

[illegible]

[illegible]

VESSEL		CRUISE ID		PROJECT & LEG		Ship Designation (I.D.)		STATION NO.													
USCG Healy		H10803		BEST/BSERP Summer '08		H10802		78													
CONSC	DEG	LATITUDE	MIN	DEG	MIN	DAY	MO	YR	HR	MIN	DRY BULB	WET BULB	PRESSURE	SEA STATE	VISIBILITY	WIND DIRN.	WIND SPD.	CLOUD (amt)	WEATHER	BOTTOM DEPTH	STA. NAME/ID
0885637	77	N		17041	65	W	18	JUL	08	1201	7.6			12			28330			115m	12.5
REMARKS																					
FEC/GD																					
MAX DEPTH = 110 m																					

[illegible]

[illegible]

VESSEL		CRUISE ID		PROJECT & LEG		Ship Designation (I.D.)		STATION NO.											
USCG Healy		H10803		BEST/BSIERP Summer '08		H10802		80											
CONSC	CASE #	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
6925555	21N	17126		84W		18 JUL 08		2351	8.8	7.6	144722	214	8	303	NP158				
SBE 9+ _____ FILLOR 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 Iron cast from CTD																			
MAX. DEPTH = 496 m																			
NO	DEPTH	ROSET.	HYDRO TEAM	PMEL	O2-BU, NO	O2 Temp	CHL.	FRAC CHL.	DIC	Tom W	Gabnet	Masha	Sambrotto	Harvey	Moran/	Shull	Stoeker	Pat	NO
1	500		6/F	67	168														1
2	300		8/F	68	144														2
3	200		9/F	9	147														3
4	150		10/F	70	219														4
5	100		11/F	71															5
6	75			72															6
7	50			73															7
8	40			74															8
9	30			75															9
10	20			76															10
11	10			77															11
12	0			78															12

5.5.5

[illegible]

VESSEL USCG Healy		CRUISE ID H10803		PROJECT & LEG BEST/BSIEP Summer '08		Ship Designation (I.D.) H10802		STATION NO. 82																																			
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													
0945627.12N		121.22.02W		19 JUL 08		1045		8.1		.11		29313		15245-3																													
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.																							
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.																							
NIS DEPTH		Roset.		Hydro Team-PHEL				Tom W		Grebnk		Mascha		Sambrotto		Harvey		Moran/		Shull		Stoeber		Pat																			
No.		DESIRED		notes		SALT		NUTS		O2-Btl.No		O2 Temp		CHL.		Frac CHL.		DIC		O18		Coopel		015N		O2/Ar		Prod		DON		Lessard		Lomas		Radon		uZoops		Th			
1		150				16/17		88		145																																	
2		125						89		187																																	
3		100						90																																			
4		75						91																																			
5		50						92																																			
6		40						93																																			
7		30						94																																			
8		20						95																																			
9		10				17/18		96																																			
10		0						97																																			
11																																											
12																																											

CTD STD

- CAL MAX AT 30m

REMARKS

MAX DEPTH =

m

VESSEL	CRUISE ID	PROJECT & LEG	Ship Designation (I.D.)	STATION NO.																	
USCG Healy	H10803	BEST/BSEIRP_Summer '08	H10802	62																	
CONSC CAST #	DEG	LATITUDE MIN	LONGITUDE MIN	TIME (GMT) HR MIN	DRY BULB (°C)	WET BULB (°C)	PRESSURE (mb)	SEA STATE *	VISIBILITY *	WIND DIR. (deg)	WIND SPD. (kts)	CLOUD (amt) *	TYPE WEATHER	BOTTOM DEPTH (m)	STA. NAME/ID						
6955626.82 N			17121.78 W	19 JUL 08	1145	8.1	.11	.	.	293	15	.	.	15345-3							
SSE 9+			FILIOR S/N																		
PRESS SN			SBE43-Oxy (prime)																		
PRI TEMP SN			SBE43-Oxy (sec)																		
SEC TEMP SN			Transmissometer																		
PRI COND SN			PAR S/N																		
SEC COND SN			O2 Temp Sensor No.																		
NIS	DEPTH	Roset:	Hydro Team-PNEL	Tow W	Gebrek	Masha	Sambrotto	Harvey	Moran/ Lomas	Shull	Stoeker	Pat	NIS								
No	DESIRED	notes	SALT	NUTS	O2-Btl.No	O2 Temp	CHL	Frac CHL	DIC	O18	Coope	b1SN	O2/Ar	Prod	DON	Iessard	Lomas	Radon	μZoops	Th	No
1	20																				1
2	20																				2
3	20																				3
4	20																				4
5	20																				5
6																					6
7																					7
8																					8
9																					9
10																					10
11																					11
12																					12

REMARKS: ZOOPS!

MAX DEPTH = m

[illegible]

VESSEL USCG Healy		CRUISE ID H10803		PROJECT & LEG BEST/BSERP-Summer '08		Ship Designation (I.D.) 140802		STATION NO. 83																																							
CONSC CAST #		LATITUDE DEG MIN		LONGITUDE DEG MIN		TIME (GMT) HR MIN		DRY BULB (°C)		WET BULB (°C)		PRESSURE (mb)		SEA STATE *		VISIBILITY (deg)		WIND DIRN. (kts)		WIND SPD. (kts)		CLOUD (amt)		TYPE *		WEATHER *		BOTTOM DEPTH (m)		STA. NAME/ID																	
0975659		23 N		17017.39 W		19 JUL 08		1839		6.0		.12		3		0013		67		N711																											
SBE 9+				FLUOR S/N																																											
PRESS SN				SBE43-Oxy (online)																																											
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		Tom W		Grabme		Masha		Sambrotto		Harvey		Moran/		Shull		Stoeker		Pat																							
No		DESIRED		notes		SALT		NUTS		O2-Btl No		O2 Temp		CHL		Frac CHL		DIC		O18		Cooper		015N		O2/Air		Prod		DON		Lessard		Lomas		Radon		iZoops		Th							
1		66		18/F		1		19																																							
2		50				2																																									
3		40				3																																									
4		30				4																																									
5		20				5																																									
6		10		19/F		6																																									
7		0				7																																									
8																																															
9																																															
10																																															
11																																															
12																																															

REMARKS

STD

MAX DEPTH = 66 m

VESSEL USCG Healy		CRUISE ID H10803		PROJECT & LEG BEST/BSERP Summer '08		Ship Designation (I.D.) 1H0802		STATION NO. 84																															
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)					
0985634.10N		17240.37W		20JUL08		0550		8.7		8.0		1346		270		128																							
SBE 9+		FLUOR S/N		REMARKS																																			
PRESS SN		SBE43-Dry (prime)																																					
PRI TEMP SN		SBE43-Dry (sec)																																					
SEC TEMP SN		Transmissometer																																					
PRI COND SN		PAR S/N																																					
SEC COND SN		O2 Temp Sensor No.																																					
NIS DEPTH		Roset.		Hydro Team-PNEL		Tom W		Grebe		Masha		Sambrotto		Harvey		Moran/		Shull		Stoeker		Pat																	
No		DESIRED		notes		SALT		NUTS		O2-Btl/No		O2 Temp		CHL.		Frac CHL.		DIC		O18		Cooper-15N		Prod		DON		lessard		Lomas		Radon		iZoops		Th		No	
1		148						8		97																													
2		100						9																															
3		75						10																															
4		50						11																															
5		40						12																															
6		30						13																															
7		20						14																															
8		10						15																															
9		10						16																															
10		0						207																															
11																																							
12																																							

End at 0609

Logging 19m down

VESSEL		CRUISE ID		PROJECT & LEG		Ship Designation (I.D.)		STATION NO.														
USCG Healy		H10803		BEST/BSIERP Summer '08		1H0802		85														
CONSC	CAST #	DEG	MIN	DEG	MIN	DAY	MO	YR	HR	MIN	DRY BULB	WET BULB	PRESSURE	SEA STATE	VISIBILITY	WIND DIRN.	WIND SPD.	CLOUD (amt)	TYPE	WEATHER	BOTTOM DEPTH	STA. NAME/ID
0995641	71	N	17312	74	W	20	JUL	08	09	01	8.8		14			270	22				155651	-5
SBE 9+ _____ FLUOR S/N _____ PRESS SN _____ SBE43-Oxy (pr/line) _____ 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 = _____ m																						
NIS	DEPTH	Reset.	Hydro Team-PMEI	O2 Bl./No	O2 Temp	CHL.	Frac CHL.	DIC	Tom W	Gibbne	Masha	Sambroto	Harvey	Moran/	Shull	Stoeker	Pat	NIS				
No.	DESIRED	notes	SALT	NUTS					O18	Coope	015N	O2/Ar	Prod	DON	Lessard	Lomas	Radon	uZoops	Th	No.		
1	155		20	17	117															1		
2	125			18	118															2		
3	120			19	178															3		
4	75			20																4		
5	50			21																5		
6	40			22																6		
7	30			23																7		
8	20			24																8		
9	10			-								1310								9		
10	10		21	25	243															10		
11	0			26																11		
12																				12		

Still is leaky.

VESSEL	CRUISE ID	PROJECT & LEG	Ship Designation (I.D.)	STATION NO.																	
USCG Healy	H10803	BEST/BISLERP_Summer '08	1H0802	86																	
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							
1005652.48 N	17319.50 W	20 JUL 08	1108	8.5	.	13	*	*	(deg)	(kts)	* * *	*	(m)	175LS1-6							
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-PHEL	Tom W	Giebre	Masha	Sambroto	Harvey	Moran/	Shull	Stoecker	Pat	NIS								
No	DESIRED	notes	SALT	NUTS	O2-Btl.No	O2 Temp	CHL	Frac CHL	DIC	018	Cooper	01SN	O2/Air	Prod	DON	Lessard	Lomas	Radon	μZoops	Th	No
1	SS																				
2	12																				
3	12																				
4	12																				
5	12																				
6	12																				
7																					
8																					
9																					
10																					
11																					
12																					

REMARKS

ZOSP11

MAX DEPTH = m

[illegible]

VESSEL USCG Healy		CRUISE ID H10803		PROJECT & LEG BEST/BSIERP_Summer '08		Ship Designation (I.D.) H10802		STATION NO. 86																	
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								
102565D	DEG	MIN	DEG	MIN	DAY	MO	YR	HR	MIN	(°C)	(°C)	(mb)	*	*	(deg)	(kts)	*	*	(m)	174US1-6					
REMARKS PROD MAX. DEPTH = 170 m																									
SBE 9+		FLUOR S/N		SBE43-Oxy (prime)		SBE43-Oxy (sec)		Transmissometer		PAR S/N		O2 Temp Sensor No.													
PRESS SN																									
PRI TEMP SN																									
SEC TEMP SN																									
PRI COND SN																									
SEC COND SN																									
NIS		DEPTH		Roset		Hydro Team-PMEL		Tom W		Grebe		Masha		Sambroto		Harvey		Moran/ Snul		Stoeker		Pat		NIS	
No.	DESIRED	notes	SALT	NUTS	O2-Btl No	O2 Temp	CHL	Frac CHL	DIC	018	Cooper 015N	O2/Air	Prod	DON	Lessard	Lomas	Radon	μZoops	Th	No.					
1	100			37																					
2	80			38																					
3	60			39																					
4	38			A14/40																					
5	25			A15/41																					
6	20			A16/42																					
7	15			A17/43																					
8	10			A18/44																					
9	5			A19/45																					
10	5																								
11	5																								
12	0			A20/46																					

#11 & #12 both okay

VESSEL USCG Healy		CRUISE ID H10803		PROJECT & LEG BEST/BSIERP_Summer '08		Ship Designation (I.D.) 1H0802		STATION NO. 82																							
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	
1035825.401 N		17422.10 W		21 JUL 08		03 17 18.17		8.17		8.17		108		28509		1260173D															
SBE 9+		FLUOR S/N		SBE 43-Dry (prime)		SBE 43-Dry (sec)		Transducer		PAR S/N		O2 Temp Sensor No.		REMARKS		MAX. DEPTH = 170 m															
PRESS SN		SBE 43-Dry (prime)		SBE 43-Dry (sec)		Transducer		PAR S/N		O2 Temp Sensor No.		REMARKS		MAX. DEPTH = 170 m																	
PRI TEMP SN		SBE 43-Dry (prime)		SBE 43-Dry (sec)		Transducer		PAR S/N		O2 Temp Sensor No.		REMARKS		MAX. DEPTH = 170 m																	
SEC TEMP SN		SBE 43-Dry (prime)		SBE 43-Dry (sec)		Transducer		PAR S/N		O2 Temp Sensor No.		REMARKS		MAX. DEPTH = 170 m																	
PRI COND SN		SBE 43-Dry (prime)		SBE 43-Dry (sec)		Transducer		PAR S/N		O2 Temp Sensor No.		REMARKS		MAX. DEPTH = 170 m																	
SEC COND SN		SBE 43-Dry (prime)		SBE 43-Dry (sec)		Transducer		PAR S/N		O2 Temp Sensor No.		REMARKS		MAX. DEPTH = 170 m																	
NIS		DEPTH		Roset		Hydro Team		PMEL		Tom W		Gibbne		Masna		Sambroto		Harvey		Moran/		Shull		Stoeker		Pat		NIS			
No.		DESIRID		notes		SALT		NUTS		O2-Btl No		O2 Temp		CHL.		Frac CHL.		DIC		O18		Coope		015N		O2/Ac		Prod		NIS	
1		170				22/K		47		199																				1	
2		150				23/F		48		16																				2	
3		160				24/F		49																						3	
4		75						50																						4	
5		60						51																						5	
6		50						52																						6	
7		46						53																						7	
8		30						54																						8	
9		25						55																						9	
10		20						56																						10	
11		10						Leaker																						11	
12		0						57																						12	

