				81																																							
11				'																																											
12				'																																											

ICE LOG: Surface ice Conditions or proximity to ice edge

Rosette Notes:

4, 100, 75, 60, 50 40 30 20 10 0

STD CTD

REMARKS

MAX DEPTH = m

VESSEL USCG Healy		CRUISE ID H10802		PROJECT & LEG BEST/BSIEP, Spring'08		Ship Designation (I.D.) H10802		STATION NO. 106																					
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. (deg)	WIND SPD. (kts)	CLOUD (amt)	TYPE	WEATHER	BOTTOM DEPTH (m)	STA. NAME/ID					
15354	12	10 N		17558	79 W		27	A	P	R	0	8	1413	-1.5		16			184	1				138	2227				
SBE 9+		FLUOR S/N		SBE43-Oxy (prime)		SBE43-Oxy (sec)		Transmissometer		PAR S/N		REMARKS SHER																	
PRESS SN		SBE43-Oxy (prime)		SBE43-Oxy (sec)		Transmissometer		PAR S/N		MAX DEPTH = 134 m																			
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																					
O2 Temp Sensor No.		O2 Temp Sensor No.		O2 Temp Sensor No.		O2 Temp Sensor No.		O2 Temp Sensor No.		O2 Temp Sensor No.		O2 Temp Sensor No.		O2 Temp Sensor No.		O2 Temp Sensor No.		O2 Temp Sensor No.		O2 Temp Sensor No.		O2 Temp Sensor No.		O2 Temp Sensor No.					
NIS		Roset.		Hydro Team-PMEL		Wetgartner		Grabmeier		Mascha		Sambrotto		Harvey		Moran/		DIC		Shul		Sherr		Pat		Katrin		NIS	
No.	DESIRED	notes	SALT	NUTS	O2-BI/No	O2 Temp	CHL.	Frac CHL.	O18	Cooper	Δ15N	O2/Ar	N	Prod	DON	Lessard	Lomas	ALK	Radon										
1	134			83																									
2	10			84																									
3	10			85																									
4	10																												
5	10																												
6	10																												
7	10																												
8	10																												
9	10																												
10	10																												
11	10																												
12	0																												

ICE LOG: Surface Ice Conditions or proximity to ice edge

Rosette Notes:

5010

VESSEL USCG Healy		CRUISE ID H10802		PROJECT & LEG BEST/BSIEMP, Spring'08		Ship Designation (I.D.) H10802		STATION NO. 106																																	
CONSC CAST #	DEG	LATITUDE MIN		DEG	LONGITUDE MIN		DAY	MO	YR	TIME (GMT) HR MIN	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																				
1545911.73	N	17557.89		W	27		A	P	08	1535-1.6	15	144	4	138	2227																										
SBE 9+		FLUOR S/N		SBE43-Oxy (pHine)		SBE43-Oxy (sec)		Transmissometer		PAR S/N		O2 Trp Sensor No.		REMARKS PROD CAST																											
PRESS SN		PRT TEMP SN		SEC TEMP SN		PRT COND SN		SEC COND SN		NIS		DEPTH		Rosett.		Hydro Team-PWEL		Weingartner		Grabmeier		Masha		Sambrotto		Harvey		Moran/		DIC		Shull		Sherr		Pat		Katr'n		NIS	
DESIRED		notes		SALT		NUTS		O2-BTL No		O2 Temp		CHL		Frac CHL		O18		Cooper		δ15N		O2/Air		N Prod		DON		Lessard		Lomas		ALK		Radon		Th		No.			
1	46		D/19	B/1																																					
2	30			B/2																																					
3	24			D/20	B/3																																				
4	18				B/4																																				
5	12			D/21	B/5																																				
6	6				B/6																																				
7	0				B/7																																				
8																																									
9																																									
10																																									
11																																									
12																																									

ICE LOG: Surface Ice Conditions or proximity to ice edge

Rosette Notes:

46, 30, 24, 18, 12, 6, 0

VESSEL USCG Healy		CRUISE ID H10802		PROJECT & LEG BEST/BSERP Spring 08		SHIP Designation (I.D.) H10802		STATION NO. 107																																			
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													
1555954		26 N		17624.30 W		27 APR 08		1955-3.3		. .		14		. .		107		14		. .		. .		. .		. .		144		MN15													
DEG MIN		DEG MIN		DAY MO YR		HR MIN		(°C)		(°C)		(mb)		* *		(deg)		(kts)		* *		* *		* *		(m)																	
SSE 9+		FLUOR S/N		SSE43-Oxy (prime)		SSE43-Oxy (sec)		Transmissometer		PAR S/N		O2 Tmp Sensor No.		REMARKS		MAX DEPTH =		m																									
PRESS SN		PPI TEMP SN		SEC TEMP SN		PPI COND SN		SEC COND SN																																			
N/S		DEPTH		Roset.		Hydro Team		PMEL		Wiegarter		Grebnier		Masfa		Sambrotto		Harvey		Moran/		DIC		Shull		Sherr		Pat		Katrin													
No.		DESIRED		notes		SALT		MLTS		O2-BLNG		O2 Temp		CHL		Frac CHL		O18		Cooper		015N		O2/Air		N Prod		DON		Lessard		Lomas		ALK		Radon		Sherr		Th		No.	
1		135				85		224		0.4												✓																		✓			
2		100				86																																					
3		90				87																✓																					
4		80				88																✓																					
5		76				89																✓																					
6		60				90																																					
7		50				91																✓																					
8		40				92																																					
9		30				93																✓																					
10		20				94																✓																					
11		10				95																✓																					
12		0				96		226		-1.9		LA-1										✓																					

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. 109																																	
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											
1575954.50 N		17511.89 W		28 APR 08		0139-4.1		12		116		17		123		M.M.13																									
DEG MIN		DEG MIN		DAY MO YR		HR MIN		(°C)		(°C)		(mb)		*		*		(deg)		(kts)		+		+		+		(m)													
SSE 9+		FLUOR S/N		SBE43-Oxy (prime)		SBE43-Oxy (sec)		Transmissometer		PAR S/N		O2 Temp Sensor No.		REMARKS		MAX DEPTH =		m																							
PRESS SN		SBE43-Oxy (prime)		SBE43-Oxy (sec)		Transmissometer		PAR S/N		O2 Temp Sensor No.		REMARKS		MAX DEPTH =		m																									
PRT TEMP SN		SBE43-Oxy (prime)		SBE43-Oxy (sec)		Transmissometer		PAR S/N		O2 Temp Sensor No.		REMARKS		MAX DEPTH =		m																									
SEC TEMP SN		SBE43-Oxy (prime)		SBE43-Oxy (sec)		Transmissometer		PAR S/N		O2 Temp Sensor No.		REMARKS		MAX DEPTH =		m																									
PRT COND SN		SBE43-Oxy (prime)		SBE43-Oxy (sec)		Transmissometer		PAR S/N		O2 Temp Sensor No.		REMARKS		MAX DEPTH =		m																									
SEC COND SN		SBE43-Oxy (prime)		SBE43-Oxy (sec)		Transmissometer		PAR S/N		O2 Temp Sensor No.		REMARKS		MAX DEPTH =		m																									
NIS		DEPTH		Roset.		Hydro Team-PWEL		Weingartner		Gretzmeier		Mascha		Sambrotto		Harvey		Moran/		DIC		Shull		Sherr		Pat		Katrín		NIS											
No.		DESIRED		notes		SALT		MLTS		O2-Btl No		O2 Temp		CHL		Frac CHL		O18		Cooper		Mascha		Sambrotto		Harvey		Moran/		DIC		Shull		Sherr		Pat		Katrín		NIS	
1		115		D/22		109		165		-0.4																												1			
2		100		D/23		110																														2					
3		90						111																												3					
4		80						112																												4					
5		70						113																												5					
6		60						114																												6					
7		50						115																												7					
8		40						116																												8					
9		30		D/24		117																														9					
10		20				118																														10					
11		10				119																														11					
12		0				120		009		-1.8		LA-1		L3-1																						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. 110																																							
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																	
15862		15.64 N		17233.47 W		29 APR 08		0207-3.8				21		217		1		55		57L																											
SBE 9+		FLUOR S/N		SBE43-Oxy (prime)		SBE43-Oxy (sec)		Transmissometer		PAR S/N		O2 Temp Sensor No.		REMARKS		MAX DEPTH =		m																													
PRESS SN		PRI TEMP SN		SEC TEMP SN		PRI COND SN		SEC COND SN																																							
NIS		DEPTH		Roset.		Hydro Team/FMEL		Weingartner		Grebmeier		Masha		Samborotto		Harvey		Moran/		DIC		Shull		Sherr		Pat		Kath		NIS																	
NO.		DESIRED		notes		SALT		NUTS		O2-BU No		O2 Temp		CHL.		Frac CHL.		O18		Cooper		015N		O2/Air		N		Prod		DON		Lessard		Lomas		ALK		Radon		Sherr		Pat		Kath		NIS	
1		52						121		159		-0.7		LA-6																																	
2		50						122																																							
3		40						123						LA-5																																	
4		30						124						LA-4																																	
5		20						125						LA-3																																	
6		10						126						LA-2																																	
7		0						127						LA-1																																	
8																																															
9																																															
10																																															
11																																															
12																																															

ICE LOG: Surface Ice Conditions or proximity to ice edge

Rosette Notes:

3600

Rosette Notes:

ICE LOG: Surface Ice Conditions or proximity to ice edge

VESSEL USCG Healy		CRUISE ID H10802		PROJECT & LEG BEST/BSERP Spring'08		Ship Designation (I.D.) 1H0802		STATION NO. 111																																							
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																	
159621		11.00 N		17441.02 W		29 APR 08		1121-5.8		.		23		+		+		22810		10		.		.		.		7320m		58																	
DEG		MIN		DEG		MIN		DAY		MO		YR		HR		MIN		(°C)		(°C)		(mb)		+		+		(deg)		(kts)		(m)															
SBE 9+				FLUOR S/N																																											
PRESS SN				SSE43-Oxy (prime)																																											
PRI TEMP SN				SSE43-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		Grebnier		Mosha		Sambrotto		Harvey		Moran/		DIC		Shull		Sherr		Pat		Katrin		NIS																	
No.		DESIRED		notes		SALT		NLTS		O2-B/L		No		O2 Temp		CHL		Frac CHL		O18		Cooper		015N		O2/Air		N Prod		DON		Lessard		Lomas		ALK		Radon		Sherr		Pat		Katrin		No.	
1		60																						✓																						1	
2		60		B/13																				✓																				2			
3		50																						✓																				3			
4		40																						✓																				4			
5		30																						✓																				5			
6		20		B/14																				✓																				6			
7		10																						✓																				7			
8		10																																										8			
9		10																																												9	
10		10		B/15																																								10			
11		10																																												11	
12		0		1.5																				✓																						12	