60m / 30m, 0m - Biooptics

[illegible]

VESSEL		CRUISE ID		PROJECT & LEG		Ship Designation (I.D.)		STATION NO.													
USCG Healy		H10803		BEST/BSIERP_Summer '08		1H0802		89													
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)						
1055747.79	N 17502.66	W 21 JUL 08	11 144	8.8	11	255	11	256	8214-4												
SBE 9+			FLUOR S/N		REMARKS																
PRESS SN			SBE 43-Oxy (prime)		2025 11																
PRI TEMP SN			SBE 43-Oxy (sec)																		
SEC TEMP SN			Transmissometer																		
PRI COND SN			PAR S/N																		
SEC COND SN			O2 Temp Sensor No.																		
NIS	DEPTH	Roset.	Hydro Team-PMEL	Tom W	Gribnet	Masha	Sambrotto	Harvey	Moran/	Shull	Stoelker	Pat	NIS								
No	DESIGNED	notes	SALT	NUTS	O2-Bt.No	O2 Temp	CHL	Frac CHL	DIC	O18	Cooper	Olson	O2/Air	Prod	DOX	Lesnard	Lomas	Radon	μZoops	Th	No
1	35																				1
2	35																				2
3	35																				3
4	35																				4
5	35																				5
6																					6
7																					7
8																					8
9																					9
10																					10
11																					11
12																					12

MAX. DEPTH = 80 m

VESSEL		CRUISE ID		PROJECT & LEG		Ship Designation (I.D.)		STATION NO.														
USCG Healy		H10803		BEST/BSISRP_Summer '08		H10802		89														
CONSC	CAST #	DEG	MIN	DEG	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		
1	0657	48.	74	N	1	74	58.	60	W	21	JUL	08	14	06	8.	7		10	24	210	2327	714-4B
SBE 9+ _____ FLUOR S/N _____ PRESS SN _____ SBE43-Oxy (prme) _____ PRI TEMP SN _____ SBE43-Oxy (sec) _____ SEC TEMP SN _____ Transducer _____ PRI COND SN _____ PAR S/N _____ SEC COND SN _____ O2 Temp Sensor No. _____																						
REMARKS STD - SHALLOW																						
NO.	DEPTH	notes	SALT	NUTS	O2-B/L No	O2 Temp	CHL	Frac CHL	DIC	Tom W	Gebm	Mosha	Samdroto	DON	Harvey	Moran/	Shull	Stoker	Pat	No.		
1	400		51A	70	220															1		
2	300			71	164															2		
3	200			72	147															3		
4	150			73																4		
5	100			74																5		
6	75			75																6		
7	50			76																7		
8	40			77																8		
9	30			78																9		
10	20			79																10		
11	10		61A	80																11		
12	0			81	168															12		

MAX DEPTH = 400 m

VESSEL		CRUISE ID		PROJECT & LEG		Ship Designation (I.D.)		STATION NO.													
USCG Healy		H10803		BEST/BSIERP Summer '08		1H0802		89													
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)			
107	5749.70 N	174	59.55 W	21	JUL	08	15	07	8.7		10			255	11			214-48			
SBE 9+ _____ FLUOR S/N _____ PRESS SN _____ SBE43-Oxy (prime) _____ PRT TEMP SN _____ SBE43-Oxy (sec) _____ SEC TEMP SN _____ Transducer _____ PRT COND SN _____ PAR S/N _____ SEC COND SN _____ O2 Temp Sensor No. _____																					
REMARKS																					
PROD _____ _____ _____																					
MAX DEPTH = _____ m																					
NIS	DEPTH	Roset	Hydro	Team-PMEL	O2-B/L	O2 Temp	CHL	Frac CHL	DIC	Tom W	Gebine	Masha	Sambroto	Harvey	Moran/	Snail	Stoeker	Pat	NIS		
No.	DESIRED	notes	SALT	NUTS						018	Cooper	01SN	02/Ar	Prod	DON	Lessard	Lomas	Rodon	μZoops	Th	No.
1	51			A11/1																	1
2	53			A12/2																	2
3	27			A13/3																	3
4	20			A14/4																	4
5	13			A15/5																	5
6	7			A16/6																	6
7	7																				7
8	7																				8
9	7																				9
10	7																				10
11	7																				11
12	0			A12/7																	12

Good Bio optics 0, 33, 51

[illegible]

VESSEL USCG Healy		CRUISE ID H10803		PROJECT & LEG BEST/BSIERP_Summer '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													
1095746.716N		174451.56W		21 JUL 08		1844		8.7		.		10		24211		2450714-45																											
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		PRI TEMP SN		SEC TEMP SN		PRI COND SN		SEC COND SN																																			
NIS		DEPTH		Reset		Hydro Team-PMEL		Tom W		Grebné		Masna		Sambrotto		Harvey		Moran/		Shull		Stoeker		Pat		NIS																	
No.		DESIRED		notes		SALT		NUTS		O2-Btl.No		O2 Temp		CHL		Frac CHL		DIC		O18		Cooper		015N		O2/Ar		Prod		DON		Lessard		Lomas		Radon		Stoeker		Pat		NIS	
1		2241				7/A		82/83		219																														1			
2		2000				8/A		82/85		144																												2					
3		1700				9/A		86/87		122																												3					
4		1400				10/A		88/89		175																												4					
5		1200				11/A		80/91		174																												5					
6		1000				12/A		92/93		176																												6					
7		800				13/A		94/95		181																												7					
8		600				14/A		96/97		193																												8					
9		450				15/A		98/99		202																												9					
10		300				16/A		100/101		190																												10					
11		200						(12/103)		195																												11					
12		150						(107/105)		197																												12					

All depths - COORN (60m) - Biooptics

STD DEEP

REMARKS

MAX DEPTH = 2241 m

[illegible]

[illegible]

ALL

7 7 7 7 7 7 7 7 7 7 8

VESSEL USCG Healy		CRUISE ID H10803		PROJECT & LEG BEST/BSIEP Summer '08		Ship Designation (I.D.) 1H0802		STATION NO. 02																																			
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															
1125889.52N		17359.14W		22JUL08		11537.7		7.7		.		08		266		7		122714-2																									
SBE 9+		FLUOR S/N		SBE 43-Oxy (prime)		SBE 43-Oxy (sec)		Transmissometer		PAR S/N		O2 Temp Sensor No.		REMARKS		MAX DEPTH =																											
PRESS SN		SBE 43-Oxy (prime)		SBE 43-Oxy (sec)		Transmissometer		PAR S/N		O2 Temp Sensor No.		REMARKS		MAX DEPTH =																													
PAT TEMP SN		SBE 43-Oxy (prime)		SBE 43-Oxy (sec)		Transmissometer		PAR S/N		O2 Temp Sensor No.		REMARKS		MAX DEPTH =																													
SEC TEMP SN		SBE 43-Oxy (prime)		SBE 43-Oxy (sec)		Transmissometer		PAR S/N		O2 Temp Sensor No.		REMARKS		MAX DEPTH =																													
PAT COND SN		SBE 43-Oxy (prime)		SBE 43-Oxy (sec)		Transmissometer		PAR S/N		O2 Temp Sensor No.		REMARKS		MAX DEPTH =																													
SEC COND SN		SBE 43-Oxy (prime)		SBE 43-Oxy (sec)		Transmissometer		PAR S/N		O2 Temp Sensor No.		REMARKS		MAX DEPTH =																													
NIS		DEPTH		Roset		Hydro Team		PMEL		Tom W		Grabme		Masha		Sambrotto		Harvey		Moran/		Shull		Stoeker		Pat		NIS															
NO		DESIRED		notes		SALT		NUTS		O2-Bit No		O2 Temp		CHL		Frac CHL		DIC		O18		Cooper		015N		O2/Ar		Prod		DON		Lessard		Lomas		Radon		Zooops		Th		No	
1		120		171A		130		216		687																																	
2		100				131																																					
3		75				132																																					
4		50				133																																					
5		40				134																																					
6		30				135																																					
7		20				136																																					
8		10		181A		137																																					
9		10								688																																	
10		0				138		184		689																																	
11																																											
12																																											

[illegible]

VESSEL USCG Healy		CRUISE ID H10803		PROJECT & LEG BEST/BSIERP_Summer '08		Ship Designation (I.D.) H10802		STATION NO. 92													
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				
1145900.40 N	17400.94 W	22 JUL 08	1605	7.6	08	292	6	12314-2													
SBE 9+ PRESS SN PPT TEMP SN SEC TEMP SN PPT COND SN SEC COND SN FLUOR S/N SBE-43-Oxy (p/true) SBE-43-Oxy (sec) Transducer PAR S/N O2 Temp Sensor No.																					
REMARKS PROD																					
MAX. DEPTH = m																					
NIS	DEPTH	Reset.	Hydro Team	PMEL	Tom W	Gabone	Masha	Sambrotto	Harvey	Moran/	Shull	Stocker	Pat	NIS							
No.	DESIRED	Notes	SALT	NUTS	O2-Bt/No	O2 Temp	CHL.	Frac CHL.	DIC	O18	Cooper	0.15N	O2/Ar	Prod	DON	Lessard	Lomas	Radon	μZoops	Th	No.
1	120			A11/139																	1
2	51			A12/140																	2
3	33			A13/141																	3
4	27																				4
5	27			A15/142																	5
6	20			A16/143																	6
7	13			A17/144																	7
8	7			A18/145																	8
9	7																				9
10	7																				10
11	0			A21/146																	11
12																					12

26-dh1mk

VESSEL USCG Healy		CRUISE ID H10803		PROJECT & LEG BEST/BSERP_Summer '08		Ship Designation (I.D.) H10802		STATION NO. 92																																					
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															
115		59 00.29 N		174 00.53 W		22 JUL 08		17 56		7.5		.		08		*		310		6		*		*		124		714-2																	
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.																																									
DEPTH		Roset.		Hydro Team-PMEL				Tom W		Grebnk		Masha		Sambrotto		Harvey		Moran/		Shull		Stoeker		Pat																					
No		DESIRED		notes		SALT		NLTS		O2-Bulb No		O2 Temp		CHL		Frac CHL		DIC		O18		Cooper		b15N		O2/Ar		Prod		DON		Lessard		Lomas		Radon		wZoops		Th					
1		26																																											
2		26																																											
3		26																																											
4		26																																											
5		26																																											
6		26																																											
7		26																																											
8																																													
9																																													
10																																													
11																																													
12																																													

Radon

REMARKS

MAX DEPTH = 31 m

VESSEL USCG Healy		CRUISE ID H10803		PROJECT & LEG BEST/BIERP Summer '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 SPD.		CLOUD (amt)		WEATHER		BOTTOM DEPTH		STA. NAME/ID									
1165922.37N		173325.15W		22 JUL 08		2306		7.8		7.5		10		10		10		10		10		10		10		10		10									
DEG		MIN		DEG		MIN		DAY		MO		YR		HR		MIN		(°C)		(°C)		(mb)		• •		(deg)		(kts)		• • •		(m)		10804		10804	
SBE 9+				FLUOR S/N																																	
PRESS SN				SBE 43-Oxy (prime)																																	
POT TEMP SN				SBE 43-Oxy (sec)																																	
SEC TEMP SN				Transmissometer																																	
POT COND SN				PAR S/N																																	
SEC COND SN				O2 Temp Sensor No.																																	
NIS DEPTH		Roset.		Hydro Team-PNEL																																	
No. DESIRED		notes		SALT		NUTS		O2-BU/No		O2 Temp		CHL		Frac CHL		DIC		Ton W		Grebe		Masha		Sambrotto		Harvey		Moran/		Shull		Stoecker		Pat			
1 98				19.1		147		171										691																			
2 75				20/A		148																															
3 50						149																															
4 25																																					
5 25																																					
6 25																																					
7 25																																					
8 25																																					
9 25																																					
10 25																																					
11 10																																					
12 0																																					

0m, 25m, 50m - Biooptics
98m, 95m, 10m - Cdon

VESSEL USCG Healy		CRUISE ID H10803		PROJECT & LEG BEST/BIERP Summer '08		Ship Designation (I.D.) H10802		STATION NO. 95																																	
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													
118		59 54.54 N		172 47.18 W		23 JUL 08		07 41		7.3		5.5113		3		7		350		058		2		72m		n-9															
DEG		MIN		DEG		MIN		DAY		MO		YR		HR		MIN		(°C)		(°C)		(mb)		+		+		(deg)		(kts)		+		+		(m)					
SBE 9+		SBE 43-Oxy (prime)		SBE 43-Oxy (sec)		Transmissometer		PAR S/N		O2 Temp Sensor No.		O2 COND SN		SBE 9+		SBE 43-Oxy (prime)		SBE 43-Oxy (sec)		Transmissometer		PAR S/N		O2 Temp Sensor No.		O2 COND SN		SBE 9+		SBE 43-Oxy (prime)		SBE 43-Oxy (sec)		Transmissometer		PAR S/N		O2 Temp Sensor No.		O2 COND SN	
PRESS SN		SEC TEMP SN		PRC COND SN		SEC COND SN		NIS		DEPTH		Roset.		Hydro		Team-PMEI		Tom W		Grebe		Masha		Sambrotto		Harvey		Moran		Shull		Stoecker		Pat		NIS					
No		DESIRED		notes		SALT		NUTS		O2-BL/No		O2 Temp		CHL		Frac CHL		DIC		O18		Cooper/11SN		O2/Ar		Prod		DON		Lessard		Lomas		Radon		μZoops		Th		No	
1		70		21/14		68		118										✓		697a																					
2		50				69																																			
3		40				10												✓																							
4		30				71												✓																							
5		20				72												✓																							
6		10		22/14		73		117										✓		697b																					
7		0				74												✓		698																					
8																																									
9																																									
10																																									
11																																									
12																																									

715 hanks !!

70m, 80m, 100m — BIO optics.
all depths — CDOM & ALF

REMARKS

MAX DEPTH = 70 m

VESSEL		CRUISE ID		PROJECT & LEG		Ship Designation (I.D.)		STATION NO.													
USCG Healy		H10803		BEST/BSIERP_Summer '08		1H0802		96													
CONSC	CAST #	DEG	MIN	DEG	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
										(°C)	(°C)	(mb)	*	*	(deg)	(kts)	*	*	*	(m)	
1195953.78N		172.11.77W		23	JUL	08			0016	7.2		11			342	3				73MN-8	
REMARKS STD Bottle at Decked - returned MAX DEPTH = 71 m																					

VESSEL USCG Healy		CRUISE ID H10803		PROJECT & LEG BEST/BSLRP Summer '08		Ship Designation (I.D.) 110802		STATION NO. 96																													
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							
1205954.12N		17212.63W		23 JUL 08		1114		6.7		.		11		.		054		3								73m-8											
SBE 9+ PRESS SN PRI TEMP SN SEC TEMP SN PRI COND SN SEC COND SN		FLUOR S/N SBE43-Oxy (prime) SBE43-Oxy (sec) Transmissometer PAR S/N O2 Temp Sensor No.		REMARKS 2005		MAX DEPTH = 34 m																															
No. DESIRED		notes		SALT		NUTS		O2-BTL No		O2 Temp		CHL.		Frac CHL.		DIC		Tom W		Grebe		Masha		Sambrotto		Harvey		Moran/		Shull		Stoecker		Pat		No	
1		20																																			
2		20																																			
3		20																																			
4		20																																			
5		20																																			
6		20																																			
7		20																																			
8		12																																			
9		12																																			
10		12																																			
11		12																																			
12		12																																			

5012

VESSEL		CRUISE ID		PROJECT & LEG		Ship Designation (I.D.)		STATION NO.																	
USCG Healy		H10803		BEST/BSERP Summer '08		1H0802		97																	
CONSC	DEG	LATITUDE	DEG	MIN	LONGITUDE	DEG	MIN	DAY	MO	YR	TIME (GMT)	HR	MIN	DRY BULB	WET BULB	PRESSURE	SEA STATE	VISIBILITY	WIND DIRN.	WIND SPD.	CLOUD (amt)	WEATHER	BOTTOM DEPTH	STA. NAME/ID	
CAST #																									
1215954.74 N			17135.77 W			23	JUL	08			13	37		6.2		12			310	6				70M-7	
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. _____																									
REMARKS																									
NIS DEPTH _____ Roset. _____ Hydro Team-PMEL _____ No DESIRED notes _____ SALT _____ NUTS _____ O2-BTL No _____ O2 Temp _____ CHL. _____ Frac CHL. _____ DIC _____ 1 6.6 _____ 1/B 38 136 _____ STN/Ar _____ 2 50 _____ 39 _____ 3 40 _____ 40 _____ LA-2 _____ 4 30 _____ 41 _____ LA-3 _____ 5 20 _____ 42 _____ LA-4 _____ 6 10 _____ 2/B 43 143 _____ LA-5 _____ 7 0 _____ 44 _____ LA-6 _____ 8 _____ 9 _____ 10 _____ 11 _____ 12 _____																									
Ton W _____ Grebne _____ Mastha _____ Sambrotto _____ Harvey _____ Moran/ _____ Shull _____ Stoeker _____ Pat _____ Coope-015N _____ O2/Ar _____ Prod _____ DON _____ Lessard _____ Lomas _____ Radon _____ uZoops _____ Th _____ No _____																									
MAX DEPTH = 66 m																									

VESSEL		CRUISE ID		PROJECT & LEG		Ship Designation (I.O.)		STATION NO.													
USCG Healy		H10803		BEST/BSERP Summer '08		1H0802		958													
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)						
1225953	92 N	17059	99 W 23 JUL 08	1601	6.7		12				359	8			Bottom	6					
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 O2 Temp Sensor No. PRD MAX DEPTH =																					
NIS	DEPTH	Reset.	Hydro Team: PMEL	Tom W	Greiner	Masha	Samorotto	Harvey	Moran/	Shull	Stoeker	Pat	NIS								
No	DESIRED	notes	SALT	NUTS	O2-Btl/No	O2 Temp	CHL.	Frac CHL.	DIC	018	Cope	015N	O2/Ar	Prod	DCN	Lessard	Lomas	Radon	μZoops	Th	No
1	65			45																	1
2	38			46																	2
3	25			47																	3
4	20			48																	4
5	15			49																	5
6	10			50																	6
7	5			51																	7
8	5																				8
9	5																				9
10	0			52																	10
11																					11
12																					12

5.5

VESSEL USCG Healy		CRUISE ID H10803		PROJECT & LEG BEST/BSIEP Summer '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											
12359		53.27 N		7100.74 W		23 JUL 08 1733		6.9		.		13		.		556		7										70M-6													
SBE 9+				FLUOR S/N																																					
PRESS SN				SBE43-Oxy (prine)																																					
PRT TEMP SN				SBE43-Oxy (sec)																																					
SEC TEMP SN				Transducer																																					
PRT COND SN				PAR S/N																																					
SEC COND SN				O2 Temp Sensor No.																																					
NIS DEPTH		Roset.		Hydro Team-PMEL																																					
No		DESRED		notes		SALT		NUTS		O2-Btl No		O2 Temp		CHL		Frac CHL		DIC		Tom W		Grebe		Masha		Sambrotto		Harvey		Moran/		Shull		Stoecker		Pat					
1		66						53		* 183																															
2		50						54																																	
3		40						55																																	
4		30						56																																	
5		20						57																																	
6		10						58		4 166																															
7		0						59																																	
8																																									
9																																									
10																																									
11																																									
12																																									

REMARKS

STD

MAX DEPTH = 66 m

[illegible]

VESSEL		CRUISE ID		PROJECT & LEG		Ship Designation (I.D.)		STATION NO.	
USCG Healy		H10803		BEST/BSIERP_Summer '08		H10802		(C)	
CONSC	LATITUDE	LONGITUDE		TIME (GMT)		DRY BULB	WET BULB	PRESSURE	SEA STATE
CAS#	DEG MIN	DEG MIN	DAY MO YR	HR MIN	(°C)	(°C)	(mb)	*	* * *
1	26	59	53.87 N	17	24	48.67 W	24 JUL 08	05	52
SBE 9+		FLUOR S/N							
PRESS SN		SBE 43-Oxy (prime)							
PRI TEMP SN		SBE 43-Oxy (sec)							
SEC TEMP SN		Transmissometer							
PRI COND SN		PAR S/N							
SEC COND SN		O2 Temp Sensor No							
NIS	DEPTH	Roset.	Hydro Team-PNEL	Tow W	Gibber	Mastia	Sambroto	Harvey	Moran/Shall
No	DESIRID	notes	SALT NUTS	O2-BL No	O2 Temp	CHL	Frac CHL	DIC	O18
1	70		106	172					
2	29		107						
3	28								
4	28								
5	28								
6	28								
7	28								
8	28								
9	28								
10	20		108						
11	10		109						
12	0		110	144					
REMARKS									
MAX DEPTH = m									
BOTTOM DEPTH STA. NAME/ID									
75M 98									

[illegible]

[illegible]

VESSEL USCG Healy		CRUISE ID H10803		PROJECT & LEG BEST/BSEBP Summer '08		Ship Designation (I.D.) H10802		STATION NO. 102																													
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							
129		59 53.93 N		173 58.56 W		24 JUL 08		1030		7.4		.		20		*		*		190		7		*		*		103M		W-11							
SBE 9+				FLUOR S/N																																	
PRESS SN				SBE 43-Oxy (prime)																																	
PRI TEMP SN				SBE 43-Oxy (sec)																																	
SEC TEMP SN				Transmissometer																																	
PRI COND SN				PAR S/N																																	
SEC COND SN				O2 Trip Sensor No.																																	
NIS DEPTH		Rosel.		Hydro Team-PHEL																																	
No. DESIRED		notes		SALT		NUTS		O2-Btl/No		O2 Temp		CHL.		Frac CHL.		DIC		Ton W		Gabeine		Mascha		Sambrotto		Harvey		Moran/		Shull		Stoeker		Pat		No.	
1		40																																			
2		9																																			
3		9																																			
4		9																																			
5		9																																			
6																																					
7																																					
8																																					
9																																					
10																																					
11																																					
12																																					

REMARKS

70271

MAX. DEPTH =

4 @ 9

VESSEL USCG Healy		CRUISE ID H10803		PROJECT & LEG BEST/BSIEP Summer '08		SHIP Designation (I.D.) H10802		STATION NO. 103										
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
1305953	61	17435.00	W	24	JUL	08	1511	7.1	20	*	*	239	19		*	*		114m-12
REMARKS STD																		
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. _____																		
NIS DEPTH Roset. Hydro Team-PMEL																		
No	DESRED	notes	SALT	NUTS	O2-BTLNo	O2 Temp	CHL	Frac CHL	DIC	Tom W	Gephne	Masha	Sambrotto	Harvey	Moran/	Shull	Stoecker	Pat
1	10+		61	1	174					705								/
2	75			2														/
3	50			3														/
4	40			4														/
5	30																	
6	30			5														/
7	20			6														/
8	10		71	7						706								/
9	0			8		175				707								
10																		
11																		
12																		

G.O. 5 OF 410X

VESSEL USCG Healy		CRUISE ID H10803		PROJECT & LEG BEST/BSIEP, Summer '08		Ship Designation (I.D.) TH0802		STATION NO. 103										
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	
131	59	53.62	N	174	34.52	W	24	JUL	08	15	57	7.1	19	23	210		110m	W-12
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 PROD																		
MAX DEPTH =	107m																	

NIS	DEPTH	Roset.	Hydro Team-PNEL	Notes	SALT	NUTS	O2-Btl No	O2 Temp	CHL.	Frac CHL.	DIC	O18	Tom W	Gephk	Masht	O2/Air	Prod	Sambroto	Harvey	Moran/	Shull	Stoecker	Pat	NIS
No	DESIRD	notes																						No
1	107					9																		1
2	51					10																		2
3	33					11																		3
4	33																							4
5	27					12																		5
6	20					13																		6
7	13					14																		7
8	7					15																		8
9	7																							9
10	7																							10
11	0					16																		11
12																								12