3017

Radon/Lessard

REMARKS

MAX DEPTH = m

2970

[illegible]

Rosette Notes:

2570

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		1H0802		111													
CONSC	DEG	LATITUDE	DEG	LONGITUDE	MIN	DAY	MO	YR	TIME (GMT)	DRY BULB	WET BULB	PRESSURE	SEA STATE	WIND DIRN.	WIND SPD.	CLOUD (amt)	TYPE	WEATHER	BOTTOM DEPTH	STA. NAME/ID	
161	02	11.96	N	174	41.83	W	29	A	P	R	08	1352	-5.4		23		202	11		7340	MS8
SBE 9+ _____ FLUOR S/N _____ PRESS SN _____ SBE43-Oxy (prime) _____ PPT TEMP SN _____ SBE43-Oxy (sec) _____ SEC TEMP SN _____ Transmissometer _____ PPT COND SN _____ PAR S/N _____ SEC COND SN _____ O2 Temp Sensor No. _____																					
REMARKS SHEAR																					
MAX DEPTH = 69 m																					
NIS	DEPTH	Roset.	Hydro Team	FWEL	O2-BU No	O2 Temp	CHL	Frac CHL	Wiegarter	O18	Cooper	Masha	Sambrotto	Harvey	Moran/	DIC	Shull	Sherr	Pat	Katrin	NIS
No	DESIRED	notes	SALT	NUTS																	No
1	10			135																	1
2	10		8/19	136																	2
3	10		8/20																		3
4	10																				4
5	10																				5
6	10																				6
7	10																				7
8																					8
9																					9
10																					10
11																					11
12																					12

2, 10

[illegible]

Rosette Notes:

VESSEL USCG Healy		CRUISE ID H10802		PROJECT & LEG BEST/BSIEP Spring 08		Ship Designation (I.D.) H10802		STATION NO. 111															
CONSC CAST #	DEG	LATITUDE MIN		DEG	LONGITUDE MIN		DAY	MO	YR	TIME (GMT) HR MIN	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	
163	62	12.21		N	17442.14		W	30	A	P	R	0	8	0150	-2.7	.	23	25320				7370458	
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 _____ I02 Temp Sensor No. _____																							
REMARKS																							
MAX. DEPTH = 70 m																							
NIS DEPTH Roset. Hydro Team-PNEL Weigartner Grebnerier Masfira Sambrotto Harvey Moran/ DIC Snail Sherr Pat Katrin NIS No. DESIRED notes SALT NUTS 02-BTLNo 02 Temp CHL. Frac CHL. 018 Cooper 01SN 02/Ar N Prod DON Lessard Lomas ALK Radon Th																							
1	70	5th		137	147	-0.8	LA-6			249												1	
2	60			138																		2	
3	50			139																		3	
4	40			140			LA-5															4	
5	30			141			LA-4															5	
6	20			142			LA-3															6	
7	10			143			LA-2			248												7	
8	0			144	153	-0.7	LA-1			247												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/BSERP_Spring 08		Ship Designation (I.D.) H10802		STATION NO. 112															
CONSC CAST #	DEG	LATITUDE MIN		DEG	LONGITUDE MIN		DAY	MO	YR	TIME (GMT)	DRY BULB	WET BULB	PRESSURE	SEA STATE	VISIBILITY	WIND DIRN.	WIND SPD.	CLOUD (amt)	TYPE	WEATHER	BOTTOM DEPTH	STA. NAME/ID	
1646200		96 N		17437	21 W		30	A	P	R	08	0518	-3.4	22	*	*	252	15	*	*	*	7276MS7	
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 = 70 m																							
NS	DEPTH	Roset.	Hydro Team-PNEL	Wingaster	Grobmeister	Masha	Sambrotto	Harvey	Moran/	DIC	Shul	Sherr	Pat	Katrin	NS								
No.	DESIRED	notes	SALT	NUTS	O2-B/L No	O2 Temp	CHL.	Frac CHL	O18	Cooper	δ15N	O2/Ar	N Prod	DON	Lessard	Lomas	ALK	Radon	Sherr	Pat	Katrin	No.	
1	70			145	169	-0.7			250					✓								1	
2	60			146										✓								2	
3	50			147			LA-6	LB-6						✓								3	
4	40			148			LA-5	LB-5						✓								4	
5	30			149			LA-4	LB-4						✓								5	
6	20			150			LA-3	LB-3						✓								6	
7	10			151			LA-2	LB-2	251					✓								7	
8	0			152			LA-1	LB-1	252					✓								8	
9																						9	
10																						10	
11																						11	
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		113	
CONSC	DEG	LATITUDE		DEG		LONGITUDE		TIME (GMT)	
CAST #	MIN			MIN				DRY BULB	
165	61	55.75 N		174		19.28 W		WET BULB	
				DAY		MO		PRESSURE	
				30		A P R 0 8		SEA STATE	
				HR		MIN		VISIBILITY	
				08		10-3.4		WIND DIRN.	
				22				WIND SPO.	
				26		015		CLOUD (amt)	
								TYPE	
								WEATHER	
								BOTTOM DEPTH	
								STA. NAME/ID	
								7470M56	
REMARKS									
STD - 70M Line									
MAX DEPTH = 68 m									
SEC 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	WETGARTNER	GREINER	MASHA	SAMBROTTO	HARVEY	MORAN/
DESIG	NOTES	SALT	NUTS	O2-B/L No	O2 Temp	CHL.	FRAC CHL.	O18	COOPER
1	68		D/1	153				255	
2	60			154					
3	50			155		-6			
4	40			156		-5			
5	30			157		-4			
6	20			158		-3			
7	10			D/2	159	-2		254	
8	0			D/3	160	-0.9	LA-1	253	
9									
10									
11									
12									

ICE LOG: Surface Ice Conditions or proximity to ice edge

Rosette Notes:

In An ice lead.

3220

2750

Rosette Notes:

ICE LOG: Surface Ice Conditions or proximity to ice edge

VESSEL USCG Healy		CRUISE ID H10802		PROJECT & LEG BEST/BSERP_Spring'08		Ship Designation (I.D.) H10802		STATION NO. 114																																	
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)					
166.6151.75 N		17406.58 W		30		APR		08		10		18		-3.4								22						267		19				7370m55							
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		Weingartner		Grebeiner		Mascha		Sanbroto		Harvey		Moran/		DIC		Snell		Sherr		Pat		Katrin		Ns											
DESIRE		notes		SALT		NUTS		O2-Btl.No		O2 Temp		CHL		Frac CHL		O18		Cooper		015N		O2/Ar		N		Prod		DON		Lessard		Lomas		ALK		Radon		Th			
1		69				161		*173		-0.8						258																									
2		60				162																																			
3		50				163																																			
4		40				164																																			
5		30				165																																			
6		20				166																																			
7		10				167																																			
8		0				168																																			
9																																									
10																																									
11																																									
12																																									

REMARKS

STD

MAX DEPTH = 69 m

VESSEL		CRUISE ID		PROJECT & LEG		Ship Designation (I.D.)		STATION NO.															
USCG Healy		H10802		BEST/BSERP Spring '08		1H0802		115															
CONSC	DEG	LATITUDE		DEG		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 #	MIN			MIN				HR	MIN	(°C)	(°C)	(mb)	*	(deg)	(kts)	*	*	*	(m)				
1	67	44.02 N		173.51		27 W		30	A	P	R	0	8	12	47	3.7			22	270	13	7270	M54
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																							
STD																							
MAX DEPTH = 67 m																							
No	DEPT H	Roset.	Hydro Team-PMEL	Weingartner	Grebner	Mashta	Sambrotto	Harvey	Moran/	DIC	Shull	Sher	Pat	Katrin	NIS								
No	DEPT H	notes	SALT	NUTS	O2-B/LNO	O2 Temp	CHL	Frac CHL	O18	Cooper	01SN	O2/Ar	N	Prod	DOH	Lessard	Lomas	ALK	Radon	Th	No		
1	67			169					26.1												1		
2	60		0/7	170			-6														2		
3	50			171			-5														3		
4	40			172			-4														4		
5	30			173			-3														5		
6	20		0/8	174			-2														6		
7	10		0/9	175			-1														7		
8	0			176			-0.8														8		
9	0			177			-0.8														9		
10																					10		
11																					11		
12																					12		

ICE LOG: Surface Ice Conditions or proximity to ice edge

Rosette Notes:

2350

VESSEL		CRUISE ID		PROJECT & LEG		Ship Designation (I.D.)		STATION NO.																	
USCG Healy		H10802		BEST/BIERP_Spring'08		H10802		116																	
CONSC	DEG	LATITUDE	DEG	MIN	LONGITUDE	DEG	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
16861	32.93	N	17340.72	W	30	A	P	0	8	15	09	-3.8	22	283	14	2270	M53								
SBE 9+		FLUOR S/N		SBE43-Oxy (primary)		SBE43-Oxy (sec)		Transmissometer		PAR S/N		O2 Trip Sensor No.		REMARKS											
PRESS SN		SBE43-Oxy (primary)		SBE43-Oxy (sec)		Transmissometer		PAR S/N		O2 Trip Sensor No.		Primary Productivity													
SBE COND SN		O2 Trip Sensor No.		O2 Trip Sensor No.		O2 Trip Sensor No.		O2 Trip Sensor No.		O2 Trip Sensor No.		O2 Trip Sensor No.		O2 Trip Sensor No.		O2 Trip Sensor No.		O2 Trip Sensor No.		O2 Trip Sensor No.		O2 Trip Sensor No.		O2 Trip Sensor No.	
NO	DEPTH	Roset.	Hydro Team-PMEL	Wiegman	Gredmeier	Masha	Sanbroto	Harvey	Moran/	DIC	Snell	Sherr	Pat	Katrin	NIS										
1	51	notes	SALT	NUTS	O2-B/L	No	O2 Temp	CHL	Frac CHL	O18	Cooper	015N	O2/Ar	N	Prod	DOH	Lessard	Lomas	ALK	Rodon	Sherr	Pat	Katrin	NIS	No.
2	33			B1																					1
3	27			B2																					2
4	20			B3																					3
5	13			B4																					4
6	7			B5																					5
7	0			B6																					6
8				B7																					7
9																									8
10																									9
11																									10
12																									11
12																									12