207

ALF

VESSEL USCG Healy		CRUISE ID H10803		PROJECT & LEG BEST/BSIERP Summer '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													
1325954.11 N		17511.58 W		24 JUL 08		1843		7.1		.		19		+		226		14		.		.		.		.		115 M		113													
DEG		MIN		DEG		MIN		DAY		MO		YR		HR		MIN		(°C)		(°C)		(mb)		+		(deg)		(kts)		* * *													
SBE 9+		SBE 43-Oxy (pHme)		SBE 43-Oxy (sec)		Transmissometer		PAR S/N		O2 Temp Sensor No.		O2 Temp		CHL		Frac CHL		DIC		Tom W		Greene		Mashe		Sambrotto		Harvey		Moran/		Shull		Stoeker		Pat		No.					
No		DESIRE		notes		SALT		NUTS		O2-Bt/No		O2 Temp		CHL		Frac CHL		DIC		O18		Cooper		015N		O2/Ar		Prod		DON		Lessard		Lomas		Radon		uZoops		Th		No.	
1		116		8/6		17		190												708																				1			
2		25				18																																2					
3		50				19																																3					
4		40				20																																4					
5		30				21																																5					
6		20				22																																6					
7		10				23														709																		7					
8		0		9/6		21		195												710																		8					
9																																						9					
10																																						10					
11																																						11					
12																																						12					

REMARKS

STD

CUC Max @ 30m

MAX DEPTH = 116 m

[illegible]

VESSEL USCG Healy		CRUISE ID H10803		PROJECT & LEG BEST/BSIEP_Summer '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																			
1345954.41N		17622.29W		25JUL08		0008		8.1		7.7		18		*		*		218		17		*		*		140m		15																			
SBE 9+		FLUOR S/N		SBE 43-Oxy (primo)		SBE 43-Oxy (sec)		Transducer		PAR S/N		O2 Temp Sensor No.		REMARKS		MAX. DEPTH =																															
PRESS SN		SBE 43-Oxy (primo)		SBE 43-Oxy (sec)		Transducer		PAR S/N		O2 Temp Sensor No.		REMARKS		MAX. DEPTH =																																	
PRI TEMP SN		SBE 43-Oxy (primo)		SBE 43-Oxy (sec)		Transducer		PAR S/N		O2 Temp Sensor No.		REMARKS		MAX. DEPTH =																																	
SEC TEMP SN		SBE 43-Oxy (primo)		SBE 43-Oxy (sec)		Transducer		PAR S/N		O2 Temp Sensor No.		REMARKS		MAX. DEPTH =																																	
PRI COND SN		SBE 43-Oxy (primo)		SBE 43-Oxy (sec)		Transducer		PAR S/N		O2 Temp Sensor No.		REMARKS		MAX. DEPTH =																																	
SEC COND SN		SBE 43-Oxy (primo)		SBE 43-Oxy (sec)		Transducer		PAR S/N		O2 Temp Sensor No.		REMARKS		MAX. DEPTH =																																	
NIS		Roset.		Hydro Team-PMEL		Tom W		Gekim		Masba		Sambrotto		Harvey		Moran		Shull		Stoelker		Pat																									
No		DESIRD		notes		SALT		NUTS		O2-Btl No		O2 Temp		CHL		Frac CHL		DIC		018		Cope		01SN		O2/Lr		Prod		DON		Lessard		Lomas		Radon		uZoops		Th							
1		136				34		68										✓		218																											
2		100				35																																									
3		75				36																																									
4		50				37																																									
5		45				38																																									
6		40				39																																									
7		30				48																																									
8		20				41																																									
9		10				42																																									
10		0				43		80																																							
11																																															
12																																															

ALF - all depths
 00m - 136m, 100m, 95m
 Biophtid - 40m, 80m, 10m

[illegible]

VESSEL		CRUISE ID		PROJECT & LEG		Ship Designation (I.D.)		STATION NO.																
USCG Healy		H10803		BEST/BSIEP, Summer '08		1H0802		108																
CONSC CAST #	DEG	MIN	LATITUDE	DEG	MIN	LONGITUDE	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	
136	59	55	23 N	17	34	01 W	25	JUL	08	08	15	8	3		14			22	7	15			139	MV17
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 _____ 02 Temp Sensor No. _____																								
REMARKS																								
NIS DEPTH Roset. Hydro Team-PMEL No. DESIRED notes SALT ID NJTS 02-BU No 02 Temp CHL. Frac CHL. DIC Ton W Grebne Masha Sambrotto DON Lessard Lomas Radon Stoeker Pat No.																								
1	135		10/18	53	075					717														1
2	100			54																				2
3	75			55																				3
4	60			56																				4
5	50			57																				5
6	40			58																				6
7	30			59																				7
8	20			60																				8
9	10		11/18	61						718			458											9
10	0			62	106					719														10
11																								11
12																								12

MAX DEPTH = 135 m

[illegible]

VESSEL USCG Healy		CRUISE ID H10803		PROJECT & LEG BEST/BSERP_Summer '08		Shp Designation (I.D.) 1H0802		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													
13854		53.34 N		17848.30 W		25 JUL 08		13 19		8.8		.		13		.		234		15		.		.		.		171M-19															
SBE 9+				FLUOR S/N																																							
PRESS SN				SBE43-Oxy (prime)																																							
PAT TEMP SN				SBE43-Oxy (sec)																																							
SEC TEMP SN				Transmissometer																																							
PAT COND SN				PAR S/N																																							
SEC COND SN				O2 Temp Sensor No.																																							
NIS DEPTH		Roset.		Hydro Team-PMEL				Tom W		Grab		Masha		Sambrotto		Harvey		Moran		Shul		Stoecker		Pat																			
No DESIRED		notes		SALT		NUTS		O2-Btl/No		O2 Temp		CHL		Frac CHL		DIC		O18		Coope-15N		O2/Ar		Prod		DON		Lessard		Lomas		Radon		uZooops		Th							
1		35																																									
2		35																																									
3		35																																									
4		35																																									
5		35																																									
6																																											
7																																											
8																																											
9																																											
10																																											
11																																											
12																																											

REMARKS

200711

MAX DEPTH = 55 m

VESSEL USCG Healy		CRUISE ID H10803		PROJECT & LEG BEST/BSIFRP Summer '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											
1395953.81 N		17848.50 W		25 JUL 08		161608.8		8.8		.		12		*		*		240		13		*		*		*		162M-19													
DEG MIN		DEG MIN		DAY MO YR		HR MIN		(°C)		(°C)		(mb)		+		+		(deg)		(kts)		+		+		+		(m)													
SBE 9+		SBE 43-S/N		SBE 43-Oxy (prine)		SBE 43-Oxy (sec)		Transmissometer		PAR S/N		O2 Temp Sensor No.		O2 COND SN		SBE COND SN		SBE COND SN		SBE COND SN		SBE COND SN		SBE COND SN		SBE COND SN		SBE COND SN		SBE COND SN											
PRESS SN		PRI TEMP SN		SEC TEMP SN		PRI COND SN		SEC COND SN		O2 Temp Sensor No.		O2 COND SN		SBE COND SN		SBE COND SN		SBE COND SN		SBE COND SN		SBE COND SN		SBE COND SN		SBE COND SN		SBE COND SN		SBE COND SN											
NIS		DEPTH		Roset.		Hydro Team-PMEL		Tom W		Grebnk		Masht		Sambrotto		Harvey		Moran		Shull		Stoecker		Pat		NIS		No		No											
No		DESIRD		notes		SALT		NUTS		O2-Btl No		O2 Temp		CHL		Frac CHL		DIC		O18		Cooper		O2/Ar		Prod		DON		Lessard		Lomas		Radon		uZoops		Th		No	
1		160		1418		72		153										✓		723																		1		1	
2		125				73												✓																				2		2	
3		100				74												✓																				3		3	
4		75				75												✓																				4		4	
5		50				76												✓																				5		5	
6		40				77												✓																				6		6	
7		30				78												✓																				7		7	
8		30																																				8		8	
9		20				79		200										✓		724																		9		9	
10		10		1516		80												✓		725				1335														10		10	
11		0				81												✓		725																		11		11	
12																																						12		12	

REMARKS

STD
3 might be a leak

#3 → leaks?
#11 → leaks

VESSEL USCG Healy		CRUISE ID H10803		PROJECT & LEG BEST/BSERP Summer '08		Ship Designation (I.D.) 1H0802		STATION NO. 110														
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
14D	59	53.71 N		17	848.39 W		25	JUL	08	16	23	8.8	.	13	*	*	250	11	*	*	165	AM-19
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 Prod!																						
MAX DEPTH = 164 m																						
MS	DEPTH	Reset.	Hydro Team-PME	Tom W	Gretke	Masha	Sambrotto	Harvey	Moran/	Shull	Stoecker	Pat	NS									
No	DESIRED	notes	SALT	NUTS	O2-Bt.No	O2 Temp	CHL	Frac CHL	DIC	O18	Coope	W15N	O2/Ar	Prod	DON	Lessard	Lomas	Radon	W20Ops	Th	No	
1	164			82																	1	
2	66			112	83																2	
3	43			115	84																3	
4	39			114	85																4	
5	34			118	86																5	
6	25			116	87																6	
7	17			117	88																7	
8	9			118	89																8	
9	9																				9	
10	9																				10	
11	0			111	90																11	
12																					12	

309

VESSEL USCG Healy		CRUISE ID H10803		PROJECT & LEG BEST/BSIEP-Summer '08		SHIP Designation (I.D.) H10802		STATION NO. 112																															
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											
1426048.53 N		17758.55 W		26 JUL 08		033310.1		8.216										00204		15204						15204-1													
SBE 9+		FLUOR S/N		SBE 43-Oxy (pH/mv)		SBE 43-Oxy (sec)		Transmissometer		PAR S/N		O2 Temp Sensor No.		REMARKS		MAX. DEPTH =																							
PRESS SN		SBE 43-Oxy (pH/mv)		SBE 43-Oxy (sec)		Transmissometer		PAR S/N		O2 Temp Sensor No.		REMARKS		MAX. DEPTH =																									
POT TEMP SN		SBE 43-Oxy (pH/mv)		SBE 43-Oxy (sec)		Transmissometer		PAR S/N		O2 Temp Sensor No.		REMARKS		MAX. DEPTH =																									
SEC TEMP SN		SBE 43-Oxy (pH/mv)		SBE 43-Oxy (sec)		Transmissometer		PAR S/N		O2 Temp Sensor No.		REMARKS		MAX. DEPTH =																									
POT COND SN		SBE 43-Oxy (pH/mv)		SBE 43-Oxy (sec)		Transmissometer		PAR S/N		O2 Temp Sensor No.		REMARKS		MAX. DEPTH =																									
SEC COND SN		SBE 43-Oxy (pH/mv)		SBE 43-Oxy (sec)		Transmissometer		PAR S/N		O2 Temp Sensor No.		REMARKS		MAX. DEPTH =																									
NIS DEPTH		Roset.		Hydro Team PMEL		Tom W		Greiner		Masha		Sambrotto		Harvey		Moran/		Shul		Stoeker		Pat		NIS															
No. DESIRED		notes		SALT		NUTS		O2-Btl No		O2 Temp		CHL.		Frac CHL.		DIC		Q18		Cooper/15N		O2/Ar		Prod		DON		Lessard		Lomas		Radon		μZoops		Th		No	
1 146						102		143																															
2 100						103																																	
3 75						104																																	
4 50						105																																	
5 40						106																																	
6 30						107																																	
7 20						108																																	
8 10						109																																	
9 0						110		199																															
10																																							
11																																							
12																																							

edom - all depths.
 ALF - all depths
 Biopics - 50m, 30m, 0m

VESSEL USCG Healy		CRUISE ID H10803		PROJECT & LEG BEST/BSERP Summer '08		SHIP Designation (I.D.) H10802		STATION NO. 113																																	
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											
143		61 29 . 12 N		1 7 6 5 9 . 8 4 W		26 JUL 08		08 18 8 . 6		1 6		*		*		278		2		*		*		*		119		DL-2													
SBE 9+				FLUOR S/N																																					
PRESS SN				SBE43-Oxy (prime)																																					
PRI TEMP SN				SBE43-Oxy (sec)																																					
SEC TEMP SN				Transmissometer																																					
PRI COND SN				PAR S/N																																					
SEC COND SN				O2 Temp Sensor No.																																					
NIS DEPTH		Roset.		Hydro Team-PWEL				Tom W		Grebm		Masha		Sambrotto		Harvey		Moran/		Sniff		Stoeker		Pat																	
No DESRED		notes		SALT		NUTS		O2-Btl.No		O2 Temp		CHL.		Frac CHL.		DIC		O18		Cooper		N1SN		O2/Ar		Prod		DON		Lessard		Lomas		Radon		u20ops		Th			
1		111		8/1		111		167																																	
2		75				112																																			
3		50				113																																			
4		40				114																																			
5		30				115																																			
6		20				116																																			
7		10		9/1		117																																			
8		0				118		239																																	
9																																									
10																																									
11																																									
12																																									

REMARKS

STD

MAX DEPTH = 111 m

VESSEL USCG Healy		CRUISE ID H10803		PROJECT & LEG BEST/BIERP Summer '08		Shp 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)		WEATHER		BOTTOM DEPTH		STA. NAME/ID											
DEG		MIN		DEG		MIN		DAY		MO		YR		HR		MIN		(°C)		(°C)		(mb)		*		*		(deg)		(kts)		* * *		(m)					
14462		12.03N		17557		93W		26		JUL		08		12		14		6.8				17				328		5				445L-116							
SBE 9+				FLUOR S/N																																			
PRESS SN				SBE 43-Oxy (prime)																																			
PIL TEMP SN				SBE 43-Oxy (sec)																																			
SEC TEMP SN				Transducer																																			
PIL COND SN				PAR S/N																																			
SEC COND SN				02 Temp Sensor No.																																			
NIS		DEPTH		Roset.		Hydro Team-PHEL																																	
No		DESRED		notes		SALT		NUTS		02-Bit.No		02 Temp		CHL.		Frac CHL.		DIC		Tom W		Grelme		Masha		Sambrotto		Harvey		Moran/		Shull		Stoker		Pat			
1		88		161		1		163										729																					
2		50				2																																	
3		40				3																																	
4		30				4																																	
5		20				5																																	
6		10		11		6																																	
7		10				7																																	
8		0				8																																	
9						9																																	
10						10																																	
11						11																																	
12						12																																	

REMARKS

STD

MAX DEPTH = 88 m

VESSEL USCG Healy		CRUISE ID H10803		PROJECT & LEG BEST/BIERP Summer '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							
1456211.70N		17558.89W		26 JUL 08		1255		6.5		.		17		3		358		5		9454-116																	
SBE 9+		FLUOR S/N		SBE 43-Oxy (prime)		SBE 43-Oxy (sec)		Transmissometer		PAR S/N		O2 Temp Sensor No.		O2 COND SN		SBE COND SN		SBE COND SN		SBE COND SN		SBE COND SN		SBE COND SN		SBE COND SN		SBE COND SN		SBE COND SN							
PRESS SN		PRI TEMP SN		SEC TEMP SN		PRI COND SN		SEC COND SN		O2 COND SN		SBE COND SN		SBE COND SN		SBE COND SN		SBE COND SN		SBE COND SN		SBE COND SN		SBE COND SN		SBE COND SN		SBE COND SN		SBE COND SN							
No.		DEPT		Roset.		Hydro Team-PMEL		O2-BIT/No		O2 Temp		CHL.		Frac CHL.		DIC		Tom W		Grebe		Masha		Sambrotto		Harvey		Moran/		Shull		Stoeck		Pat		No.	
1		31																																		1	
2		31																																		2	
3		31																																		3	
4		31																																		4	
5																																				5	
6																																				6	
7																																				7	
8																																				8	
9																																				9	
10																																				10	
11																																				11	
12																																				12	

REMARKS

200711

MAX DEPTH = 41 m

[illegible]

[illegible]

VESSEL USCG Healy		CRUISE ID H10803		PROJECT & LEG BEST/BSLRP Summer '08		Ship Designation (I.D.) 140802		STATION NO. 116																																							
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																	
1486211.12N		17510.50W		26 JUL 08		1732		6.8				16		*		(deg)		(kts)		*		*		*		(m)		805E-114																			
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		Tom W		Gordon		Masha		Sambrotto		Harvey		Moran/		Shull		Stocker		Pat																									
No		DESIR		notes		SALT		NUTS		O2-Bt.No		O2 Temp		CHL		Frac CHL		DIC		O18		Coope		M15N		O2/Air		Prod		DON		Lessard		Lomas		Radon		uZoops		Th							
1		26		14/F		23		164						/				/		435																											
2		50				24								/																																	
3		40				25								/																																	
4		35				26								/																																	
5		30				27								/																																	
6		20				28								/																																	
7		10		15/F		29								/				/		436																											
8		0				30								/				/		437																											
9																																															
10																																															
11																																															
12																																															

REMARKS

STD

MAX DEPTH =

100m-76m, 46m, 20m
Biophtd - 30m, 50m, 0m

5 MATHIS
3 WEINS: 0.10, 5+

[illegible]

[illegible]

[illegible]

VESSEL USCG Healy		CRUISE ID H10803		PROJECT & LEG BEST/BSERP, Summer '08		Ship Designation (I.D.) T10802		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																	
1526211.84 N		7331.99 W		27 JUL 08		0302		7.9		5.3		15		2		249		9										635410																			
DEG MIN		DEG MIN		DAY MO YR		HR MIN		°C		°C		(mb)		*		(deg)		(kts)		*		*		*		(m)																					
SBE 9+		PRESS SN		SBE43-Oxy (prime)		SBE43-Oxy (sec)		Transmissometer		PAR S/N		O2 Temp Sensor No.		REMARKS														MAX DEPTH =		m																	
SBE COND SN		Roset.		Hydro Team-PMEI		Tom W		Grabnk		Mastia		Sambrotto		Harvey		Moran/		Shull		Stoeker		Pat																									
No		DEPT H		notes		SALT		NUTS		O2-Btl.No		O2 Temp		CHL		Frac CHL		DIC		O18		Cooper		015N		O2/Air		Prod		DON		Lessard		Lomas		Radon		uZoops		Th							
1		58				52		181										✓		741																											
2		50				53												✓																													
3		40				54												✓																													
4		30				55												✓																													
5		20				56												✓		742																											
6		10				57												✓		743																											
7		0				58		174										✓																													
8																																															
9																																															
10																																															
11																																															
12																																															

Bio-optics - 0m, 40m
cdom - all depths
ALF - 18

[illegible]

[illegible]

VESSEL USCG Healy		CRUISE ID H10803		PROJECT & LEG BEST/BSIERP_Summer '08		Ship Designation (I.D.) 1H0802		STATION NO. 124																
CONSC CAST #	DEG	MIN	SEC	DEG	MIN	SEC	DAY	MO	YR	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	
1566151.54	N			17406.12	W		27	JUL	08	12	49	6.7			13			270	18				7470	MS5
REMARKS STD																								
SBE 9+ _____ FLUOR S/N _____ PRESS SN _____ SBE43-Oxy (prime) _____ PRI TEMP SN _____ SBE43-Oxy (sec) _____ SEC TEMP SN _____ Transmissionmeter _____ PRI COND SN _____ PAR S/N _____ SEC COND SN _____ O2 Temp Sensor No. _____																								
NO	DEPTH	ROSET.	Hydro Team-PWEL	NO	DEPTH	ROSET.	Hydro Team-PWEL	NO	DEPTH	ROSET.	Hydro Team-PWEL	NO	DEPTH	ROSET.	Hydro Team-PWEL	NO	DEPTH	ROSET.	Hydro Team-PWEL	NO	DEPTH	ROSET.	Hydro Team-PWEL	
1	70			60				1	70			60				1	70			60				
2	50			81				2	50			81				2	50			81				
3	40			82				3	40			82				3	40			82				
4	30			83				4	30			83				4	30			83				
5	20			84				5	20			84				5	20			84				
6	10			85				6	10			85				6	10			85				
7	0			86				7	0			86				7	0			86				
8								8								8								
9								9								9								
10								10								10								
11								11								11								
12								12								12								

VESSEL	CRUISE ID	PROJECT & LEG	Ship Designation (I.D.)	STATION NO.																
USCG Healy	H10803	BEST/BSERP Summer '08	1H0802	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					
15761	43.51 N	17350.8 W	27 JUL 08	1416	6.8	.	13	*	270	16	(deg)	(kts)	* * *	7370MS4						
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-PWEL	Tom W	Gibson	Masha	Sambotto	Harvey	Moran	Shull	Stoecker	Pat								
No	DESIRED	notes	SALT	NUTS	O2-Btl.No	O2 Temp	CHL.	Frac CHL.	DIC	O18	Cooper-15N	OZ/Air	Prod	DON	Iceland	Lomas	Raddon	μZoops	Th	No
1	68			87	197	/														1
2	50			88		/														2
3	40			89		/														3
4	30			90		/														4
5	20			91		/														5
6	10			92		/														6
7	0			93		/														7
8																				8
9																				9
10																				10
11																				11
12																				12

REMARKS

SIT

Chl max @ 3m

MAX DEPTH = 68 m

VESSEL USCG Healy		CRUISE ID H10803		PROJECT & LEG BEST/BSERP_Summer '08		Ship Designation (I.D.) 1H0802		STATION NO. 126													
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)	WEATHER	BOTTOM DEPTH	STA. NAME/ID
1586133.63N				17342.57W			27	JUL	08	1536	6.8		13			270	17			7370MS	
REMARKS STD MAX DEPTH = 68 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.											
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.											
NIS DEPTH		Roset.		Hydro Team-PMEL		Tom w		Grebe		Masha		Sambrotto		Harvey		Moran		Shull		Stockier	
No	DEPTED	notes	SALT	NUTS	O2-B/L No	O2 Temp	CHL	Frac CHL	DIC	O18	Cooper	015N	O2/Air	Prod	DON	Lessard	Lomas	Radon	Th	No.	NIS
1	68			94						753										1	1
2	60			95																2	2
3	40			96																3	3
4	30			97																4	4
5	20			98																5	5
6	10			99						754										6	6
7	0			100					1	755										7	7
8																				8	8
9																				9	9
10																				10	10
11																				11	11
12																				12	12

2 MARTES

VESSEL	CRUISE ID	PROJECT & LEG	Ship Designation (I.D.)	STATION NO.
USCG Healy	H10803	BEST/BSERP Summer '08	1H0802	126
CONSC CAST #	DEG	LATITUDE MIN	LONGITUDE DEG MIN	TIME (GMT) HR MIN
15961	33.12N	17341.41W	27 JUL 08	1617
SBE 9+		FLUOR S/N		DRY BULB (°C)
PRESS SN		SBE43-Oxy (prime)		WET BULB (°C)
PRI TEMP SN		SBE43-Oxy (sec)		PRESSURE (mb)
SEC TEMP SN		Transmissometer		* * SEA STATE VISIBILITY
PRI COND SN		PAR S/N		WIND DIRN. (deg)
SEC COND SN		O2 Temp Sensor No.		WIND SPD. (kts)
NIS	DEPTH	Roset.	Hydro Team-PMEL	CLOUD (amt)
No	DESIRED notes	SALT	NUTS	OZ/BUL
1	70	A1 101		PROD
2	58	A2 102		DON
3	34	A3 103		Harvey
4	32	A4 104		Moran/Lomas
5	30	A5 105		Shull
6	22	A6 106		Stoeker
7	15	A7 107		Pat
8	7	A8 108		No
9	7			
10	7			
11	0	An 109		
12				

VESSEL USCG Healy		CRUISE ID H10803		PROJECT & LEG BEST/BSERP Summer '08		Ship Designation (I.D.) H10802		STATION NO. 127																
CONSC CAST #	DEG	LATITUDE MIN		DEG	LONGITUDE MIN		DAY	MO	YR															
16061	24	74 N		173	44		37	W	27 JUL 08															
SBE 9+ PRESS SN PRT TEMP SN SEC TEMP SN PRT COND SN SEC COND SN		FLUOR S/N SBE43-Oxy (preme) SBE43-Oxy (sec) Transmissometer PAR S/N		REMARKS STD																				
02 Trip Sensor No.																								
No	DEPTH	Reset.	Hydro Team: P-M-E-L	Tom W	Grebek	Masha	Santobotto	Harvey	Moran/	Shul	Stoeker	Pat	No											
	DESIRED	notes	SALT	NUTS	O2-Bd.No	O2 Temp	CHL	Frac CHL	DIC	O18	Coope	01SN	O2/Ar	Prod	DON	Lessard	Lomas	Radon	uZooops	Th				
1	71		18/1	110	213		/																	1
2	50			111			/																	2
3	40			112			/																	3
4	30			113			/																	4
5	20			114			/																	5
6	10		19/1	115			/																	6
7	0			116			/																	7
8																								8
9																								9
10																								10
11																								11
12																								12

0-213

[illegible]

VESSEL		CRUISE ID		PROJECT & LEG		Ship Designation (I.D.)		STATION NO.														
USCG Healy		H10803		BEST/BSIERP Summer '08		1H0802		130														
CONSC	DEG	LATITUDE		DEG	LONGITUDE		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 #											(°C)	(°C)	(mb)	*	*	(deg)	(kts)	*	*	(m)		
1636054		68	N	7349		25	W	27	JUL	08	23	20	6.4	6.2	15	23	11	17			\$070M49	
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 Trip Sensor No. _____																						
REMARKS																						
MAX DEPTH = _____ m																						
MS	DEPTH	Roset.	Hydro Team-PNEL	Tom W	Grebe	Masha	Sambrotto	Harvey	Moran/	Shull	Stoeker	Pat	NS									
No	DESIRED	notes	SALT	NUTS	O2-B/L	No	O2 Temp	CHL	Frac CHL	DMC	O18	Cooper	15N	O2/Ar	Prod	DON	Lessard	Lomas	Radon	μZoops	Th	No
1	76			131																		1
2	50			132																		2
3	40			133																		3
4	30			134																		4
5	20			135																		5
6	10			136																		6
7	0			137																		7
8																						8
9																						9
10																						10
11																						11
12																						12