ICE LOG: Surface Ice Conditions or proximity to ice edge

Rosette Notes:

1802

[illegible]

ICE LOG: Surface Ice Conditions or proximity to ice edge

REMARKS

450

VESSEL USCG Healy		CRUISE ID H10802		PROJECT & LEG BEST/BSERP Spring 08		Ship Designation (I.D.) H10802		STATION NO. 117													
CONSC CAST #	DEG	LATITUDE MN		DEG	LONGITUDE MIN		DAY	MO	YR	TIME (GMT) HR MIN	DRY BULB (°C)	WET BULB (°C)	PRESSURE (mb)	SEA STATE • •	VISIBILITY • •	WIND DIRN. (deg)	WIND SPD. (kts)	CLOUD (amt) • • •	WEATHER • • •	BOTTOM DEPTH (m)	STA. NAME/ID
1706125.64	N	1		7343.56	W		01	MAR	08	0440	-3.5		23			10308				7370	M52
SBE 9+ _____ FLUOR S/N _____ PRESS SN _____ SBE43-Oxy (prime) _____ PRT TEMP SN _____ SBE43-Oxy (sec) _____ SEC TEMP SN _____ Transmissometer _____ PRT COND SN _____ PAR S/N _____ SEC COND SN _____ I02 Temp Sensor No. _____																					
REMARKS _____																					
MAX DEPTH = _____ m																					
NO.	DEPTH	ROSET.	Hydro Team-PMEL	Wiegand	Grebner	Masha	Sanbroto	Harvey	Moran/	DIC	Shull	Sherr	Pat	Katrin	NIS						
DESIRED	notes	SALT	NUTS	O2-BU No	O2 Temp	CHL	Frac CHL	O18	Cooper	M15N	O2/Ar	N Prod	DON	Lessard	Lomas	ALK	Radon	Th			
1	70		B/14 185					267													
2	60		B/15 186																		
3	50		187																		
4	40		188																		
5	30		189																		
6	20		190																		
7	10		B/10 191					266													
8	0		192		159	-0.7	LA-1	265													
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/BSIEP Spring'08		Ship Designation (I.D.) H10802		STATION NO. 118																																					
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															
17161		15.11 N		17345.26 W		01 APR 08		0606-3.2		23		10307																																	
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.																																									
NO.		DEPTH		Roset.		Hydro Team-PWEL		Wetgartner		Grebnier		Masha		Sambrotto		Harvey		Moran/		DIC		Shull		Sherr		Pat		Katrin		No.															
DESIRE		notes		SALT		MLTS		O2-BULB		O2 Temp		CHL.		Frac CHL.		O18		Cooper		M15N		O2/Air		N		Prod		DON		Lessard		Lomas		ALK		Radon		Sherr		Pat		Katrin		No.	
1		20		B/17		193		165		-0.7						268																													
2		60		B/18		194																																							
3		50				195																																							
4		40				196																																							
5		30				197																																							
6		20				198																																							
7		10		B/19		199										269																													
8		0				200										270																													
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/BSIEP_Spring'08		Ship Designation (I.D.) H10802		STATION NO. 120																																							
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																	
1736054.44 N		17349.73 W		01 APR 08		0903-3.3		23		081		9		8170M49																																	
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)																																											
POT TEMP SN				SBE43-Oxy (sec)																																											
SEC TEMP SN				Transmissometer																																											
POT COND SN				PAR S/N																																											
SEC COND SN				O2 Temp Sensor No.																																											
NIS		DEPTH		Roset.		Hydro Team-PMEL		Wetgaster		Gedremer		Masha		Sambrotto		Harvey		Moran/		DIC		Shul		Sherr		Pat		Katrin		NIS																	
No		DESIRED		notes		SALT		MLTS		O2-BU/No		O2 Temp		CHL		Frac CHL		018		Cooper		015N		O2/Ar		N		Prod		DON		Lessard		Lomas		ALK		Radon		Sherr		Pat		Katrin		NIS	
1		76		✓		8/23		205		078-0.9								276																													
2		60		✓				210						-6																																	
3		50						211						-5																																	
4		40				8/24		212						-4																																	
5		30						213						-3																																	
6		20						214						-2				275																													
7		10				F/1		215						-1				274																													
8		0						216						-1																																	
9																																															
10																																															
11																																															
12																																															

ICE LOG: Surface Ice Conditions or proximity to ice edge

Rosette Notes:

2020

VESSEL USCG Healy	CRUISE ID H10802	PROJECT & LEG BEST/BSERP_Spring'06	Ship Designation (I.D.) 1H0802	STATION NO. 12-1														
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)	
1746044.N	44.44	17339.29.W	01	MAY	2008	10	41	-4.0	.	23				08511			7170M	48
SGE 9+		FLUOR S/N																
PRESS SN		SGE 43-Oxy (prime)																
PRI TEMP SN		SGE 43-Oxy (sec)																
SEC TEMP SN		Transmissometer																
PRI COND SN		PAR S/N																
SEC COND SN		Q2 Temp Sensor No.																
REMARKS																		
MAX DEPTH = 68 m																		
STD																		
15A:00																		

ICE LOG: Surface Ice Conditions or proximity to ice edge

STD

REMARKS

MAX. DEPTH = 00

VESSEL USCG Healy		CRUISE ID H10802		PROJECT & LEG BEST/BSERP, Spring 08		Ship Designation (I.D.) 1H0802		STATION NO. 122																																					
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															
1766034		34.94 N		17338.36 W		01 MAY 08		1342-4.9		.24		050		6														6870m47																	
SSE 9+		FLUOR S/N		SSE43-Oxy (prime)		SSE43-Oxy (sec)		Transmissometer		PAR S/N		PAR COND SN		SEC COND SN		Q2 Temp Sensor No.		REMARKS SHEER		MAX DEPTH = 10 m																									
PRESS SN		SEC TEMP SN		PAR COND SN		SEC COND SN		Q2 Temp Sensor No.																																					
No.		DEPTH		Roset.		Hydro Team-MEL		Weingartner		Gedreiner		Mascha		Sambrotto		Harvey		Moran/		DIC		Shull		Sherr		Pat		Katrin		No.															
1		2		notes		SALT		NUTS		O2-Bt.No		O2 Temp		CHL.		Frac CHL.		018		Cooper		015N		O2/Air		N Prod		DON		Lessard		Lomas		ALX		Radon		Sherr		Pat		Katrin		No.	
2		2		F/B		234		235																																					
3		2																																											
4		2																																											
5		2																																											
6		2																																											
7		2																																											
8		2																																											
9																																													
10																																													
11																																													
12																																													

ICE LOG: Surface Ice Conditions or proximity to ice edge

Rosette Notes:

2

2120

VESSEL USCG Healy		CRUISE ID H10802		PROJECT & LEG BEST/BSIERP_Spring'08		Ship Designation (I.D.) 1H0802		STATION NO. 122															
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, (deg)	WIND SPD, (kts)	CLOUD (amt) *	WEATHER TYPE	BOTTOM DEPTH (m)	STA. NAME/ID
177	60	35.13 N		173	37.92 W		01	MAY	08	15	04	-4.9			24			043	5			6870M47	
REMARKS Primary Productivity																							
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.																							
MIS DEPTH Roset. Hydro Team/FMEL																							
Weingartner Grebner																							
Massha																							
Sambrotto																							
Harvey																							
Lomax																							
DIC																							
Shull																							
Sherr																							
Pat																							
Katr																							
MIS																							
No																							
1																							
2																							
3																							
4																							
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/BSICRP_Spring'08		Ship Designation (I.D.) 1H0802		STATION NO. 123																																							
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																	
1786025		.85 N		17334.17 W		01 MAY 08		1751		-4.5		.25		016		5		64		70		M		46																							
DEG MIN		DEG MIN		DAY MO YR		HR MIN		(°C)		(°C)		(mb)		*		*		(deg)		(kts)		*		*		(m)																					
SSE 9+		FLUOR S/N		SBE43-Oxy (prime)		SBE43-Oxy (sec)		Transmissometer		PAR S/N		O2 Temp Sensor No.		REMARKS		MAX DEPTH = 60 m																															
PRESS SN		SBE43-Oxy (prime)		SBE43-Oxy (sec)		Transmissometer		PAR S/N		O2 Temp Sensor No.		REMARKS		MAX DEPTH = 60 m																																	
PR1 COND SN		PR1 COND SN		PR1 COND SN		PR1 COND SN		PR1 COND SN		PR1 COND SN		PR1 COND SN		PR1 COND SN		PR1 COND SN		PR1 COND SN		PR1 COND SN		PR1 COND SN		PR1 COND SN		PR1 COND SN		PR1 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		SEC COND SN		SEC COND SN		SEC COND SN		SEC COND SN		SEC COND SN		SEC COND SN		SEC COND SN																			
NIS		DEPTH		Roset.		Hydro Team-PMEL		Weingartner		Grebmeier		Masfa		Sambrotto		Harvey		Moran/		DIC		Shull		Sherr		Pat		Katrin																			
No		DESIRED		notes		SALT		NUTS		O2-BTLNO		O2 Temp		CHL		Frac CHL		O18		Cooper		d15N		O2/Ar		N		Prod		DON		Lessard		Lomas		ALK		Radon		Sherr		Pat		Katrin		No.	
1		60		-		F/17		236		234		-0.8		-6				285																													
2		50		-				237						-5																																	
3		40		-				238						-4																																	
4		30		-				235						-3																																	
5		20		-				240						-2																																	
6		10		-		F/18		241						-1				284																													
7		0		-		F/19		242						-1				283																													
8																																															
9																																															
10																																															
11																																															
12																																															

ICE LOG: Surface ice Conditions or proximity to ice edge

Rosette Notes:

1200

VESSEL USCG Healy		CRUISE ID H10802		PROJECT & LEG BEST/BSIERP_Spring'08		Ship Designation (I.D.) 110802		STATION NO. 124																																							
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																	
179		6016.66 N		17329.66 W		01 MAY 08		1943		-4.3		25		C3803		6670M45																															
DEG		MIN		DEG		MIN		DAY		MO		YR		HR		MIN		°C		°C		(mb)		*		*		(deg)		(kts)		*		*		(m)											
SSE 94				FLUOR S/N																																											
PRESS SN				SBE43-Oxy (prime)																																											
PAR TEMP SN				SBE43-Oxy (sec)																																											
SEC TEMP SN				Transmissometer																																											
PAR COND SN				PAR S/N																																											
SEC COND SN				O2 Temp Sensor No.																																											
NIS		DEPTH		Roset.		Hydro Team-PWEL		Wellgartner		Grebnier		Masha		Sambrotto		Harvey		Moran/		DIC		Shul		Sherr		Pat		Katrin		NIS																	
No		DESIGNED		notes		SALT		NUTS		O2-BU/No		O2 Temp		CHL.		Frac CHL.		O18		Cooper		015N		O2/Ar		N		Prod		DON		Lessard		Lomas		ALK		Radon		Sherr		Pat		Katrin		NIS	
1		62		F/20		2				L46		L86		286																																	
2		50		F/21		3				L45		L85																																			
3		40		F/22		4				L44		L84																																			
4		30				5				L43		L83																																			
5		20				6				L42		L82		287																																	
6		10				7				L41		L81		288																																	
7		0				8				235		-0.9		L41		L81		288																													
8																																															
9																																															
10																																															
11																																															
12																																															

ICE LOG: Surface Ice Conditions or proximity to ice edge

Rosette Notes:

MAX DEPTH = 62 m

VESSEL USCG Healy		CRUISE ID H10802		PROJECT & LEG BEST/BSIERP Spring08		Ship Designation (I.D.) H10802		STATION NO. 125																																					
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															
18060		06.94 N		17320.57 W		01 MAY 08		2127-5.4				25						06709										7470m		44															
SSE 9+				FLUOR S/N																																									
PRESS SN				SBE43-Oxy (prime)																																									
PAT TEMP SN				SBE43-Oxy (sec)																																									
SEC TEMP SN				Transducer																																									
PAT COND SN				PAR S/N																																									
SEC COND SN				O2 Temp Sensor No.																																									
NIS DEPTH		Rosett		Hydro Team-PWEL				Weightmaster		Grebnier		Masla		Sambrotto		Harvey		Moran/		DIC		Shul		Sherr		Pat		Katrin		NIS															
No. DESIRED		notes		SALT		NUTS		O2-BU.No		O2 Temp		CHL.		Frac CHL.		O18		Cooper		015N		O2/Ar		N		Prod		DON		Lessard		Lomas		ALK		Radon		Sherr		Pat		Katrin		NIS	
1 68						9		041		-0.5		LA-6				289																													
2 60						10																																							
3 50						11																																							
4 40						12						LA-5																																	
5 30						13						LA-4																																	
6 20						14						LA-3																																	
7 10						15						LA-2				290																													
8 0						16						LA-1				291																													
9																																													
10																																													
11																																													
12																																													

ICE LOG: Surface Ice Conditions or proximity to ice edge

Rosette Notes:

REMARKS

MAX DEPTH =

m

VESSEL USCG Healy	CRUISE ID H10802	PROJECT & LEG BEST/BSIERP-Spring'08	Ship Designation (I.D.) 110802	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
	DEG	MIN		DEG	MIN		(°C)	(°C)	(mb)	*	(deg)	(kts)	*	*	*	(m)	
1816002.91 N			17302.44 W			G1	MAY 08	2320-4.9	.25	*	57	5				7070M43	

REMARKS

MAX. DEPTH = m

		REMARKS	MAX. DEPTH =	m
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)			
	Transmissometer			
	PAR S/N			
	O2 Temp Sensor No.			

[illegible]

ICE LOG: Surface Ice Conditions or proximity to ice edge

Rosette Notes:

70

8

VESSEL USCG Healy		CRUISE ID H10802		PROJECT & LEG BEST/BSIERP_Spring '08		Ship Designation (I.D.) 110802		STATION NO. 127																			
CONSC CAST #	DEG	LATITUDE MIN	DEG	LONGITUDE MIN	DAY	MO	YR	TIME (GMT) HR	MIN	DRY BULB (°C)	WET BULB (°C)	PRESSURE (mb)	SEA STATE *	VISIBILITY *	WIND DIRN. (deg)	WIND SPD. (kts)	CLOUD (amt) *	WEATHER *	BOTTOM DEPTH (m)	STA. NAME/ID							
182	59	58.6	1	72	44	76	W	02	APR	08	0213	-4.1								71	70M42						
SBE 9+ _____ FLUIDR 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 Trip Sensor No. _____																											
REMARKS																											
MAX DEPTH = _____ m																											
NO	DEPTH DESIRED	ROSET.	notes	SALT	NUTS	O2-B/L	O2 Temp	CHL.	Frac CHL.	Wiegman	O18	Cooper	Msta	O2/Ar	N	Prod	DON	Harvey	Lessard	Moran/	Lomas	ALX	Radon	Sherr	Pat	Karin	NO
1	64				24	058	-0.8	LA-6		295																1	
2	50				25																					2	
3	40				26			LA-5																		3	
4	30				27			LA-4																		4	
5	20				28			LA-3																		5	
6	10				29			LA-2		296																6	
7	0				30			LA-1		297																7	
8																										8	
9																										9	
10																										10	
11																										11	
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/BSICRP-Spring'08		H10802		129																				
CONSC	LATITUDE	LONGITUDE		TIME (GMT)	DRY BULB	WET BULB	PRESSURE	SEA STATE	VISIBILITY																			
CAST #	DEG MIN	DEG MIN	DAY MO YR	HR MIN	(°C)	(°C)	(mb)	*	*																			
184	59 50.52 N	177 207.75 W		02 MAY 08	06 58-7.1		24																					
SSE 9+	FLUOR S/N	REMARKS		STD																								
PRESS SN	SSE43-Oxy (prime)	MAX DEPTH = m																										
PRI TEMP SN	SSE43-Oxy (sec)																											
SEC TEMP SN	Transmissometer																											
PRI COND SN	PAR S/N																											
SEC COND SN	O2 Temp Sensor No.																											
NO.	DEPTH	Roset.	Hydro Team-P/MEL	Weingartner	Gredmeyer	Masha	Sambrotto	Harvey	Moran/	DIC	Shull	Sherr	Pat	Katrin	NO.													
	DESIRED	notes	SALT	NUTS	O2-BTLNO	O2 Temp	CHL	Frac CHL	O18	Cooper	015N	O2/Air	N	Prod	DON	Lessard	Lomas	ALX	Radon	Th								
1	71			39	121	-0.2	LA-6	LB-6	301																			
2	60			40																								
3	50			41																								
4	40			42			LA-5	LB-5																				
5	30			43			LA-4	LB-4																				
6	20			44			LA-3	LB-3																				
7	10			45			LA-2	LB-2	302																			
8	0			46			LA-1	LB-1	303																			
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		1H0802		130											
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)			
18559	50.30	N	17149.84	W	02	MAY	08	0837	-7.2			24		004	12	7370M39			
REMARKS SBE 9+ PRESS SN PRI TEMP SN SEC TEMP SN PRI COND SN SEC COND SN O2 Temp Sensor No.																			
FLUOR S/N SBE43-Oxy (prime) SBE43-Oxy (sec) Transmissometer PAR S/N O2 Temp Sensor No.																			
STD																			
MAX. DEPTH = 69 m																			
DEPT	notes	SALT	NUTS	OZ-BU/No	OZ Temp	CHL	Frac CHL	Wiegmanier	Gedonreier	Masha	Sambrotto	Harvey	Moran/	DIC	Shull	Sherr	Pat	Karin	NS
DESIRE								018	Cooper	015N	OZ/Air	N	Prod	DON	Lessard	Lomas	ALX	Radon	No
1	69		417					306											1
2	60	F/23	48																2
3	50		49			-6													3
4	40		50			-5													4
5	30		51			-4													5
6	20	F/24	52			-3													6
7	10	A/1	53			-2		305											7
8	0		54			-0.9	LA-1	304											8
9																			9
10																			10
11																			11
12																			12

ICE LOG: Surface Ice Conditions or proximity to ice edge

Rosette Notes:

Rosette Notes:

[illegible]

VESSEL USCG Healy		CRUISE ID H10802		PROJECT & LEG BEST/BSICRP Spring'08		Ship Designation (I.D.) H10802		STATION NO. 132																																					
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															
1875942		71 N		17108.82 W		02 MAY 08		1207-7.6		23		354		7		7270M37																													
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)		Transducer		PAR S/N		Q2 Temp Sensor No.		REMARKS STD Using Oyster thermo. w/ probe #2		MAX DEPTH =		m																											
PRESS SN		PRESS SN		SEC TEMP SN		SEC TEMP SN		PAR COND SN		SEC COND SN																																			
No.		DEPTH		Roset.		Hydro Team-FMEL		Wingmaster		Gekometer		Masha		Sambrotto		Harvey		Moran/		DIC		Shul		Sherr		Pat		Katr		No.															
No.		DEPTD		notes		SALT		NUTS		O2-BU/No		O2 Temp		CHL		Frac CHL		018		Cooper		B15N		O2/Ar		Prod		DON		Lessard		Lomas		ALK		Radon		Sherr		Pat		Katr		No.	
1		68						63								312						✓																						1	
2		60						61														✓																				2			
3		50						A15 65						-6								✓																				3			
4		40						A16 66						-5								✓																				4			
5		30						67						-4																												5			
6		20						A17 68						-3								✓																				6			
7		10						69														✓																				7			
8		10						70						A-2				311																								8			
9		0						70						A-1				310																								9			
10																																										10			
11																																										11			
12																																										12			

ICE LOG: Surface Ice Conditions or proximity to ice edge

Rosette Notes:

VESSEL		CRUISE ID		PROJECT & LEG		STATION NO.											
USCG Healy		H10802		BEST/BSIERP_Spring 08		110802											
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	DEG MIN	DAY	MO	YR	HR	MIN	(°C)	(°C)	(mb)	*	(deg)	(kts)	*	*	(m)
18859	35.69	N	17055.30	W	02	08	14	07	-7.5		22		326	12			7270M36
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. _____																	
NIS		Roset.		Hydro Team-PHEL		Weingartner		Gredemeier		Mascha		Sambrotto		Harvey		Moran/	
DEPTH	notes	SALT	NUTS	O2-BU/No	O2 Temp	CHL	Frac CHL	018	Cooper	015N	O2/Ar	N	Prod	DON	Lessard	Lomas	ALX
1	67		71	136	-1.9			15									
2	60	A/8	72														
3	50	A/9	73			-6											
4	40		74			-5											
5	30		75			-4											
6	20		76			-3											
7	10	A/10	77			-2		14									
8	0		78			LA-1		13									
9																	
10																	
11																	
12																	