ALF

[illegible]

[illegible]

[illegible]

[illegible]

[illegible]

VESSEL USCG Healy		CRUISE ID H10803		PROJECT & LEG BEST/BSERP-Summer '08		Ship Designation (I.D.) 110802		STATION NO. 136														
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)	WEATHER	BOTTOM DEPTH (m)	STA. NAME/ID
1696002.75	N	17301.54		W	28		JUL	08	08	06	6.7			18			247	9			6720m43	
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																						
Tom W Grebm Masbia Sambrotto Harvey Moran/ Shul Stoeker Pat 018 Coope 015N 02/Ar Prod DON Lessard Lomas Radon 020ops Th																						
No	DEPT	notes	SALT	NUTS	02-Btl	No	02 Temp	CHL	Frac CHL	DIC	018	Coope	015N	02/Ar	Prod	DON	Lessard	Lomas	Radon	020ops	Th	No
1	64		20/F	15	106			/														1
2	50		21/F	16				/														2
3	40			17				/														3
4	30			18				/														4
5	20			19				/														5
6	10			20				/														6
7	0			21				/														7
8																						8
9																						9
10																						10
11																						11
12																						12

2 MATHIAS

VESSEL USCG Healy		CRUISE ID H10803		PROJECT & LEG BEST/BSERP Summer '08		Ship Designation (I.D.) 1H0802		STATION NO. 137																																			
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													
1705959.93N		17243.16W		28 JUL 08		09106.5		18		24810		6870m42																															
SBE 9+		FLUOR S/N		SBE 43-Oxy (prime)		SBE 43-Oxy (sec)		Transducer		PAR S/N		O2 Temp Sensor No.																															
PRESS SN		SEC TEMP SN		SEC COND SN		SEC COND SN																																					
No.		DEPTH		Roset.		Hydro Team-FMEL		SALT		NUTS		O2-Btl/No		O2 Temp		CHL.		Frac CHL.		DIC		Tom W		Grtm		Cooper		Masha		Sambrotto		Harvey		Moran/		Shull		Stoeker		Pat		No.	
1		65						22														018																		1			
2		50						23																														2					
3		40						24																														3					
4		30						25																														4					
5		20						26																														5					
6		10						27																														6					
7		0						28				086																										7					
8																																						8					
9																																						9					
10																																						10					
11																																						11					
12																																						12					

O₂ - 086, swf
O₂ M11+15

VESSEL USCG Healy		CRUISE ID H10803		PROJECT & LEG BEST/BSERP Summer '08		Ship Designation (I.D.) H0802		STATION NO. 138																																	
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											
171		59 54.10 N		172 25.25 W		28 JUL 08		10 28		6.8		18		260		7		74		20m		41																			
SBE 9+		FLUOR S/N		SBE 43-Oxy (prime)		SBE 43-Oxy (sec)		Transducer		PAR S/N		O2 Temp Sensor No.		REMARKS		MAX DEPTH = 71 m																									
PRESS SN		SBE 43-Oxy (prime)		SBE 43-Oxy (sec)		Transducer		PAR S/N		O2 Temp Sensor No.		REMARKS		MAX DEPTH = 71 m																											
PRT TEMP SN		SBE 43-Oxy (prime)		SBE 43-Oxy (sec)		Transducer		PAR S/N		O2 Temp Sensor No.		REMARKS		MAX DEPTH = 71 m																											
SEC TEMP SN		SBE 43-Oxy (prime)		SBE 43-Oxy (sec)		Transducer		PAR S/N		O2 Temp Sensor No.		REMARKS		MAX DEPTH = 71 m																											
PRT COND SN		SBE 43-Oxy (prime)		SBE 43-Oxy (sec)		Transducer		PAR S/N		O2 Temp Sensor No.		REMARKS		MAX DEPTH = 71 m																											
SEC COND SN		SBE 43-Oxy (prime)		SBE 43-Oxy (sec)		Transducer		PAR S/N		O2 Temp Sensor No.		REMARKS		MAX DEPTH = 71 m																											
No.		DEPTH		Roset.		Hydro Team PMEL		SALT		NUTS		O2-Btl/No		O2 Temp		CHL.		Frac CHL.		DIC		Tom W		Gatm		Masha		Sambrotto		Harvey		Moran		Shull		Stoeker		Pat		No.	
1		70						29		200						1																						1			
2		50						30								1																						2			
3		40						31								1																						3			
4		30						32								1																						4			
5		20						33								1																						5			
6		10						34								1																						6			
7		0						35								1																						7			
8																																						8			
9																																						9			
10																																						10			
11																																						11			
12																																						12			

6 MONTHS

264

[illegible]

VESSEL USCG Healy		CRUISE ID H10803		PROJECT & LEG BEST/BSERP_Summer '08		Ship Designation (I.D.) 1H0802		STATION NO. 142																																			
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													
175		43.41 N		171.08.71 W		28 JUL 08		14 48		6.5		18		*		*		262		5		*		*		*		7270		M37													
SBE 9+		FLUOR S/N		SBE 43-Oxy (prime)		SBE 43-Oxy (sec)		Transmission		PAR S/N		O2 Temp Sensor No.		REMARKS		MAX DEPTH = 70 m																											
PRESS SN		PRI TEMP SN		SEC TEMP SN		PRI COND SN		SEC COND SN																																			
No.		DEPT		Rosel.		Hydro Team		PMEL		Tom W		Grebe		Masha		Sambrotto		Harvey		Moran		Shull		Stoecker		Pat		NIS															
No.		DEPT		notes		SALT		MUTS		O2-BU/No		O2 Temp		CHL.		Frac CHL.		DIC		O18		Cooper		O15N		O2/Ar		Prod		DON		Lessard		Lomas		Radon		Juzoogs		Th		No	
1		70						9		175				/																													
2		59						10						/																													
3		40						11						/																													
4		30						12						/																													
5		20						13						/																													
6		10						14						/																													
7		0						15						/																													
8																																											
9																																											
10																																											
11																																											
12																																											

2 MATTERS

VESSEL USCG Healy		CRUISE ID H10803		PROJECT & LEG BEST/BSERP_Summer '08		Ship Designation (I.D.) 1H0802		STATION NO. 144														
CONSC CAST #	DEG	MIN	LATITUDE	DEG	MIN	LONGITUDE	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
1775926.20	N	17052.75	W	28	JUL	08	17	22	6.2	19	203	1	7270	M35								
SBE 9+ _____ FLUOR S/N _____ PRESS SN _____ SBE-43-Oxy (prime) _____ PNI TEMP SN _____ SBE-43-Oxy (sec) _____ SEC TEMP SN _____ Transmissometer _____ PNI COND SN _____ PAR S/N _____ SEC COND SN _____ 02 Temp Sensor No. _____																						
REMARKS																						
No. DESIRED notes SALT NUTS 02-Btl No 02 Temp CHL. Frac CHL. DIC Tom W Grebm Masha Sambrotto DON Harvey Lessard Moran/ Shul Stoeker Pat No.																						
1	68		26	136																		
2	50		27																			
3	40		28																			
4	30		29																			
5	20		30																			
6	10		31																			
7	0		32																			
8																						
9																						
10																						
11																						
12																						

MAX DEPTH = 68 m

VESSEL USCG Healy		CRUISE ID H10903		PROJECT & LEG BEST/BSIERP Summer '08		Ship Designation (I.D.) 140802		STATION NO. 146																
CONSC CAST #	DEG	MIN	LATITUDE	DEG	MIN	LONGITUDE	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	
17959	15	61	N	17022	57	W	28	JUL	08	1928	6	9			19			110	1				6870M33	
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																								
NIS DEPTH Roset. Hydro Team-PHEL No. DESIRED notes SALT NUTS O2-Btl No O2 Temp CHL. Frac CHL. DIC Tom W Grebm Masha Prod Sambroto DON Harvey Lessard Moran/ Shull Stoeker Pat No.																								
1	65			46	219					729														
2	50			41																				
3	40			42																				
4	30			43																				
5	29			44																				
6	10			45																				
7	0			46																				
8																								
9																								
10																								
11																								
12																								

2 MATHEIS

VESSEL USCG Healy		CRUISE ID H10803		PROJECT & LEG BEST/BSIERP_Summer '08		Ship Designation (I.D.) 1H0802		STATION NO. 148	
CONSC CAST #	DEG	LATITUDE MIN		DEG	LONGITUDE MIN		DAY	MO	YR
181	58	57.10 N		170	19.40 W		28	JUL	08
TIME (GMT)		HR	MIN	DRY BULB (°C)	WET BULB (°C)	PRESSURE (mb)	SEA STATE	VISIBILITY	WIND DIRN. (deg)
2140		6	3	4	8	19			185
WIND SPD. (kts)		CLOUD (amt)	TYPE	WEATHER	BOTTOM DEPTH (m)	STA. NAME/ID			
02					7070	m31			
REMARKS									
MAX DEPTH = m									
SBE 9+ _____ FLUOR S/N _____ PRESS SN _____ SBE43-Oxy (prime) _____ PRI TEMP SN _____ SBE43-Oxy (sec) _____ SEC TEMP SN _____ Transmissometer _____ PRI COND SN _____ PAR S/N _____ SEC COND SN _____ O2 Temp Sensor No. _____									
NO	DEPTH	ROSET	Hydro Team-PMEL	Tom W	Grabber	Masha	Sambratto	Harvey	Moran/
1	66	notes	SALT	NUTS	O2-BU	No	O2/Ar	Prod	DON
2	50			53	239				
3	40			54					
4	30			55					
5	20			57					
6	10			58					
7	0			59					
8				60					
9									
10									
11									
12									

Trill fish tentacles very rare
fewed temperature

VESSEL		CRUISE ID		PROJECT & LEG		Ship Designation (I.D.)		STATION NO.															
USCG Healy		H10803		BEST/BSIERP Summer '08		1H0802		149															
CONSC	DEG	LATITUDE	DEG	MIN	LONGITUDE	DEG	MIN	DAY	MO	YR	TIME (GMT)	DRY BULB	WET BULB	PRESSURE	SEA STATE	VISIBILITY	WIND DIR.	WIND SPD.	CLOUD (amt)	TYPE	WEATHER	BOTTOM DEPTH	STA. NAME/ID
CAST #												(°C)	(°C)	(mb)	*	*	(deg)	(kts)	*	*	*	(m)	
1	82	58	47	09	N	170	17	34	W	28	JUL	08	22	22	56	7.2	4.5	19	140	08		7070	M30
SBE 9+ _____ FLUOR S/N _____ PRESS SN _____ SBE43-Oxy (prime) _____ PRI TEMP SN _____ SBE43-Oxy (sec) _____ SEC TEMP SN _____ Transmissionmeter _____ PRI COND SN _____ PAR S/N _____ SEC COND SN _____ 02 Temp Sensor No. _____																							
REMARKS																							
DEPTH Roset. Hydro Team-PHEL DESIRED notes SALT NLTS 02-BU.No 02 Temp CHL. Frac CHL. DIC Tan W Grabme Masha Sambrotto DOON Lessard Harvey Moran/ Lomas Radon Shull Stoeker Pat 1 67 61 62 774 2 50 62 3 40 63 4 30 64 5 20 65 6 10 66 7 0 67 163 8 9 10 11 12																							

[illegible]

VESSEL	CRUISE ID	PROJECT & LEG	Ship Designation (I.D.)	STATION NO.
USCG Healy	H10803	BEST/BSIERP_Summer '08	H10802	151
CONSC CAST #	DEG	LATITUDE MIN	LONGITUDE DEG MIN	TIME (GMT) HR MIN
1845826.95N			17016.77W	02107.2
SBE 9+		FILOR S/N	DRY BULB (°C)	WET BULB (°C)
PRESS SN		SBE-43-Oxy (prime)	(°C)	(mb)
PRI TEMP SN		SBE-43-Oxy (sec)		* * *
SEC TEMP SN		Transmissometer		WIND DIRN. (deg)
PRI COND SN		PAR S/N		WIND SPD. (kts)
SEC COND SN		O2 Temp Sensor No.		CLOUD (amt) TYPE WEATHER
NIS DEPTH Roset	Hydro Team-PHEL	Tow W Grebm Masht Sambroto DON Lessard Moran/ Shull Stoeker Pat		BOTTOM DEPTH (m)
No DESIRED notes SALT NLTS O2-Btl.No O2 Temp CHL. Frac CHL DIC OT8 Coope-01SN O2/Air Prod				STA. NAME/ID
1 69				7370M28
2 50				
3 40				
4 30				
5 20				
6 10				
7 0				
8				
9				
10				
11				
12				