REMARKS
 STD

MAX. DEPTH = 67 m

Rosette Notes:

VESSEL USCG Healy		CRUISE ID H10802		PROJECT & LEG BEST/BSIERP_Spring'08		Ship Designation (I.D.) 1H0802		STATION NO. 134																							
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	
1895926.34 N		17054.15 W		62 MAY 08		1527-2.4		22		33716		7340435																			
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 Sensor No.																			
PRESS SN		SBE43-Oxy (prime)		SBE43-Oxy (sec)		Transmissometer		PAR S/N		O2 Temp Sensor No.																					
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		Roset.		Hydro Team: PMEL		Weingartner		Grebnier		Masna		Sambrotto		Harvey		Moran/		DIC		Shull		Sherr		Pat		Katrin			
No		DESIRED		notes		SALT		NUTS		O2-Btl No		O2 Temp		CHL		Frac CHL		O18		Cooper		015N		O2/Air		N		Prod			
1		68		A/11		75		16.1		-1.9						318															
2		60				80																									
3		50				81																									
4		40				82																									
5		30				83																									
6		20				84																									
7		10		A/12		85																									
8		0		A/13		86																									
9																															
10																															
11																															
12																															

ICE LOG: Surface Ice Conditions or proximity to ice edge

Rosette Notes:

[illegible]

Rosette Notes:

23050

VESSEL		CRUISE ID		PROJECT & LEG		Ship Designation (I.D.)		STATION NO.						
USCG Healy		H10802		BEST/BISERP_Spring'08		140802		136						
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	HR MIN	(°C)	(°C)	(mb)	*	*	(deg)	(kts)	* *	*	(m)	
1	91 59 13.89 N	17 02 5.79 W	02 MAY 08 1833	-6.9	.	21			357	15			6470	M33
SSE 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.												
No	DEPTH	Roset.	Hydro Team-PNEL	Weingartner	Grebmeier	Masha	Sambrotto	Harvey	Moran/	DIC	Snell	Sherr	Pat	Karin
	DESRED	notes	SALT	NUTS	O2-BTLNo	O2 Temp	CHL	Frac CHL	018	Cooper	01SN	O2/Air	N Prod	DOIN
1	64			95			LA-6		324					
2	50		A/17	91			LA-5							
3	40			97			LA-4							
4	30			99			LA-4							
5	20		A/18	99			LA-3							
6	10		A/19	10.5			LA-2		323					
7	0			101		16.3	-1.9	LA-1	322					
8														
9														
10														
11														
12														

ICE LOG: Surface Ice Conditions or proximity to ice edge

Rosette Notes:

ICE LOG: Surface Ice Conditions or proximity to ice edge

Rosette Notes:

CGW
DGR

VESSEL		CHLUSE ID		PROJECT & LEG		SHIP DESIGNATION (I.D.)		STATION NO.	
USCG Healy		H10802		BEST/BSERP_Spring '08		1H0802		138	
CONSC	58 57.11	18.30							
CAST #	DEG	MIN	DEG	MIN	DAY	MO	YR	HR	MIN
193	57	06	N	17	01	08	23	35	-5
LATITUDE	LONGITUDE	TIME (GMT)	DRY BULB	WET BULB	PRESSURE	SEA STATE	VISIBILITY	WIND DIRL	WIND SPD
57.11	18.30	2335-5.7			20			13	9
DEG	MIN	DAY	MO	YR	HR	MIN	(°C)	(°C)	(mb)
57	06	01	08	23	35	-5	7		20
LATITUDE	LONGITUDE	TIME (GMT)	DRY BULB	WET BULB	PRESSURE	SEA STATE	VISIBILITY	WIND DIRL	WIND SPD
57.11	18.30	2335-5.7			20			13	9
DEG	MIN	DAY	MO	YR	HR	MIN	(°C)	(°C)	(mb)
57	06	01	08	23	35	-5	7		20
LATITUDE	LONGITUDE	TIME (GMT)	DRY BULB	WET BULB	PRESSURE	SEA STATE	VISIBILITY	WIND DIRL	WIND SPD
57.11	18.30	2335-5.7			20			13	9
DEG	MIN	DAY	MO	YR	HR	MIN	(°C)	(°C)	(mb)
57	06	01	08	23	35	-5	7		20
LATITUDE	LONGITUDE	TIME (GMT)	DRY BULB	WET BULB	PRESSURE	SEA STATE	VISIBILITY	WIND DIRL	WIND SPD
57.11	18.30	2335-5.7			20			13	9
DEG	MIN	DAY	MO	YR	HR	MIN	(°C)	(°C)	(mb)
57	06	01	08	23	35	-5	7		20
LATITUDE	LONGITUDE	TIME (GMT)	DRY BULB	WET BULB	PRESSURE	SEA STATE	VISIBILITY	WIND DIRL	WIND SPD
57.11	18.30	2335-5.7			20			13	9
DEG	MIN	DAY	MO	YR	HR	MIN	(°C)	(°C)	(mb)
57	06	01	08	23	35	-5	7		20
LATITUDE	LONGITUDE	TIME (GMT)	DRY BULB	WET BULB	PRESSURE	SEA STATE	VISIBILITY	WIND DIRL	WIND SPD
57.11	18.30	2335-5.7			20			13	9
DEG	MIN	DAY	MO	YR	HR	MIN	(°C)	(°C)	(mb)
57	06	01	08	23	35	-5	7		20
LATITUDE	LONGITUDE	TIME (GMT)	DRY BULB	WET BULB	PRESSURE	SEA STATE	VISIBILITY	WIND DIRL	WIND SPD
57.11	18.30	2335-5.7			20			13	9
DEG	MIN	DAY	MO	YR	HR	MIN	(°C)	(°C)	(mb)
57	06	01	08	23	35	-5	7		20
LATITUDE	LONGITUDE	TIME (GMT)	DRY BULB	WET BULB	PRESSURE	SEA STATE	VISIBILITY	WIND DIRL	WIND SPD
57.11	18.30	2335-5.7			20			13	9
DEG	MIN	DAY	MO	YR	HR	MIN	(°C)	(°C)	(mb)
57	06	01	08	23	35	-5	7		20
LATITUDE	LONGITUDE	TIME (GMT)	DRY BULB	WET BULB	PRESSURE	SEA STATE	VISIBILITY	WIND DIRL	WIND SPD
57.11	18.30	2335-5.7			20			13	9
DEG	MIN	DAY	MO	YR	HR	MIN	(°C)	(°C)	(mb)
57	06	01	08	23	35	-5	7		20
LATITUDE	LONGITUDE	TIME (GMT)	DRY BULB	WET BULB	PRESSURE	SEA STATE	VISIBILITY	WIND DIRL	WIND SPD
57.11	18.30	2335-5.7			20			13	9
DEG	MIN	DAY	MO	YR	HR	MIN	(°C)	(°C)	(mb)
57	06	01	08	23	35	-5	7		20
LATITUDE	LONGITUDE	TIME (GMT)	DRY BULB	WET BULB	PRESSURE	SEA STATE	VISIBILITY	WIND DIRL	WIND SPD
57.11	18.30	2335-5.7			20			13	9
DEG	MIN	DAY	MO	YR	HR	MIN</			

ICE LOG: Surface Ice Conditions or proximity to ice edge

Rosette Notes:

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VESSEL		CRUISE ID		PROJECT & LEG		Ship Designation (I.D.)		STATION NO.								
USCG Healy		H10802		BEST/BSIERP Spring'08		H10802		139								
CONSC	LATITUDE	LONGITUDE		TIME (GMT)		DRY BULB	WET BULB	PRESSURE	SEA STATE	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)		
1945846	55 N	17017.61	W 03 MAY 08	0144	-3.9		18			356	12			7270M	30	
SBE 9+	FLUOR S/N	REMARKS														
PRESS SN	SBE43-Oxy (prime)	MAX DEPTH = m														
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	Wetpartner	Gelbmeier	Masha	Sambrotto	Harvey	Moran/	DIC	Shul	Sherr	Pat	Karin	NIS	
No.	DESIGNED	notes	SALT	NUTS	O2-Btl No	O2 Temp	CHL	Frac CHL	OTB	Cooper	b15N	O2/AI	N	Prod	DON	
1	67			118	167	-1.6			331							1
2	60			119			LA-6 LB-6									2
3	50			120			LA-5 LB-5									3
4	40			121			LA-4 LB-4									4
5	30			122			LA-3 LB-3									5
6	20			123			LA-2 LB-2									6
7	10			124			LA-1 LB-1									7
8	0			125												8
9																9
10																10
11																11
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/BSIERP_Spring'08		1H0802		140																																									
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)																					
145		58 37		170 16		149 W 03 APR 08		03 08		-5.1				17				348		20								007270M29																					
SBE 9+				FLUOR S/N				REMARKS																						MAX DEPTH = m																			
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		Rosel.		Hydro Team-FMEL		Wetgauer		Gebmelter		Masha		Sambroto		Harvey		Moran/		DIC		Shull		Sherr		Pat		Katrin		NIS																			
No		DESIRED		notes		SALT		NITS		02-BULB		02 Temp		CHL.		Frac CHL.		018		Cooper		015N		02/Ar		N		Prod		DON		Lessard		Lomas		ALK		Radon		Sherr		Pat		Katrin		NIS			
1		68						126										334																														1	
2		60						127																																						2			
3		50						128																																						3			
4		40						129																																						4			
5		30						130																																						5			
6		20						131																																						6			
7		10						132																																						7			
8		0						133		168		-1.5		LA-1				336																												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_Spring'08		Ship Designation (I.D.) H10802		STATION NO. 141																		
CONSC CAST #	DEG	MIN	LATITUDE	DEG	MIN	LONGITUDE	DAY	MO	YR	HR	MIN	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		
156	58	26	41	N	17	01	17	W	03	APR	08	04	27	-4	.8				17						7470	M28
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																										
MAX DEPTH = _____ m																										

No.	DEPTH	Roset.	notes	Hydro Team-PMEL		CHL	Frac CHL	O18	Cooper	Masha	Sambrotto	Harvey	Moran/ Lomas	DIC	Shull	Sherr	Pat	Katrin	No.
				SALT	NUTS														
1	68				134	205	-1.4		337										1
2	60				135														2
3	50				136														3
4	40				137														4
5	30				138														5
6	20				139														6
7	10				140														7
8	0				141														8
9																			9
10																			10
11																			11
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/BSIERP_Spring'08		H10802		142													
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)		
197	58	16	82	N	17	05	90	W	03	May	08	0536	4.9		16			359	16	7270	W27
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	Grebmeier	Masha	Sambrotto	Harvey	Moran/	DIC	Shull	Sher	Pat	Karin	NIS						
NO.	DESIRED	notes	SALT	NUTS	O2 BL/No	O2 Temp	CHL	Frac CHL	OT8	Cooper	W15N	O2/Ar	N	Prod	DON	Lessard	Lomas	ALK	Radon	Th	No.
1	65			142					340												1
2	60			143																	2
3	50			144																	3
4	40			145																	4
5	30			146																	5
6	20			147																	6
7	10			148																	7
8	0			149	217	-1.4	LA-1		342												8
9																					9
10																					10
11																					11
12																					12

ICE LOG: Surface Ice Conditions or proximity to ice edge

Rosette Notes:

[illegible]

Rosette Notes:

3320

VESSEL	CRUISE ID	PROJECT & LEG	Shp Designation (I.D.)	STATION NO.																						
USCG Healy	H10802	BEST/BSIERP_Spring'08	110802	144																						
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											
1995802.44 N	16940.99 W	03 MAY 08	0814-5.2	. . .	16	*	*	(deg)	(kts)	* *	(m)			7070M25												
SBE 9+		FLUOR S/N																								
PRESS SN		SBE43-Oxy (prime)																								
PAR TEMP SN		SBE43-Oxy (sec)																								
SEC TEMP SN		Transmissometer																								
PAR COND SN		PAR S/N																								
SEC COND SN		O2 Temp Sensor No.																								
NIS	DEPTH	Roset.	Hydro Team/PNEL	Weingartner	Gedemeier	Masha	Sambrotto	Harvey	Moranv	DIC	Stull	Sherf	Pat	Katrin	Nis											
No	DESIDED	notes	SALT	NUTS	O2-BTLNo	O2 Temp	CHL.	Frac CHL.	O18	Cooper	a1SN	OZ/Air	N Prod	DON	Lessard	Lomas	ALK	Radon								No
1	67			15g			-6																			1
2	50		B/1	15g			-5																			2
3	40		B/2	160			-4																			3
4	30			161			-3																			4
5	20			162			-2																			5
6	10			163																						6
7	0		B/4	164	220	-1.6	A.I.																			7
8																										8
9																										9
10																										10
11																										11
12																										12

REMARKS

 STD

 MAX DEPTH = 67 m

Rosette Notes:

Rosette Notes:

VESSEL USCG Healy		CRUISE ID H10802		PROJECT & LEG BEST/BSERP_Spring'08		Ship Designation (I.D.) H10802		STATION NO. 145											
CONSC CAST #	DEG	LATITUDE MIN	DEG	LONGITUDE MIN	DAY	MO	YR	TIME (GMT) HR MIN	DRY BULB (°C)	WET BULB (°C)	PRESSURE (mb)	SEA STATE *	VISIBILITY *	WIND DIRN. (deg)	WIND SPD. (kts)	CLOUD (amt) *	WEATHER *	BOTTOM DEPTH (m)	STA. NAME/ID
R0052	52	51	N	16922.27	W	03	MAY	08	0940	-5.7		15		014	15			6870m	24
SRE 9+																			
PRESS SN																			
PR1 TEMP SN																			
SEC TEMP SN																			
PR1 COND SN																			
SEC COND SN																			
		Roset.		Hydro Team-PHCL		Wingartner		Grebmeier	Masha		Sambrotto		Harvey	Moran/	DIC	Shull	Sher	Pat	Katrin
No	DEPTH	notes	SALT	NUTS	O2-Btl.No	O2 Temp	CHL	Frac CHL	018	Cooper	δ15N	O2/Ar	N	Prod	DOH	Lassard	Lomas	ALX	Radon
1	64			165	222	-1.7			349										
2	60		B/S	166															
3	50			167			-6												
4	40			168			-5												
5	30		B/S	169			-4												
6	20			170			-3												
7	10		B/S	171			-2		347										
8	0			172			-1		346										
9																			
10																			
11																			
12																			

ICE LOG: Surface Ice Conditions or proximity to ice edge

REMARKS: STD

MAX DEPTH = m

1800 5x202
 1600-5x202
 200x.*
 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		147																	
CONSC	DEG	LATITUDE	DEG	MIN	LONGITUDE	DEG	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
2003	5735	13 N	169	37	51 W	03	MAY	08	15	02	5	7	14	007	13	12	NP86								
SSE 9+																									
PRESS SN																									
PRI TEMP SN																									
SEC TEMP SN																									
PRI COND SN																									
SEC COND SN																									
NIS		DEPTH	Roset.	Hydro Team-FWEL	Weingartner		Grebmeier	Masha	Sambrotto	Harvey	Moran/	DIC	Snul	Sherr	Pat	Katrin	NIS								
No.	DESIRED	notes	SALT	NUTS	O2-BU No	O2 Temp	CHL.	Frac CHL.	O18	Cooper	015N	O2/Ar	N	Prod	DON	Lessard	Lomas	ALK	Radon						
1	38			B1																					
2	25			B2																					
3	20			B3																					
4	15			B4																					
5	10			B5																					
6	10																								
7	0			D/10 B6																					
8	0																								
9	0																								
10	5			D/11 B7																					
11	5																								
12	0			D/13																					

REMARKS
 PROD cast
 Put back in to get 5m bottle. Had to restart SASAVE: used data file CTD203

MAX DEPTH = m

[illegible]

Rosette Notes:

[illegible]

VESSEL		CRUISE ID		PROJECT & LEG		Ship Designation (I.D.)		STATION NO.															
USCG Healy		H10802		BEST/BSIERP_Spring'08		1H0802		15c															
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)								
206	58 07.86 N	168 58.23 W		03 MAY 08	22 44	-6.4	.	12	*	3	46	15	*	*	72	W186							
SBE 9+	FLUOR S/N		REMARKS																				
PRESS SN	SBE43-Oxy (prime)		MAX. DEPTH = m																				
PRI TEMP SN	SBE43-Oxy (sec)																						
SEC TEMP SN	Transmissometer																						
PRI COND SN	PAR S/N																						
SEC COND SN	O2 Temp Sensor No.																						
MS	DEPTH	Roset.	Hydro Team-PMEL	Weingartner	Gebmeyer	Masha	Sambrotto	Harvey	Moran/	DIC	Shull	Sherr	Pat	Katrin	MS								
No	DESIRED	notes	SALT	NITS	O2-BULB	O2 Temp	CHL.	Frac CHL.	O18	Cooper	M15N	O2/Ar	N	Prod	DON	Lessard	Lomas	ALK	Radon	Sherr	Pat	Katrin	No
1	67			194	146	-1.6																	1
2	60			195																			2
3	50			196																			3
4	40			197																			4
5	30			198																			5
6	20			199																			6
7	10			200																			7
8	0			201																			8
9																							9
10																							10
11																							11
12																							12

ICE LOG: Surface Ice Conditions or proximity to ice edge

Rosette Notes:

260

Rosette Notes:

[illegible]

Rosette Notes:

Rosette Notes:

[illegible]

VESSEL USCG Healy		CRUISE ID H10802		PROJECT & LEG BEST/BSERP Spring'08		Ship Designation (I.D.) H10802		STATION NO. 155																																							
CONSC CAST #		LATITUDE DEG MIN		LONGITUDE DEG MIN		TIME (GMT) HR MIN		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																	
211		5237.65 N		16849.69 W		04		0806-4.7		.		11						346		16								7070M20																			
SEC 9+ PRESS SN PRI TEMP SN SEC TEMP SN PRI COND SN SEC COND SN		FLUOR S/N SBE43-Oxy (pHme) SBE43-Oxy (sec) Transmissometer PAR S/N O2 Temp Sensor No.																																													
REMARKS																																															
SID																																															
MAX DEPTH =																																															
No.		DEPTH		Roset.		Hydro Team-FMEL		Weingartner		Grebmeier		Masha		Sambrotto		Harvey		Moran/		DIC		Snell		Sherr		Pat		Karin		No.																	
No.		DEPTH		notes		SALT		NLTS		O2-BL No		O2 Temp		CHL		Frac CHL		O18		Cooper		O15N		O2/Ar		N		Prod		DON		Lessard		Lomas		ALK		Radon		Sherr		Pat		Karin		No.	
1		65		F/1		234																																									
2		60				235																																									
3		50				236																																									
4		40				237																																									
5		30				238																																									
6		20		F/2		239																																									
7		10		F/3		240																																									
8		0				241		169		-1.3		LA-1																																			
9																																															
10																																															
11																																															
12																																															

ICE LOG: Surface Ice Conditions or proximity to ice edge

Rosette Notes:

[illegible]

Rosette Notes:

VESSEL USCG Healy		CRUISE ID H10802		PROJECT & LEG BEST/BSERP_Spring'08		Ship Designation (I.D.) 1H0802		STATION NO. 157																																			
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													
2135731		25 N		16818.43 W		04 MAY 08		1125-4.4		.4		10		32515		7170m		18																									
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)																																							
PRT TEMP SN				SBE43-Oxy (sec)																																							
SEC TEMP SN				Transmissometer																																							
PRT COND SN				PAR S/N																																							
SEC COND SN				02 Temp Sensor No.																																							
NIS		DEPTH		Roset.		Hydro Team-PHEL		Wetgarnier		Gebmeyer		Mashta		Sambrotto		Harvey		Moran/		DIC		Snul		Sherr		Pat		Katrin		NIS													
No.		DESIRED		notes		SALT		NUTS		02-BULNO		02 Temp		CHL		Frac CHL		018		Cooper		015N		02/Ar		N		Prod		DON		Lessard		Lomas		ALX		Radon		Th		No.	
1		67				9																																					
2		60		F/4		16																																					
3		50				11																																					
4		40				12																																					
5		30				13																																					
6		20		F/5		14																																					
7		10		F/6		15																																					
8		0				16		* 142		-1.1		CA-1																															
9																																											
10																																											
11																																											
12																																											