VESSEL USCG Healy		CRUISE ID H10803		PROJECT & LEG BEST/BSERP_Summer '08		Ship Designation (I.D.) H10802		STATION NO. 152												
CONSC CAST #	LATITUDE		LONGITUDE		TIME (GMT)		DRY BULB (°C)	WET BULB (°C)	PRESSURE (mb)	SEA STATE *	VISIBILITY *	WIND DIRN, (deg)	WIND SPD, (kts)	CLOUD (amt) *	WEATHER *	BOTTOM DEPTH (m)	STA. NAME/ID			
1855816.82 N	DEG	MIN	DEG	MIN	DAY	MO	YR	HR	MIN	6.8	4.7	18	10001			7270M27				
SBE 9+ PRES SN PRI TEMP SN SEC TEMP SN PRI COND SN SEC COND SN FLUOR S/N SBE 43-Oxy (pHme) SBE 43-Oxy (sec) Transmissometer PAR S/N O2 Temp Sensor No.																				
REMARKS																				
MAX. DEPTH = m																				
NO.	DEPTH	ROSET.	Hydro Team-PMEL	SALT	NUTS	O2-Btl/No	O2 Temp	CHL	Frac CHL	DIC	Tom W	Gredmk	Masha	Sambrotto	Harvey	Moran/	Shull	Stoeker	Pat	NO.
1	67				82	220					777									1
2	50				83															2
3	40				84															3
4	30				85															4
5	20				86															5
6	10				87															6
7	0				88															7
8																				8
9																				9
10																				10
11																				11
12																				12

b/c optica - 0m, 30m, 50m
cdm - all dup
ALF-

VESSEL USCG Healy		CRUISE ID H10803		PROJECT & LEG BEST/BSERP_Summer '08		Ship Designation (I.D.) 110802		STATION NO. 153																	
CONSC CAST #	DEG	MIN	LATITUDE	DEG	MIN	LONGITUDE	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	
1865808	08	76	N	16954	49	W	29	JUL	08	0509	7	3	4.7	18	65	6								7870M26	
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																									
NIS DEPTH Roset. Hydro Team-PMEL Tom W Grebm Masha Sanbroto DON Harvey Moran/ Shull Stoeker Pat NIS No DESIRED notes SALT NUTS O2-Btl No O2 Temp CHL Frac CHL DIC O18 Coope 015N O2/Air Prod Lomas Radon jZoops Th No 1 68 89 90 91 92 93 94 95 2 50 90 91 92 93 94 95 3 60 91 92 93 94 95 4 40 91 92 93 94 95 5 30 92 93 94 95 6 23 93 94 95 7 20 93 94 95 8 15 94 95 9 10 94 95 10 10 94 95 11 6 94 95 12 0 94 95																									

Important
order

VESSEL USCG Healy				CRUISE ID H10803				PROJECT & LEG BEST /BSIERP_Summer '08				Ship Designation (I.D.) 1H0802				STATION NO. 154											
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	HR	MIN	(°C)	(°C)	(mb)	*	*	(deg)	(kts)	*	*	(m)								
187	5802.88 N	169	38.81 W	29	JUL	08	06	39	6.5	4.6	18				163	7			7970	M25							
SBE 9+				FLUOR S/N																							
PRESS SN				SBE43-Oxy (prime)																							
PIR TEMP SN				SBE43-Oxy (sec)																							
SEC TEMP SN				Transmissometer																							
PIR COND SN				PAR S/N																							
SEC COND SN				O2 Trip Sensor No.																							
NIS DEPTH		Roset.		Hydro Team-PWEL				Tom W		Grebnk		Masha		Sanbroto		Harvey		Moran/		Shull		Stoecker		Pat		NIS	
No	DESIRER	notes		SALT	NUTS	O2-BU.No	O2 Temp	CHL.	Frac CHL.	DIC	O18	Cooper	01SN	O2/Air	Prod	DON	Lessard	Lomas	Radon	jZoops	Th			No			
1	66				76																			1			
2	50				97																			2			
3	40				98																			3			
4	30				99																			4			
5	20				100																			5			
6	10				101																			6			
7	0				102	222																		7			
8																								8			
9																								9			
10																								10			
11																								11			
12																								12			

VESSEL USCG Healy		CRUISE ID H10803		PROJECT & LEG BEST/BSIEBP_Summer '08		SHIP Designation (I.D.) H10802		STATION NO. 155															
CONSC CAST #	DEG	MIN	LATITUDE	DEG	MIN	LONGITUDE	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	
188	57	58	51 N	16	21	72 W	29	JUL	08	08	00	6	0	19	*	*	085	3	*	*	68	70214	
REMARKS SBE 9+ _____ FLUOR S/N _____ PRESS SN _____ SBE 43-Oxy (prime) _____ PRT TEMP SN _____ SBE 43-Oxy (sec) _____ SEC TEMP SN _____ Transducer _____ PRT COND SN _____ PAR S/N _____ SEC COND SN _____ 02 Temp Sensor No. _____ CHL MAX @ 20M																							
NIS DEPTH		Roset.		Hydro Team-PMEI		Tom W		Gedline		Mascha		Sambrotto		Harvey		Moran/		Shull		Stoeker		Pat	
No	DESID	notes	SALT	NUTS	02-BtlNo	02 Temp	CHL	Frac CHL	DIC	018	Coope	01SN	02/Ar	Prod	DON	Lessard	Lomas	Radon	uZoops	Th	No	No	
1	66			103	168		/														1	1	
2	50			104			/														2	2	
3	40			105			/														3	3	
4	30			106			/														4	4	
5	20			107			/														5	5	
6	10			108			/														6	6	
7	0			109			/														7	7	
8																					8	8	
9																					9	9	
10																					10	10	
11																					11	11	
12																					12	12	

Chloro May 20

VESSEL USCG Healy		CRUISE ID H10803		PROJECT & LEG BEST/BSIERP_Summer '08		Ship Designation (I.D.) 1H0802		STATION NO. 156									
CONSC CAST #	LATITUDE DEG MIN	LONGITUDE DEG 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
1895754.62	N	16903.89	W	29	JUL	08	0918	5.4		19		050	9			6870M23	
SBE 9+		FLUXUS 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.															
DEPTH	Roset.	Hydro Team-PNEL					Tom W	Grebme	Masha	Sambrotto	Harvey	Moran/	Shull	Stoeker	Pat		
DESIRED	notes	SALT	NUTS	O2-Rtl.No	O2 Temp	CHL.	Frac CHL.	DIC	O18	Coope	alSN	O2/Ae	Prod	DON	lessard	Lomas	Radon
1	67		110						780								
2	50		111														
3	40		112														
4	30		113														
5	20		114														
6	10		115														
7	0		116		199												
8																	
9																	
10																	
11																	
12																	

REMARKS

STD

CHL MAX @ ~23m

MAX DEPTH = 67 m

VESSEL	CRUISE ID	PROJECT & LEG	Ship Designation (I.D.)	STATION NO.
USCG Healy	H10803	BEST/BSIERP_Summer '08	1H0802	

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/D
CAST #	DEG	MIN		DEG	MIN		DAY	MO	YR	HR	MIN	(°C)	(°C)	(mb)	*	*	(deg)	(kts)	*	*	*	(m)															
1905750.63 N				16853.58 W			29	JUL	08	10	51	5.1	.	19	*	*	059	5	*	*	*	71	70M22														
SBE 9+				FLUOR S/N																																	
PRESS SN				SBE-3-Oxy (prime)																																	
PRI TEMP SN				SBE-3-Oxy (sec)																																	
SEC TEMP SN				Transmissometer																																	
PRI COND SN				PAR S/N																																	
SEC COND SN				O2 Temp Sensor No.																																	
NIS	DEPTH	Roset.	Hydro Team-PHEL	Town W	Gebert	Masha	Sambrotto	Harvey	Moran/	Shull	Stoeker	Pat	NIS																								
No.	DESIRED	notes	SALT	NUTS	O2-Btl.No	O2 Temp	CHL.	Frac CHL.	DIC	O18	Cooper	δ15N	O2/Air	Prod	DON	Lessard	Lomas	Radon	pZoopis	Th	No.																
1	69			117	* O16	/															1																
2	50			118	/																2																
3	40			119	/																3																
4	30			120	/																4																
5	20			121	/																5																
6	10			122	/																6																
7	0			123	/																7																
8																					8																
9																					9																
10																					10																
11																					11																
12																					12																

REMARKS

STD

CHL MAX @ 18m

MAX DEPTH = 69 m

VESSEL USCG Healy		CRUISE ID H10803		PROJECT & LEG BEST/BSIERP Summer '08		Ship Designation (I.D.) 1H0802		STATION NO. 158															
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
1915737.84 N				16848.81 W			29	JUL	08	1252	5.0			19			123	7				7070M20	
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 STD CAL MAX @ 27																							
NIS DEPTH Roset. Hydro Team-PWEL Tom W Grebner Mascha Sanbroto Harvey Moran/ Shull Stoeker Pat No DESIRED notes SALT NUTS O2-Btl No O2 Temp CHL. Frac CHL. DIC O18 Coope 015N O2/Ar Prod DON Lessard Lomas Radon uZoops Th No																							
1	68			124																			1
2	50			125																			2
3	40			126																			3
4	30			127																			4
5	20			128																			5
6	10			129																			6
7	0			130	205																		7
8																							8
9																							9
10																							10
11																							11
12																							12

2 MATHERS

[illegible]

VESSEL USCG Healy		CRUISE ID H10803		PROJECT & LEG BEST/BSERP Summer '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													
19451229.99 N		16759.35 W		29 JUL 08		18024.2		19		050		8		7170M		17																											
SBE 9+		FLUOR S/N		SBE43-Oxy (prime)		SBE43-Oxy (sec)		Transmissometer		PAR S/N		O2 Trp Sensor No.		REMARKS		STD		CAL AX @ 25M		MAX DEPTH = 69 m																							
PRESS SN		PRT TEMP SN		SEC TEMP SN		PRT COND SN		SEC COND SN																																			
No.		DEPTH		Roset.		Hydro Team		PMEL		Tom W		Grebnk		Masha		Sambrotto		Harvey		Moran/		Shull		Stoeker		Pat		No.															
No.		DESIRED		notes		SALT		MUTS		O2-Btl No		O2 Temp		CHL		Frac CHL		DIC		O18		Coop		b15N		O2/Ar		Prod		DON		Lessard		Lomas		Radon		μZooops		Th			
1		69						9		187				/																													
2		50						10																																			
3		40						11						/																													
4		30						12						/																													
5		25						13						/																													
6		20						14						/																													
7		10						15						/																													
8		0						16						/																													
9																																											
10																																											
11																																											
12																																											

2 MARTIES

VESSEL USCG Healy		CRUISE ID H10803		PROJECT & LEG BEST/BSIERP_Summer '08		Ship Designation (I.D.) 1H0802		STATION NO. 162												
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	
1955730.07 N			6740.25 W		29	JUL	08	1937	5.0	4.2	20	*	*	33	4				7120m16	
SBE 9+																				
PRESS SN																				
PRI TEMP SN																				
SEC TEMP SN																				
PRI COND SN																				
SEC COND SN																				
FLUOR S/N																				
SBE43-Oxy (prime)																				
SBE43-Oxy (sec)																				
Transmissometer																				
PAR S/N																				
O2 Temp Sensor No.																				
MIS	DEPTH	Roset.	Hydro Team-PME.																	
No	DESIRED	notes	SALT	NUTS	O2-BULNo	O2 Temp	CHL.	Frac CHL.	DIC											
1	67			17	119															
2	50			18																
3	40			19																
4	30			20																
5	20			21																
6	10			22																
7	0			23																
8																				
9																				
10																				
11																				
12																				

MAX DEPTH = m

Chl max @

VESSEL USCG Healy CRUISE ID H10803 PROJECT & LEG BEST/BSERP Summer '08 Shp Designation (I.D.) 1H0802 STATION NO. 163

CONSC CAST #	LATITUDE		LONGITUDE		TIME (GMT)	DRY BULB (°C)	WET BULB (°C)	PRESSURE (mb)	SEA STATE *	VISIBILITY *	WIND DIRN. (deg)	WIND SPD. (kts)	CLOUD (amt) *	WEATHER *	BOTTOM DEPTH (m)	STA. NAME/ID		
	DEG	MIN	DEG	MIN														
196	57	30	10	N	16	21	05	W	29	JUL	08	21	11	5.5	4.7	19	33506	7076m15

REMARKS

MAX. DEPTH =

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. _____

NS	DEPTH	Roset.	Hydro Team: PMEL	Tom W	Grebner	Masha	Sambrotto	Harvey	Moran/	Shull	Stoecker	Pat	NS								
No.	DESIRED	notes	SALT	MUTS	O2-BU/NO	O2 Temp	CHL.	Frac CHL.	DIC	O18	Cooper	15N	O2/Air	Prod	DON	Lessard	Lomas	Radon	uZoop	Th	No.
	66			24	171					286											1
	50			25																	2
	40			26																	3
	30			27																	4
	20			28																	5
	10			29																	6
	0			30																	7
																					8
																					9
																					10
																					11
																					12

These
are
done
not
analyzed

VESSEL		CRUISE ID		PROJECT & LEG				Ship Designation (I.D.)				STATION NO.												
USCG Healy		H10803		BEST/BSIERP_Summer '08				H10802				164												
CONSC	CAST #	DEG	LATITUDE	MIN	DEG	MIN	DAY	MO	YR	HR	MIN	DRY BULB	WET BULB	PRESSURE	SEA STATE	VISIBILITY	WIND DIRN.	WIND SPD.	CLOUD (amt)	TYPE	WEATHER	BOTTOM DEPTH	STA. NAME/ID	
	1975731	48	N	16	702	55	W	29	JUL	08	22	40	6.0	5.0	29	*	*	358	06	*	*	*	7070M	14
REMARKS																								
MAX DEPTH =																								
SBE 9+																								
PRESS SN																								
PRI TEMP SN																								
SEC TEMP SN																								
PRI COND SN																								
SEC COND SN																								
Q2 Temp Sensor No.																								
FLUOR S/N																								
SBE43-Oxy (prime)																								
SBE43-Oxy (sec)																								
Transmissometer																								
PAR S/N																								
Q2 Temp Sensor No.																								
Tom W																								
Grebe																								
Masina																								
O2/Air																								
Prod																								
Sambrotto																								
DON																								
Harvey																								
Lassard																								
Moran/																								
Radon																								
Shull																								
Stoeker																								
Th																								
No																								

VESSEL USCG Healy		CRUISE ID H10803		PROJECT & LEG BEST/BSIExp Summer '08		Ship Designation (I.D.) TH0802		STATION NO. 165										
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	
1985725.67N	DEG	MIN	DEG	MIN	DAY	MO	YR	HR	MIN	(°C)	(°C)	(mb)	*	(deg)	(kts)	*	(m)	7070413
REMARKS SBE 9+ _____ FLUOR S/N _____ PRESS SN _____ SBE43-Oxy (prime) _____ PII TEMP SN _____ SBE43-Oxy (sec) _____ SEC TEMP SN _____ Transducer _____ PII COND SN _____ PAR S/N _____ SEC COND SN _____ O2 Temp Sensor No. _____																		
NIS DEPTH Roset. Hydro Team-PMEL No DESIRED notes SALT NUTS O2-BU/NO O2 Temp CHL Frac CHL DIC Ton W Greiner Mashta Sambrotto Harvey Moran/ Shull Stoeker Pat 1 67 98 99 100 101 102 103 104 105 106 107 108 109 110 111 112																		

[illegible]

VESSEL USCG Healy		CRUISE ID H10803		PROJECT & LEG BEST/BSIRP, Summer '08		Ship Designation (I.D.) 1H0802		STATION NO. 167																
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	
200	57	18.98 N		66	19.82 W		30	JUL	08	03	25	7.7	6.5	20			16	4					7/20/11	
SBE 9+ _____ FLUOR S/N _____ PRESS SN _____ SBE43-Oxy (prime) _____ PRI TEMP SN _____ SBE43-Oxy (sec) _____ SEC TEMP SN _____ Transmissometer _____ PRI COND SN _____ PAR S/N _____ SEC COND SN _____ O2 Temp Sensor No. _____																								
REMARKS																								
NIS DEPTH Roset. Hydro Team: PMEL No. DESIRED notes SALT NUTS O2-Btl. No O2 Temp CHL. Frac CHL. DIC Ton W Grebnk Masha Sambrotto Harvey Moran/ Shull Stoeker Pat NIS 1 66 112 289 1 1 2 56 113 114 2 2 3 40 114 115 3 3 4 30 115 116 4 4 5 20 116 117 5 5 6 10 117 118 6 6 7 0 118 119 7 7 8 119 120 8 8 9 120 121 9 9 10 121 122 10 10 11 122 123 11 11 12 123 124 12 12																								

[illegible]

[illegible]

VESSEL: USCg Healy CRUISE ID: H10803 PROJECT & LFG: BEST/BIERP Summer '08 SHIP Designation (I.D.): H10802 STATION NO. 170

CONSC CAST #	2035706	LATITUDE	65 N	LONGITUDE	16536.26 W	DAY	30	MO	JUL	YR	08	TIME (GMT)	0712	DRY BULB	27.7	WET BULB	6.4	PRESSURE		SEA STATE	*	VISIBILITY		WIND DIRN	34	WIND SPD	4	CLOUD (amt)		WEATHER		BOTTOM DEPTH	7120	STA. NAME/ID	M08
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SBE 9+ _____ FLUOR S/N _____
PRESS SN _____ SBE 43-Oxy (prime) _____
PRI TEMP SN _____ SBE 43-Oxy (sec) _____
SEC TEMP SN _____ Transmissometer _____
PRI COND SN _____ PAR S/N _____
SEC COND SN _____ O2 Temp Sensor No. _____

REMARKS

MAX DEPTH = _____ m

No.	DEPTH	Desired	Notes	SALT	NUTS	O2-Bt No	O2 Temp	CHL	Frac CHL	DIC	Tom W	Grebnk	Coope	blsn	O2/Ar	Prod	Sambratto	DON	Harvey	Lessard	Moran/	Shull	Stoeker	Pat	No.
1	66				133																				1
2	50																								2
3	40																								3
4	30																								4
5	20																								5
6	10																								6
7	0																								7
8																									8
9																									9
10																									10
11																									11
12																									12

theory #
added
dwn 0
N01
analysis

[illegible]

VESSEL USCG Healy		CRUISE ID H10803		PROJECT & LEG BEST/BSIENP Summer '08		Ship Designation (I.D.) H10802		STATION NO. 172								
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/D
205	56	53.56 N	165	08.19 W	30 JUL 08	1003	7.6	21	33	13	173	72m	66			
SBE 9+ _____ FLUOR S/N _____ PRESS SN _____ SBE 43-Oxy (prime) _____ PRI TEMP SN _____ SBE 43-Oxy (sec) _____ SEC TEMP SN _____ Transmissometer _____ PRI COND SN _____ PAR S/N _____ SEC COND SN _____ O2 Temp Sensor No. _____																
REMARKS STD CHL MAX @ 22m																
NIS DEPTH Roset. Hydro Team-PMEL No DESRED notes SALT NLTS O2-Bit/No O2 Temp CHL Frac CHL DIC Tom W Grebm Coope 615N Masha O2/Ar Prod Sambrotto DON Harvey Lessard Moran/ Lomas Radon Shull Stocker Pat No																
1	71		148						792							
2	50		149						793							
3	40		150													
4	30		151													
5	20		152													
6	10		153													
7	0		154						794							
8																
9																
10																
11																
12																

O₂ surface

VESSEL USCG Healy		CRUISE ID H10803		PROJECT & LEG BEST/BSERP_Summer '08		SHIP Designation (I.D.) H10802		STATION NO. 173														
CONSC CAST #	DEG	MIN	LATITUDE	DEG	MIN	LONGITUDE	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
2065654	54	65	N	164	50	19	W	30	JUL	08	11	46	7.8	.	21	.	325	8	.	.	7370m	05
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 CPL MAX @ 30m																						
No		DEPTH	Reset	Hydro Team-PNEL		Tom W		Gekne	Masha	Sambrotto	Harvey	Moran	Shull	Stoecker	Pat	No						
DESRED		notes	SALT	NUTS	O2-Btl.No	O2 Temp	CHL	Frac CHL	DIC	018	Coope	015N	O2/Ar	Prod	DON	Lessard	Lomas	Radon	uZoops	Th	No	
1	69			31			/															1
2	50			32	150		/															2
3	40			33			/															3
4	30			34			/															4
5	20			35			/															5
6	10			36			/															6
7	0			37			/															7
8																						8
9																						9
10																						10
11																						11
12																						12

2 MASH'S

VESSEL		CRUISE ID		PROJECT & LEG		Ship Designation (I.D.)		STATION NO.																																																																																																																																																																																																																																																																																																																				
USCG Healy		H10803		BEST/BSIERP_Summer '08		H10802		175																																																																																																																																																																																																																																																																																																																				
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)																																																																																																																																																																																																																																																																																																													
208	5649.93 N	16418.64 W	30 JUL 08	1453	7.6	.	21	*	*	333	9				7370403																																																																																																																																																																																																																																																																																																													
SBE 9+ _____ FLUOR S/N _____ PRESS SN _____ SBE43-Oxy (prime) _____ PRI TEMP SN _____ SBE43-Oxy (sec) _____ SEC TEMP SN _____ Transducer _____ PRI COND SN _____ PAR S/N _____ SEC COND SN _____ 02 Temp Sensor No. _____																																																																																																																																																																																																																																																																																																																												
REMARKS 26/00 max 30																																																																																																																																																																																																																																																																																																																												
MAX DEPTH = 70 m																																																																																																																																																																																																																																																																																																																												
<table border="1"> <thead> <tr> <th>NIS</th> <th>DEPTH</th> <th>Roset.</th> <th>Hydro Team-PHEL</th> <th>Tom W</th> <th>Gebore</th> <th>Masha</th> <th>Sambrotto</th> <th>Harvey</th> <th>Moran/</th> <th>Shull</th> <th>Stoecker</th> <th>Pat</th> <th>NIS</th> </tr> <tr> <th>No.</th> <th>DESIRED</th> <th>notes</th> <th>SALT</th> <th>NUTS</th> <th>02-Btl No</th> <th>02 Temp</th> <th>CHL.</th> <th>Frac CHL.</th> <th>DIC</th> <th>018</th> <th>Coope</th> <th>015N</th> <th>02/Ar</th> <th>Prod</th> <th>DOC</th> <th>Lessard</th> <th>Lomas</th> <th>Radon</th> <th>u2oops</th> <th>Th</th> <th>No.</th> </tr> </thead> <tbody> <tr><td>1</td><td>70</td><td></td><td></td><td>45</td><td>99</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>50</td><td></td><td></td><td>46</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>40</td><td></td><td></td><td>47</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>30</td><td></td><td></td><td>48</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>20</td><td></td><td></td><td>49</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>10</td><td></td><td></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>6</td></tr> <tr><td>7</td><td>0</td><td></td><td></td><td>51</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></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></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></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></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></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-PHEL	Tom W	Gebore	Masha	Sambrotto	Harvey	Moran/	Shull	Stoecker	Pat	NIS	No.	DESIRED	notes	SALT	NUTS	02-Btl No	02 Temp	CHL.	Frac CHL.	DIC	018	Coope	015N	02/Ar	Prod	DOC	Lessard	Lomas	Radon	u2oops	Th	No.	1	70			45	99																1	2	50			46																	2	3	40			47																	3	4	30			48																	4	5	20			49																	5	6	10			50																	6	7	0			51																	7	8																					8	9																					9	10																					10	11																					11	12																					12
NIS	DEPTH	Roset.	Hydro Team-PHEL	Tom W	Gebore	Masha	Sambrotto	Harvey	Moran/	Shull	Stoecker	Pat	NIS																																																																																																																																																																																																																																																																																																															
No.	DESIRED	notes	SALT	NUTS	02-Btl No	02 Temp	CHL.	Frac CHL.	DIC	018	Coope	015N	02/Ar	Prod	DOC	Lessard	Lomas	Radon	u2oops	Th	No.																																																																																																																																																																																																																																																																																																							
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VESSEL USCG Healy		CRUISE ID H10803		PROJECT & LEG BEST/BSERP_Summer '08		Ship Designation (I.D.) 110802		STATION NO. 176																															
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									
209		5651.10 N		16403.89 W		30 JUL 08		16124.2		.		21		.		335		10		7420		M482																	
SBE 9+				FLUOR S/N																																			
PRESS SN				SBE43-Oxy (prime)																																			
PRI TEMP SN				SBE43-Oxy (sec)																																			
SEC TEMP SN				Transmissometer																																			
PRI COND SN				PAR S/N																																			
SEC COND SN				02 Temp Sensor No.																																			
DEPTH		Roset.		Hydro Team-PMEL																																			
No		DESRED		notes		SALT		NLTS		02-Btl No		02 Temp		CHL.		Frac CHL.		DIC		Tom W		Grebkt		Mashta		Sanbroto		Harvey		Moran/		Shull		Stoeker		Pat		No	
1		70						52																														1	
2		50						53																														2	
3		40						54																														3	
4		30						55																														4	
5		25						56																														5	
6		20						57																														6	
7		18						58																														7	
8		10						59																														8	
9		0						60																														9	
10																																						10	
11																																						11	
12																																						12	

REMARKS

STD

CHL MAX @ 25m

MAX DEPTH = 70 m

[illegible]