ICE LOG: Surface Ice Conditions or proximity to ice edge

Rosette Notes:

2370

[illegible]

VESSEL USCG Healy		CRUISE ID H10802		PROJECT & LEG BEST/BSIEP_Spring'08		Ship Designation (I.D.) H10802		STATION NO. 159																																													
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. (deg)	WIND SPD. (kts)	CLOUD (amt) *	TYPE *	WEATHER *	BOTTOM DEPTH (m)	STA. NAME/ID																													
2155730	30	09 N		167	39		06	W	04	MAY	08	1431	-3.9		10			341	16					7220M	16																												
SBE 9+		FLUOR S/N		SBE43-Oxy (prime)		SBE43-Oxy (sec)		Transmissometer		PAR S/N		REMARKS SID																																									
PRESS SN		SEC TEMP SN		SEC TEMP SN		SEC COND SN		O2 Tmp Sensor No.		MAX DEPTH = m																																											
SEC COND SN		O2 Tmp Sensor No.																																																			
NIS		DEPTH		Roset.		Hydro Team-PMEL		Wetgartner		Grebeiner		Masfa		Sambrotto		Harvey		Moran/		DIC		Shull		Sherr		Pat		Katin		NIS																							
No.		DESIRED		notes		SALT		NUTS		O2-BU/NO		O2 Temp		CHL		Frac CHL		018		Cooper		01SN		O2/Ar		N		Prod		DON		Lessard		Lomas		ALK		Radon		Sherr		Pat		Katin		NIS							
1		68		F/7		31																																															
2		60				32																																															
3		50				33																																															
4		40				34																																															
5		30				35																																															
6		20				F/8		36																																													
7		10				37																																															
8		0				F/9		38																																													
9																																																					
10																																																					
11																																																					
12																																																					

ICE LOG: Surface Ice Conditions or proximity to ice edge

Rosette Notes:

2790

[illegible]

Rosette Notes:

2130

Rosette Notes:

ICE LOG: Surface Ice Conditions or proximity to ice edge

VESSEL USCG Healy		CRUISE ID H10802		PROJECT & LEG BEST/BSEBP_Spring 08		Ship Designation (I.D.) H10802		STATION NO. 161																											
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					
2175731		.97 N		16701.88 W		04 MAY 08		1728		3.6		.04		*		*		336		16		*		*		*		7170M14							
DEG		MIN		DEG		MIN		DAY		MO		YR		HR		MN		(°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		Grebnmeter		Masha		Sanbroto		Harvey		Moran/		DIC		Shull		Sherr		Pat		Katrin		No.					
1		66				41		360																						1					
2		60		F/10		42																								2					
3		50				43																								3					
4		40				44																								4					
5		30				45																								5					
6		20		F/11		46																								6					
7		10		F/12		47																								7					
8		0				48																								8					
9																														9					
10																														10					
11																														11					
12																														12					

REMARKS

STD

MAX. DEPTH = 66 m

VESSEL		CRUISE ID		PROJECT & LEG		SHIP DESIGNATION (I.D.)		STATION NO.												
USCG Healy		H10802		BEST/BSERP_Spring 08		110802		163												
CONSC	DEG	LATITUDE	DEG	LONGITUDE	MIN	DAY	MO	YR	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						HR	MIN	(°C)	(°C)	(mb)	*	(deg)	(kts)	*	*	(m)	
21957	25	87 N	16631	72 W	04	APR	08	1959	-3	0		09			325	13			6970	M12
REMARKS																				
MAX DEPTH =																				
SBE 9+ _____ FLUOR S/N _____																				
PRESS SN _____ SBE43-Oxy (prime) _____																				
PRT TEMP SN _____ SBE43-Oxy (sec) _____																				
SEC TEMP SN _____ Transmissometer _____																				
PRT COND SN _____ PAR S/N _____																				
SEC COND SN _____ O2 Temp Sensor No. _____																				
NO	DEPTH	Roset.	Hydro Team/PMEL	Wetganner	Grebmeier	Mashta	Sambrotto	Harvey	Moran/	DIC	Shull	Sherr	Pat	Karin	Mis					
DESIGNED	notes	SALT	NUTS	O2-Btl/No	O2 Temp	CHL	Frac CHL	O18	Cooper	O15N	O2/Ar	N Prod	DON	Lassard	Lomas	ALK	Radon		Th	
1	65		57					364												
2	60		58																	
3	56		59			LA-6														
4	40		60			LA-5														
5	30		61			LA-4														
6	20		62			LA-3														
7	10		63			LA-2		365												
8	0		64	144	-1.4	LA-1		366												
9																				
10																				
11																				
12																				

ICE LOG: Surface Ice Conditions or proximity to ice edge

Rosette Notes:

500

[illegible]

VESSEL USCG Healy		CRUISE ID H10802		PROJECT & LEG BEST/BSIERP_Spring'08		Ship Designation (I.D.) H10802		STATION NO. 166																	
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. (deg)	WIND SPD. (kts)	CLOUD (amt)	TYPE	WEATHER	BOTTOM DEPTH (m)	STA. NAME/ID	
22257	15.61	N		16544.87	W		04	MAY	08	23	55	-2.1			08			310	12					6970m	09
SBE 9+		FLUOR S/N		SBE 43-Oxy (prime)		SBE 43-Oxy (sec)		Transmissometer		PAR S/N		O2 Temp Sensor No.		REMARKS											
PRESS SN		SBE 43-Oxy (prime)		SBE 43-Oxy (sec)		Transmissometer		PAR S/N		O2 Temp Sensor No.		MAX DEPTH =													
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.															

NS	DEPTH	Roset.	Hydro Team-PNEL	Wetgarter	Grebner	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	Th	No.
1	67					159	-1.3			523										1
2	60																			2
3	50						LA6													3
4	40						LA5													4
5	30						LA4													5
6	20						LA3													6
7	10						LA2			324										7
8	0						LA1			325										8
9																				9
10																				10
11																				11
12																				12

ICE LOG: Surface Ice Conditions or proximity to ice edge

Rosette Notes:

230

[illegible]

VESSEL USCG Healy		CRUISE ID H10802		PROJECT & LEG BEST/BSERP_Spring'08		Ship Designation (I.D.) H10802		STATION NO. 169																																	
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											
22556		51.51 N		16507.24 W		05 MAY 08		0359-2.3		08		08		29616		7520406																									
DEG		MIN		DEG		MIN		DAY		MO		YR		HR		MIN		(°C)		(°C)		(mb)		*		*		(deg)		(kts)		* * *		(m)							
SEC 9+		SEC SN		SEC TEMP SN		SEC COND SN		FLUOR S/N		SBE43-Oxy (prime)		SBE43-Oxy (sec)		Transmissometer		PAR S/N		O2 Temp Sensor No.		REMARKS		MAX DEPTH =		m																	
No		DEPTH		Roset.		Hydro Team-PMEL		Weingartner		Grebeiner		Mashta		Sanbroto		Harvey		Moran/		DIC		Shul		Sherr		Pat		Katrin		Mis											
DESRED		notes		SALT		NUTS		O2-BU/NO		O2 Temp		CHL		Frac CHL		O18		Cooper		015N		O2/Ar		N		Prod		DON		Lassard		Lomas		ALK		Radon		Th		No	
1		70				105										329																									
2		60				106																																			
3		50				107																																			
4		40				108																																			
5		30				109																																			
6		20				110																																			
7		10				111																																			
8		0				112		078		-1.1		113		-1		380																									
9																																									
10																																									
11																																									
12																																									

ICE LOG: Surface Ice Conditions or proximity to ice edge

Rosette Notes:

440

Rosette Notes:

[illegible]

[illegible]

260

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/BSIERP_Spring'08		T10802		172																						
CONSC	DEG	LATITUDE	DEG	LONGITUDE	MIN	DAY	MO	YR	TIME (GMT)	DRY BULB	WET BULB	PRESSURE	SEA STATE	VISIBILITY	WIND DIRN.	WIND SPD.	CLOUD (amt)	WEATHER	BOTTOM DEPTH	STA. NAME/ID										
2285649	49	83 N	164	19	22	W	05	MAY	08	07	26	-11.6	08	08	292	15	75	70	44	5										
SBE 9+		FLUOR S/N		SBE 43-Oxy (prime)		SBE 43-Oxy (sec)		Transmissometer		PAR S/N		O2 Temp Sensor No.		REMARKS																
PRESS SN		SBE 43-Oxy (prime)		SBE 43-Oxy (sec)		Transmissometer		PAR S/N		O2 Temp Sensor No.		STD																		
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.																				
NIS		Rosett		Hydro Team PMEL		Weingartner		Grebmeier		Masha		Sambrotto		Harvey		Moran/		DIC		Shull		Sherr		Pat		Katrin		NIS		
No	DEPTH	notes	SALT	MUTS	O2-Btl No	O2 Temp	CHL	Frac CHL	O18	Cooper	01SN	O2/Air	N	Prod	DON	Lessard	Lomas	ALK	Radon	Th	No	No	No	No	No	No	No	No		
1	67			129	231	-0.3			390																					
2	60			130																										
3	50			131			-6																							
4	40			132			-5																							
5	30			133			-4																							
6	20			134			-3																							
7	10			135			-2																							
8	0			136			-1																							
9																														
10																														
11																														
12																														

MAX DEPTH = m

Rosette Notes:

1700

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/BSIEEP_Spring 08		110802		174																					
CONSC CAST #	DEG	LATITUDE		DEG	LONGITUDE		DAY	MO	YR	TIME (GMT)	DRY BULB	WET BULB	PRESSURE	SEA STATE	VISIBILITY	WIND DIRN.	WIND SPD.	CLOUD (amt)	TYPE	WEATHER	BOTTOM DEPTH	STA. NAME/ID							
2305647	18N	16356.89W		05	MAY		08	10	16	-1.5	08	29	013								7370m	01							
SBE 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.		STD																	
PRI TEMP SN		SBE43-Oxy (prime)		SBE43-Oxy (sec)		Transmissometer		PAR S/N		O2 Temp Sensor No.		End of the line!																	
SEC TEMP SN		SBE43-Oxy (prime)		SBE43-Oxy (sec)		Transmissometer		PAR S/N		O2 Temp Sensor No.		MAX DEPTH = 69 m																	
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.																			
DEPTH		Rosette		Hydro Team-PWEL		Weingartner		Grebeiner		Mascha		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	Lassard	Lomas	ALK	Radon	Sherr	Pat	Katrin	Nis	No					
1	69			145	241	-0.9			356															1					
2	60			146																				2					
3	50			147			-6	-6																3					
4	40			148			-5	-5																4					
5	30			149			-4	-4																5					
6	20			150			-3	-3																6					
7	10			151			LA-2	LA-2	355															7					
8	0			152			LA-1	LA-1	391															8					
9																								9					
10																								10					
11																								11					
12																								12					

Bottle #1 did NOT fire.

1250

VESSEL USCG Healy		CRUISE ID H10802		PROJECT & LEG BEST/BSERP Spring'08		Ship Designation (I.D.) 1H0802		STATION NO. 177																															
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											
234		DEG MIN		DEG MIN		DAY MO YR		HR MIN		°C		°C		(mb)		*		(deg)		(kts)		* * *		* * *		(m)		70 12M6											
2335659.64 N		16353.79 W		05 MAY 08		1646		-11.7				08				298		13																					
SEC 9+ PRESS SN PRI TEMP SN SEC TEMP SN PRI COND SN SEC COND SN		FLUOR S/N SBE43-Oxy (prime) SBE43-Oxy (sec) Transducer PAR S/N O2 Temp Sensor No.		REMARKS STD		MAX DEPTH =																																	
No. DESIRED		notes		SALT		MUTS		O2-B/LNO		O2 Temp		CHL		Frac CHL		O18		Cooper		Masha		Sambrotto		Harvey		Moran/		DIC		Shull		Sherr		Pat		Karin		Ns	
1		66				1166		120*		-1.2																													
2		60				1167																																	
3		50				1168																																	
4		40				1169																																	
5		30				1170																																	
6		20				1171																																	
7		10				1172																																	
8		0				1173																																	
9																																							
10																																							
11																																							
12																																							

ICE LOG: Surface Ice Conditions or proximity to ice edge

Rosette Notes:

SEASIDE DATA ACQUISITION STOPPED/RESTARTED AT BOTTOM OF CAST.

DOWNCAST = CT0233
UPCAST/ROTALS ~ CT0234

[illegible]

ICE LOG: Surface Ice Conditions or proximity to ice edge

REMARKS

Rosette Notes:

VESSEL USCG Healy		CRUISE ID 1H0802		PROJECT & LEG BEST/BSLRP_Spring'08		Ship Designation (I.D.) 1H0802		STATION NO. 180																																							
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																	
237		56 25.36 N		165 18.55 W		06 MAY 08		0032-1.0		.0		1.0		3		5		3		03		87		CN10																							
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)				Transducer				PAR S/N				O2 Temp Sensor No.																							
PRESS SN				SBE43-Oxy (prime)				SBE43-Oxy (sec)				Transducer				PAR S/N				O2 Temp Sensor No.																											
PRI TEMP SN				SBE43-Oxy (prime)				SBE43-Oxy (sec)				Transducer				PAR S/N				O2 Temp Sensor No.																											
SEC TEMP SN				SBE43-Oxy (prime)				SBE43-Oxy (sec)				Transducer				PAR S/N				O2 Temp Sensor No.																											
PRI COND SN				SBE43-Oxy (prime)				SBE43-Oxy (sec)				Transducer				PAR S/N				O2 Temp Sensor No.																											
SEC COND SN				SBE43-Oxy (prime)				SBE43-Oxy (sec)				Transducer				PAR S/N				O2 Temp Sensor No.																											
NIS		DEPTH		Roset.		Hydro Team/PMEL		Weingartner		Gebmeier		Mashta		Sambrotto		Harvey		Moran/		DIC		Shull		Sherr		Pat		Katrin		NIS																	
NO.		DES/RED		notes		SALT		MLTS		O2-Btl/No		O2 Temp		CHL.		Frac CHL.		018		Cooper		015N		O2/Ar		N		Prod		DON		Lessard		Lomas		ALK		Radon		Sherr		Pat		Katrin		NIS	
1		82				190																																									
2		60				191																																									
3		50				192																																									
4		40				193																																									
5		30				194																																									
6		20				195																																									
7		10				196																																									
8		0				197																																									
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. 181																																					
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																	
2385616		71 N		16542.21 W		06 MAY 08		0152-09.6		09		09		07268		95		C/N11																											
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 Sensor No.		REMARKS		MAX. DEPTH =		m																											
PRESS SN		SBE43-Oxy (prime)		SBE43-Oxy (sec)		Transmissometer		PAR S/N		O2 Temp Sensor No.		REMARKS		MAX. DEPTH =		m																													
PRI TEMP SN		SBE43-Oxy (prime)		SBE43-Oxy (sec)		Transmissometer		PAR S/N		O2 Temp Sensor No.		REMARKS		MAX. DEPTH =		m																													
SEC TEMP SN		SBE43-Oxy (prime)		SBE43-Oxy (sec)		Transmissometer		PAR S/N		O2 Temp Sensor No.		REMARKS		MAX. DEPTH =		m																													
PRI COND SN		SBE43-Oxy (prime)		SBE43-Oxy (sec)		Transmissometer		PAR S/N		O2 Temp Sensor No.		REMARKS		MAX. DEPTH =		m																													
SEC COND SN		SBE43-Oxy (prime)		SBE43-Oxy (sec)		Transmissometer		PAR S/N		O2 Temp Sensor No.		REMARKS		MAX. DEPTH =		m																													
NIS		Roset.		Hydro Team-PMEL		Weingartner		Grebner		Mascha		Sambrotto		Harvey		Moran/		DIC		Shull		Sherr		Pat		Katrin		NIS																	
DEPTH		notes		SALT		NUTS		O2-BU No		O2 Temp		CHL		Frac CHL		O18		Cooper		015N		O2/Ar		N		Prod		DON		Lessard		Lomas		ALK		Radon		Sherr		Pat		Katrin		NIS	
1		90		194		200		LA-6																																					
2		60		199		200		LA-6																																					
3		50		201		202		LA-6																																					
4		40		201		202		LA-6																																					
5		30		202		203		LA-4																																					
6		20		203		204		LA-3																																					
7		10		205		206		LA-2																																					
8		0		205		206		LA-1																																					
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		Ship Designation (I.D.) 1H0802		STATION NO. 182																																					
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															
2395608.47 N		16606.23 W		06 MAY 08		0336-0.2		08		08514		112		CN12																															
SBE 9+ PRESS SN SEC TEMP SN PRI COND SN SEC COND SN		FLUOR S/N SBE43-Oxy (prme) SBE43-Oxy (sec) Transmissometer PAR S/N O2 Temp Sensor No.																																											
NLS DEPTH		Roset.		Hydro Team-FMEL		Weingartner		Grebmeier		Mashta		Sambrotto		Harvey		Moran/		DIC		Shull		Sherr		Pat		Katrin		NLS																	
No. DESIRED		notes		SALT		NUTS		O2-Btl No		O2 Temp		CHL.		Frac CHL.		O18		Cooper		O15N		O2/Ar		N		Prod		DON		Lessard		Lomas		ALK		Radon		Sherr		Pat		Katrin		NLS	
1 105						207																																							
2 75						208																																							
3 50						209																																							
4 40						210																																							
5 30						211																																							
6 20						212																																							
7 10						213																																							
8 0						214		160		0.9		LB-1																																	
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.) 110802		STATION NO. 183																
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 (m)	STA. NAME/ID	
24055	59	70 N		166	30.01		W	06	M	A	Y	08	0504	+0.4				07		090	18		0130	CN/15
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) Transmissometer PAR S/N 02 Temp Sensor No.		REMARKS																				
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) Transmissometer PAR S/N 02 Temp Sensor No.		MAX DEPTH = m																				
NO	DEPTH	Roset.	Hydro Team: PMEL	Wiegmann	Grebner	Masha	Sambrotto	Harvey	Moran/	DIC	Shull	Sherr	Pat	Karin	NO									
NO	DESIRED	notes	SALT	NUTS	02-BU No	02 Temp	CHL.	Frac CHL.	018	Cooper	015N	02/Ar	N	Prod	DON	Lessard	Lomas	ALX	Radon					
1	124			215	214	2.9					✓													1
2	100			216							✓													2
3	75			217							✓													3
4	50			218			LA-6				✓													4
5	40			219			LA-5				✓													5
6	30			220			LA-4				✓													6
7	20			221			LA-3				✓													7
8	10			222			LA-2				✓													8
9	0			223	X		LA-1				✓													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.) H10802		STATION NO. 184													
CONC CAST #	DEG	LATITUDE MIN		DEG	LONGITUDE MIN		DAY	MO	YR	TIME (GMT)	DRY BULB	WET BULB	PRESSURE	SEA STATE	VISIBILITY	WIND DIRN	WIND SPD	CLOUD (amt)	WEATHER	BOTTOM DEPTH	STA. NAME/ID
24155511.11	N	16654.06		W	06		M	A	Y	08	0635	+0.2	05	*	*	(deg)	(kts)	*	*	138	CN14
SBE 9+ _____ FLUOR S/N _____ PRESS SN _____ SBE 43-Oxy (prime) _____ PRI TEMP SN _____ SBE 43-Oxy (sec) _____ SEC TEMP SN _____ Transducer _____ PRI COND SN _____ PAR S/N _____ SEC COND SN _____ O2 Temp Sensor No. _____																					
REMARKS																					
MAX DEPTH = _____ m																					

NO	DEPTH	Roset.	Hydro Team	PMEL	O2-Btl No	O2 Temp	CHL.	Frac CHL.	Weingartner	Greiner	Masha	Sambrotto	Harvey	Moran/	DIC	Shull	Sherr	Pat	Katrin	NO
NO	DESIRED	notes	SALT	NUTS					018	Cooper	015N	O2/Air	N	Prod	DON	Lessard	Lomas	ALK	Radon	Th
1	131			224																1
2	100			225																2
3	75			226																3
4	50			227																4
5	40			228																5
6	30			229																6
7	20			230																7
8	10			231																8
9	0			232																9
10																				10
11																				11
12																				12

ICE LOG: Surface Ice Conditions or proximity to ice edge

Rosette Notes: