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

CONSC CAST #	LATITUDE DEG	LATITUDE MIN		LONGITUDE DEG	LONGITUDE MIN		DAY	MO	YR	TIME (GMT) HR	TIME (GMT) 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
001	54	18.53	N	165	21.22	W	04	JUL	08	02	08	7.3	6.5	998	2	7	165	04	8	7	2	79	UP 1

0219 Shot.

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

REMARKS: S 2/2

MAX DEPTH = 73 m

Nis No.	DEPTH DESIRED	Roset. notes	Hydro Team-PMEL SALT	NUTS	O2-Btl.No	O2 Temp	CHL.	Frac CHL.	DIC	Tom W O18	Grebmeier Cooper	Masha δ15N	O2/Ar	N	Sambrotto Prod	DON	Harvey Lessard	Moran/ Lomas	Shull Radon	Stoeker µZoops	Pat Th		Nis No.
1	73			1						501													1
2	60		1/F	2			SA1																2
3	40			3			SA2			502													3
4	30			4			SA3																4
5	20			5			SA4																5
6	10		2/F	6/9			SA5			503													6
7	0			7	16b/36b		SA6			504													7
8																							8
9																							9
10																							10
11																							11
12																							12

Notes on Rosette:

Rosette Notes:

4

VESSEL	CRUISE ID	PROJECT & LEG	Ship Designation (I.D.)	STATION NO.
USCG Healy	H10803	BEST/BSIERP_Summer '08	1H0802	2

CONSC CAST #	LATITUDE DEG	LATITUDE MIN		LONGITUDE DEG	LONGITUDE MIN		DAY	MO	YR	TIME (GMT) HR	TIME (GMT) 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
002	54	23.12	N	165	11.93	W	04	JUL	08	06	18	7.1	6.2	992			225	03	8	7	4	172	42

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

REMARKS 55 flat vis 30nmi
stratus / fog

MAX. DEPTH = 169 m

Nis No.	DEPTH DESIRED	Roset. notes	Hydro Team-PMEL SALT	NUTS	O2-Btl.No	O2 Temp	CHL.	Frac CHL.	DIC	Tom W O18	Grebmeier Cooper	Masha δ15N	O2/Ar	N	Sambrotto Prod	DON	Harvey Lessard	Moran/ Lomas	Shull Radon	Stoeker µZoops	Pat Th		Nis No.
1	169			10	016/162					505													1
2	150		3/F	11																			2
3	125			12																			3
4	100			13						506													4
5	75			14																			5
6	60			15			✓ LB 1			507													6
7	40			16			✓ LB 2			508													7
8	30		4/F	17			✓ LB 3																8
9	20			18			✓ LB 4																9
10	10			19			✓ LB 5			509													10
11	0			20			✓ LB 6			510													11
12																							12

Notes on Rosette:

Rosette Notes:

VESSEL	CRUISE ID	PROJECT & LEG	Ship Designation (I.D.)	STATION NO.
USCG Healy	H10803	BEST/BSIERP_Summer '08	1H0802	3

CONSC CAST #	LATITUDE DEG	LATITUDE MIN		LONGITUDE DEG	LONGITUDE MIN		DAY	MO	YR	TIME (GMT) HR	TIME (GMT) 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
003	54	29.11	N	164	57.56	W	04	JUL	08	08	40	7.2	6.3	999			228	02				77	UP4

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

REMARKS ~~Fl~~ Flat/dark

Will do UP3 last to do a prod station there

MAX. DEPTH = 70 m

Nis No.	DEPTH DESIRED	Roset. notes	Hydro Team-PMEL SALT	NUTS	O2-Btl.No	O2 Temp	CHL.	Frac CHL.	DIC	Tom W O18	Grebmeier Cooper	Masha δ15N	O2/Ar	N	Sambrotto Prod	DON	Harvey Lessard	Moran/ Lomas	Shull Radon	Stoeker µZoops	Pat Th		Nis No.
1	70			21						511													1
2	60			22			✓																2
3	40			23			✓																3
4	30			24			✓																4
5	20			25			✓																5
6	10			26			✓			512													6
7	0			27	1660/1667		✓			513													7
8																							8
9																							9
10																							10
11																							11
12																							12

Notes on Rosette:

Rosette Notes:

8 NO3
.2 NH4

VESSEL	CRUISE ID	PROJECT & LEG	Ship Designation (I.D.)	STATION NO.
USCG Healy	H10803	BEST/BSIERP_Summer '08	1H0802 dark	4

CONSC CAST #	LATITUDE DEG	LATITUDE MIN		LONGITUDE DEG	LONGITUDE MIN		DAY	MO	YR	TIME (GMT) HR	TIME (GMT) 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
004	54	25.14	N	165	8.34	W	4	JUL	08	10	20	7.4	6.39	8			110	6				137	UP3

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

REMARKS 1st Cast at site with Zoop cast, Radon, prod (+ bonpu, macros, copper..)

MAX DEPTH = 131 m

Nis No.	DEPTH DESIRED	Roset. notes	Hydro Team-PMEL SALT	NUTS	O2-Btl.No	O2 Temp	CHL.	Frac CHL.	DIC	Tom W O18	Grebmeier Cooper	Masha δ15N	O2/Ar	N	Sambrotto Prod	DON	Harvey Lessard	Moran/ Lomas	Shull Radon	Stoeker µZoops	Pat Th		Nis No.
1	130			28	~~K8~~ 245					514											✓		1
2	100			29																	✓		2
3	75			30																	✓		3
4	60			31			✓	✓		515											✓		4
5	40			32			✓	✓													✓		5
6	30			33			✓	✓													✓		6
7	20			34			✓	✓													✓		7
8	10			35			✓	✓		516											✓		8
9	0			36			✓	✓		517													9
10																							10
11																							11
12																							12

Notes on Rosette:

Rosette Notes: Jelly(?) in Sensors at 30m

VESSEL	CRUISE ID	PROJECT & LEG	Ship Designation (I.D.)	STATION NO.
USCG Healy	H10803	BEST/BSIERP_Summer '08	1H0802	4

CONSC CAST #	LATITUDE DEG	LATITUDE MIN		LONGITUDE DEG	LONGITUDE MIN		DAY	MO	YR	TIME (GMT) HR	TIME (GMT) 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
005	54	25.70	N	165	9.02	W	4	JUL	08	11	14	7.2	6.298				110	06				136	UP3

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

REMARKS dark! Zooplankton Cast

MAX. DEPTH = 50 m

Nis	DEPTH	Roset.	Hydro Team-PMEL							Tom W	Grebmeier	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/Ar	N	Prod	DON	Lessard	Lomas	Radon	µZoops	Th		No.
1	20																✓						1
2	20																✓						2
3	20																✓						3
4	20																✓						4
5	20																✓						5
6	20																✓						6
7	20																✓						7
8																							8
9																							9
10																							10
11																							11
12																							12

Notes on Rosette:

Rosette Notes:

VESSEL	CRUISE ID	PROJECT & LEG	Ship Designation (I.D.)	STATION NO.
USCG Healy	H10803	BEST/BSIERP_Summer '08	1H0802	4

CONSC CAST #	LATITUDE DEG	LATITUDE MIN		LONGITUDE DEG	LONGITUDE MIN		DAY	MO	YR	TIME (GMT) HR	TIME (GMT) 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
006	54	25.71	N	165	08.59	W	04	JUL	08	13	47	7.4	6.7	98	3		125	12			2	131	4P3

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

REMARKS ~dark

Radon Cast

MAX. DEPTH = 125 m

Nis No	DEPTH DESIRED	Roset. notes	Hydro Team-PMEL SALT	NUTS	O2-Btl.No	O2 Temp	CHL.	Frac CHL.	DIC	Tom W O18	Grebmeier Cooper	Masha δ15N	O2/Ar	N	Sambrotto Prod	DON	Harvey Lessard	Moran/ Lomas	Shull Radon	Stoeker µZoops	Pat Th		Nis No.
1	125		5/F																X				1
2	115																		X				2
3	100																		X				3
4	85																		X				4
5	70																		X				5
6	60																		X				6
7	50		6/F																X				7
8	40																		X				8
9	30																		X				9
10	18																		X				10
11	10												X						X				11
12	0																		X				12

Notes on Rosette:

Rosette Notes:

4 5 9 10 13 17 21 33

VESSEL	CRUISE ID	PROJECT & LEG	Ship Designation (I.D.)	STATION NO.
USCG Healy	H10803	BEST/BSIERP_Summer '08	1H0802	4

CONSC CAST #	LATITUDE DEG	LATITUDE MIN		LONGITUDE DEG	LONGITUDE MIN		DAY	MO	YR	TIME (GMT) HR	TIME (GMT) 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) 123	STA. NAME/ID
007	54	26.29	N	165	8.47	W	04	JUL	08	15	36	7.2	6.4	962	2	4	113	15	8	7	2	122	UP3

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

REMARKS Prod Cast
8/8 Sheatus
Cloudy
Piano

MAX. DEPTH = 90 m

Nis No.	DEPTH DESIRED	Roset. notes	Hydro Team-PMEL SALT	NUTS	O2-Btl.No	O2 Temp	CHL.	Frac CHL.	DIC	Tom W O18	Grebmeier Cooper	~~Mesha~~ ~~34N~~	~~O2/Ar~~	N	Sambrotto Prod	DON	Harvey Lessard	Moran/ Lomas	Shull Radon	Stoeker µZoops	Pat Th		Nis No.
1	90			37											✓	✓							1
2	70			38											✓	✓							2
3	50			39											✓	✓							3
4	33			40											✓	✓							4
5	21			41											✓	✓							5
6	17			42											✓	✓							6
7	13			43											✓	✓							7
8	10			44								✓											8
9	9			45											✓	✓							9
10	5			46								✓											10
11	4			47											✓	✓							11
12	0			48											✓	✓							12

Notes on Rosette:

Rosette Notes:

VESSEL	CRUISE ID	PROJECT & LEG	Ship Designation (I.D.)	STATION NO.
USCG Healy	H10803	BEST/BSIERP_Summer '08	1H0802	5

CONSC CAST #	LATITUDE DEG	LATITUDE MIN		LONGITUDE DEG	LONGITUDE MIN		DAY	MO	YR	TIME (GMT) HR	TIME (GMT) 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
008	54	52.19	N	165	14.14	W	04	JUL	08	19	05	6.9	6.6	97	2	7	060	19	8	7	2	125	UAP8

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

REMARKS

MAX. DEPTH = 119 m

Nis No.	DEPTH DESIRED	Roset. notes	Hydro Team-PMEL SALT	NUTS	O2-Btl.No	O2 Temp	CHL.	Frac CHL.	DIC	Tom W O18	Grebmeier Cooper	Masha δ15N	O2/Ar	N	Sambrotto Prod	DON	Harvey Lessard	Moran/ Lomas	Shull Radon	Stoeker µZoops	Pat Th		Nis No.
1	Bot		7/F	49	217/219					518													1
2	100			50																			2
3	75			51														7					3
4	50			52			✓											6					4
5	40		8/F	53			✓											5					5
6	30			54			✓											4					6
7	20			55			✓											3					7
8	10			56			✓			519								2					8
9	0			57			✓			520								1					9
10																							10
11																							11
12																							12

Notes on Rosette:

Rosette Notes:

VESSEL	CRUISE ID	PROJECT & LEG	Ship Designation (I.D.)	STATION NO.
USCG Healy	H10803	BEST/BSIERP_Summer '08	1H0802	7

CONSC CAST #	LATITUDE DEG	LATITUDE MIN		LONGITUDE DEG	LONGITUDE MIN		DAY	MO	YR	TIME (GMT) HR	TIME (GMT) 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
009	55	18.32	N	164	23.89	W	05	JUL	08	01	35	8.4	92%	983.7	0	4	0	11	8	7	2	100	GAP6

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

REMARKS

MAX. DEPTH = 94 m

Nis No.	DEPTH DESIRED	Roset. notes	Hydro Team-PMEL SALT	NUTS	O2-Btl.No	O2 Temp	CHL.	Frac CHL.	DIC	Tom W O18	Grebmeier Cooper	Masha δ15N	O2/Ar	N	Sambrotto Prod	DON	Harvey Lessard	Moran/ Lomas	Shull Radon	Stoeker µZoops	Pat Th		Nis No.
1	BOT			58						521						✓							1
2	75		9/F	59								✓				✓							2
3	50			60			✓					✓				✓							3
4	40			61			✓									✓							4
5	30			62												✓							5
6	20		10/F	63			✓									✓							6
7	10			64			✓			522		✓				✓							7
8	0			65	220/222		✓			523						✓							8
9																							9
10																							10
11																							11
12																							12

Notes on Rosette:

Rosette Notes:

VESSEL	CRUISE ID	PROJECT & LEG	Ship Designation (I.D.)	STATION NO.
USCG Healy	H10803	BEST/BSIERP_Summer '08	1H0802	10 UAP-3

CONSC CAST #	LATITUDE DEG	LATITUDE MIN		LONGITUDE DEG	LONGITUDE MIN		DAY	MO	YR	TIME (GMT) HR	TIME (GMT) 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
010	55	57.83	N	163	8.30	W	05	JUL	08	11	38	7.8	7.3	999			315					87	UAP3

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

REMARKS: dark

East end UAP Line

Pat

MAX. DEPTH = 83 m

Nis No	DEPTH DESIRED	Roset. notes	Hydro Team-PMEL SALT	NUTS	O2-Btl.No	O2 Temp	CHL.	Frac CHL.	DIC	Tom W O18	Grebmeier Cooper	~~Mashi~~ δ15N	O2/Ar	N	Sambrotto Prod	DON	Harvey Lessard	Moran/ Lomas	Shull Radon	Stoeker µZoops	Pat Th		Nis No.
1	83		11/F	66	069/020					524													1
2	60			67			✓	✓															2
3	40			68			✓	✓															3
4	35			69			✓	✓															4
5	30			70																			5
6	20		12/F	71			✓	✓					534										6
7	10			72			✓	✓		525													7
8	0			73			✓	✓		526													8
9																							9
10																							10
11																							11
12																							12

Notes on Rosette:

Rosette Notes:

VESSEL	CRUISE ID	PROJECT & LEG	Ship Designation (I.D.)	STATION NO.
USCG Healy	H10803	BEST/BSIERP_Summer '08	1H0802	11

CONSC CAST #	LATITUDE DEG	LATITUDE MIN		LONGITUDE DEG	LONGITUDE MIN		DAY	MO	YR	TIME (GMT) HR	TIME (GMT) 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
011	57	00.01	N	163	53.96	W	5	JUL	08	19	30	7.2	6.7	00	3	5	020	22	8	7	2	70	CN6

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

REMARKS: Standard Cast - Prod next
Optical w/ McNess

MAX. DEPTH = 64 m

Nis No.	DEPTH DESIRED	Roset. notes	Hydro Team-PMEL SALT	NUTS	O2-Btl.No	O2 Temp	CHL.	Frac CHL.	DIC	Tom W O18	Grebmeier Cooper	Masha δ15N	O2/Ar	N	Sambrotto Prod	DON	Harvey Lessard	Moran/ Lomas	Shull Radon	Stoeker µZoops	Pat Th		Nis No.
1	64			74			✓	✓		527													1
2	50			75			✓	✓															2
3	40		13/F	76			✓	✓															3
4	20			77			✓	✓															4
5	10			78			✓	✓		528													5
6	0		14/F	79	71/64		✓	✓		529													6
7																							7
8																							8
9				Should be 61/74, cwm 7/6																			9
10																							10
11																							11
12																							12

Notes on Rosette:

Rosette Notes: 25 Chl & thermocline were at 25 dn, but 20 on upcast
We ended up without a 30m because we arrived at 25 & followed it up to 20
74

58 37 30 22 ^ +

VESSEL	CRUISE ID	PROJECT & LEG	Ship Designation (I.D.)	STATION NO.
USCG Healy	H10803	BEST/BSIERP_Summer '08	1H0802	11

CONSC CAST #	LATITUDE DEG	LATITUDE MIN		LONGITUDE DEG	LONGITUDE MIN			DAY	MO	YR	TIME (GMT) HR	TIME (GMT) 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
012	57	0.07	N	163	54.31	W		5	JUL	08	21	18	7.7	6.6	013	5	0	36	12	7	6	1	70	CN6

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

REMARKS Prod Cast (7/6) MAX. DEPTH = 64 m

Diane

Nis No.	DEPTH DESIRED	Roset. notes	Hydro Team-PMEL SALT	NUTS	O2-Btl.No	O2 Temp	CHL.	Frac/CHL.	DIC	Tom W O18	Grebmeier Cooper	~~Mesha~~ δ15N	O2/Ar	N	Sambrotto Prod	DON	Harvey Lessard	Moran/ Lomas	Shull Radon	Stoeker µZoops	Pat Th		Nis No.	Quick Nuts
1	65			80								✓				✓							1	
2	58			81												✓		✓					2	A2
3	37			82												✓		✓					3	A3
4	30			83												✓		✓					4	A4
5	30											✓											5	
6	26			84								✓				✓		✓					6	A6
7	26																						7	
8	15			85												✓		✓					8	A8
9	7			86												✓		✓					9	A9
10	7																						10	
11	7																						11	
12	0			87								✓			✓			✓					12	A12

Notes on Rosette:

Rosette Notes:

VESSEL	CRUISE ID	PROJECT & LEG	Ship Designation (I.D.)	STATION NO.
USCG Healy	H10803	BEST/BSIERP_Summer '08	1H0802	12

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 *	TYPE *	WEATHER *	BOTTOM DEPTH (m)	STA. NAME/ID
013	56.42.24 N	164 30.66 W	06	JUL	08	00	16	8.8	6.9	023	4		20	11	7		4	74	CN8

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

REMARKS

MAX. DEPTH = 70 m

Nis No.	DEPTH DESIRED	Roset. notes	Hydro Team-PMEL SALT	NUTS	O2-Btl.No	O2 Temp	CHL.	Frac CHL.	DIC	Tom W O18	Grebmeier Cooper	Masha δ15N	O2/Ar	N	Sambrotto Prod	DON	Harvey Lessard	Moran/ Lomas	Shull Radon	Stoeker µZoops	Pat Th		Nis No.
1	70			88	086/105					530													1
2	50		15/F	89			✓																2
3	40			90			✓																3
4	30	cr max		91			✓																4
5	20			92			✓																5
6	10		16/F	93			✓			531													6
7	0			94			✓			532													7
8																							8
9																							9
10																							10
11																							11
12																							12

Notes on Rosette:

Rosette Notes:

ALF } Joaquim's group will take samples when they do
Optics } an optics cast

VESSEL	CRUISE ID	PROJECT & LEG	Ship Designation (I.D.)	STATION NO.
USCG Healy	H10803	BEST/BSIERP_Summer '08	1H0802	13

CONSC CAST #	LATITUDE DEG	LATITUDE MIN		LONGITUDE DEG	LONGITUDE MIN		DAY	MO	YR	TIME (GMT) HR	TIME (GMT) 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
01	45	625.83	N	165	18.20	W	6	JUL	08	05	02	8.1	6.8	033	3	5	358	09	3	6	1	81	CN10

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

REMARKS

MAX. DEPTH = 79 m

Jess Lisa ALF

Nis No	DEPTH DESIRED	Roset. notes	Hydro Team-PMEL SALT	NUTS	O2-Btl.No	O2 Temp	CHL.	Frac CHL.	DIC	Tom W O18	Grebmeier Cooper	Masha δ15N	O2/Ar	N	Sambrotto Prod	NA/DON	Harvey Lessard	Moran/ Lomas	Shull Radon	Stoeker µZoops	Pat Th		Nis No
1	79			95	200					533												✓	1
2	60		17/F	96																			2
3	50																✓						3
4	50			97			✓									✓						✓	4
5	40	(37)		98			✓																5
6	30	(32)		99			✓									✓						✓	6
7	20			100			✓									✓							7
8	10		18/F	101			✓			534													8
9	0			102	178		✓			535						✓							9
10																							10
11																							11
12																							12

Notes on Rosette:

Rosette Notes: 2° cond. has tentacle in it
Optics Ø 9 6 + 4

VESSEL	CRUISE ID	PROJECT & LEG	Ship Designation (I.D.)	STATION NO.
USCG Healy	H10803	BEST/BSIERP_Summer '08	1H0802	142

CONSC CAST #	LATITUDE DEG	LATITUDE MIN		LONGITUDE DEG	LONGITUDE MIN		DAY	MO	YR	TIME (GMT) HR	TIME (GMT) 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
015	56	8.28	N	166	6.37	W	06	JUL	08	9	56	7.6	6.7	04			325	11				109	CN12

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

REMARKS: Standard CTD, next will be Zoop Cast (if bongo has the right carriers)

MAX. DEPTH = 105 m

Nis No.	DEPTH DESIRED	Roset. notes	Hydro Team-PMEL SALT	NUTS	O2-Btl.No	O2 Temp	CHL.	Frac CHL.	DIC	Tom W O18	Grebmeier Cooper	Masha δ15N	O2/Ar	N	Sambrotto Prod	DON	Harvey Lessard	Moran/ Lomas	Shull Radon	Stoeker µZoops	Pat Th		Nis No.
1	105		19/F	103	016					536													1
2	75			104																			2
3	60			105																			3
4	50			106			✓	✓															4
5	40			107			✓	✓															5
6	30			108			✓	✓															6
7	20		20/F	109			✓	✓															7
8	10			110			✓	✓		537													8
9	0			111			✓	✓		538													9
10																							10
11																							11
12																							12

Notes on Rosette:

Rosette Notes: Interleaving ~40m
Jollies in sensors, upcast? T noisy too

VESSEL	CRUISE ID	PROJECT & LEG	Ship Designation (I.D.)	STATION NO.
USCG Healy	H10803	BEST/BSIERP_Summer '08	1H0802	14

CONSC CAST #	LATITUDE DEG	LATITUDE MIN		LONGITUDE DEG	LONGITUDE MIN			DAY	MO	YR	TIME (GMT) HR	TIME (GMT) 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
	16	56 8.74	N	166	6.70	W		6	JUL	08	10	58	7.9	6.6	05			338	20				111	CN12

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

REMARKS: dark
Cast to collect microzoops

MAX. DEPTH = 30 m

Nis No.	DEPTH DESIRED	Roset. notes	Hydro Team-PMEL SALT	NUTS	O2-Btl.No	O2 Temp	CHL.	Frac CHL.	DIC	Tom W O18	Grebmeier Cooper	Masha δ15N	O2/Ar	N	Sambrotto Prod	DON	Harvey Lessard	Moran/ Lomas	Shull Radon	Stoeker µZoops	Pat Th		Nis No.
1	15																						1
2	15																						2
3	15																						3
4	15																						4
5	15																						5
6																							6
7																							7
8																							8
9																							9
10																							10
11																							11
12																							12

Notes on Rosette:

Rosette Notes:

VESSEL	CRUISE ID	PROJECT & LEG	Ship Designation (I.D.)	STATION NO.
USCG Healy	H10803	BEST/BSIERP_Summer '08	1H0802	15

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 *	TYPE *	WEATHER *	BOTTOM DEPTH (m)	STA. NAME/ID
	75 50.84 N	166 54.25 W	6	JUL	08	13	34	7.4	6.5	04	4		340	19			1	136	CN14

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

REMARKS ~ dark/dawn

MAX. DEPTH = 129 m

Nis	DEPTH	Roset.	Hydro Team-PMEL							Tom W	Grebmeier	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/Ar	N	Prod	DON	Lessard	Lomas	Radon	µZoops	Th		No.
1	129		21/F	112	199					539													1
2	100			113																			2
3	75			114																			3
4	50			115			✓																4
5	40			116			✓																5
6	30	Max		117			✓																6
7	20			118			✓																7
8	10		22/F	119			✓			540													8
9	0			120	163		✓			541													9
10																							10
11																							11
12																							12

Notes on Rosette:

Rosette Notes:

200 150 100 70 46 30 24 19 12 6 6 6

PITID

VESSEL	CRUISE ID	PROJECT & LEG	Ship Designation (I.D.)	STATION NO.
USCG Healy	H10803	BEST/BSIERP_Summer '08	1H0802	16

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 *	TYPE *	WEATHER *	BOTTOM DEPTH (m)	STA. NAME/ID
	18 55 16.83 N	167 55.66 W	06	JUL	08	19	48	7.3	6.6	06	4	3	335	18	8	2		385	PITID

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

REMARKS: Prodcast at Sediment Trap
No preliminary cast - just prod.
Diane

MAX. DEPTH = m

Nis No.	DEPTH DESIRED	Roset. notes	Hydro Team-PMEL SALT	NUTS	O2-Btl.No	O2 Temp	CHL.	Frac CHL.	DIC	Tom W O18	Grebmeier Cooper	Masha δ15N	O2/Ar	N	Sambrotto Prod	DON	Harvey Lessard	Moran/ Lomas	Shull Radon	Stoeker µZoops	Pat Th		Nis No.
1	200			121	168											✓					✓		1
2	150			122												✓					✓		2
3	100			123												✓					✓		3
4	70			124												✓					✓		4
5	46			125			✓								✓	✓					✓		5
6	30			126			✓		A2						✓						✓		6
7	24			127					A3						✓	✓					✓		7
8	19	CM		128			✓		A4						✓	✓					✓		8
9	12			129					A6						✓						✓		9
10	6			130			✓								✓	✓					✓		10
11	6								A8				✓										11
12	6												✓										12

Notes on Rosette:

Rosette Notes: ALF 200 150 100 70 30 24 19 12 6
Op 46 19 6

O2 min

VESSEL	CRUISE ID	PROJECT & LEG	Ship Designation (I.D.)	STATION NO.
USCG Healy	H10803	BEST/BSIERP_Summer '08	1H0802	17

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 *	TYPE *	WEATHER *	BOTTOM DEPTH (m)	STA. NAME/ID
1	19518.44 N	16824.89 W	6	JUL	08	23	06	8.3	6.6	0074	6	0	02	22	5	6	1	1656	CN18

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

REMARKS

West end CN

Deep cast 1st event of Station

MAX. DEPTH = 1659m

Nis No.	DEPTH DESIRED	Roset. notes	Hydro Team-PMEL SALT	NUTS	O2-Btl.No	O2 Temp	CHL.	Frac CHL.	DIC	Tom W O18	Grebmeier Cooper	Masha δ15N	O2/Ar	N	Sambrotto Prod	DON	Harvey Lessard	Moran/ Lomas	Shull Radon	Stoeker µZoops	Pat Th		Nis No.
1	1659		1/A	131	205					542													1
2	1500		2/A	132	136																		2
3	1250		3/A	133	217																		3
4	1000		4/A	134	222					543													4
5	750		5/A	135	220																		5
6	500		6/A	136	219					544													6
7	250	leaker		~~135~~	~~213~~																		7
8	200			137	239																		8
9	150			138	243																		9
10	125			139	164																		10
11	100			140	147																		11
12	75			141	144																		12

Notes on Rosette:

Rosette Notes: Ask - O_{18}? where? CDOM From bottle 1

extra bottle 50 m here or CTD 20, 21

VESSEL	CRUISE ID	PROJECT & LEG	Ship Designation (I.D.)	STATION NO.
USCG Healy	H10803	BEST/BSIERP_Summer '08	1H0802	17

CONSC CAST #	LATITUDE DEG	LATITUDE MIN		LONGITUDE DEG	LONGITUDE MIN		DAY	MO	YR	TIME (GMT) HR	TIME (GMT) 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
	20	55 17.83	N	168	23.40	W	7	JUL	08	01	54	8.8	6.2	07			337	20	2		2	1633	CNL8

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

REMARKS: Radon Cast

MAX. DEPTH m

Nis No.	DEPTH DESIRED	Roset. notes	Hydro Team-PMEL SALT	NUTS	O2-Btl.No	O2 Temp	CHL.	Frac CHL.	DIC	Tom W O18	Grebmeier Cooper	Masha δ15N	O2/Ar	N	Sambrotto Prod	DON	Harvey Lessard	Moran/ Lomas	Shull Radon	Stoeker µZoops	Pat Th		Nis No.
1	70																		X				1
2	60																		X				2
3	50	Rad																					3
4	50																		X				4
5	40																		X				5
6	32																		X				6
7	25																		X				7
8	18												581										8
9	18																		X				9
10	12																		X				10
11	6																		X				11
12	0																		X				12

Notes on Rosette:

Rosette Notes: 50 m Water for Koren

VESSEL	CRUISE ID	PROJECT & LEG	Ship Designation (I.D.)	STATION NO.
USCG Healy	1H0803/HLY0803	BEST/BSIERP_July '08	2HE08	17

CONSC CAST #	LATITUDE DEG	LATITUDE MIN		LONGITUDE DEG	LONGITUDE MIN		DAY	MO	YR	TIME (GMT) HR	TIME (GMT) 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
21	55	17.87	N	168	23.72	W	7	JUL	08	02	52	8.5	5.9	07	3	5	344	18	4	6	2	1630	CN18

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

REMARKS: Top part of Standard cast

MAX. DEPTH =

Nis No.	DESIRED DEPTH	Roset. notes	Hydro Team-PMEL SALT	NUTS	O2-Btl.N	O2 Temp	CHL.	Frac CHL.	Weingartner O18	Grebmeier Cooper	July δ15N	O2/Ar	Sambrotto Prod	DON	Harvey Lessard	Moran/ Lomas	DIC ALK	Shull Radon	Sherr	Pat Th	Katrin	Nis No.	ALF	BIO-OP
1	100			142	150																	1	✓	
2	75			143																		2	✓	
3	60			144			✓	✓														3	✓	
4	40			145			✓	✓														4	✓	
5	30			146			✓	✓														5	✓	
6	20			147			✓	✓														6	✓	
7	10			148			✓	✓														7	✓	
8	0			149	153		✓	✓														8	✓	
9																						9		
10																						10		
11																						11		
12																						12		

Comments and Rosette Notes:

VESSEL	CRUISE ID	PROJECT & LEG	Ship Designation (I.D.)	STATION NO.
USCG Healy	H10803	BEST/BSIERP_Summer '08	1H0802	18

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) *	TYPE *	WEATHER *	BOTTOM DEPTH (m)	STA. NAME/ID
22	55 17.87 N	167 42.21 W	07	JUL	08	10	46	8.1	6.4	09			345	17				139	CN16

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

REMARKS: dark

Standard Cast

MAX. DEPTH = m

Nis No.	DEPTH DESIRED	Roset. notes	Hydro Team-PMEL SALT	NUTS	O2-Btl.No	O2 Temp	CHL.	Frac CHL.	DIC	Tom W O18	Grebmeier Cooper	Masha δ15N	O2/Ar	N	Sambrotto Prod	DON	Harvey Lessard	Moran/ Lomas	Shull Radon	Stoeker µZoops	Pat Th		Nis No.
1	130		7/A	150	119					545													1
2	100			151																			2
3	75		8/A	152																			3
4	60			153			✓																4
5	40			154			✓																5
6	30			155			✓																6
7	20			156			✓																7
8	10			157			✓			546													8
9	0			158	216		✓			547													9
10																							10
11																							11
12																							12

Notes on Rosette:

Rosette Notes: O_2 bottle at depth broke – sample re-taken but after other samples were drawn

VESSEL	CRUISE ID	PROJECT & LEG	Ship Designation (I.D.)	STATION NO.
USCG Healy	H10803	BEST/BSIERP_Summer '08	1H0802	18

CONSC CAST #	LATITUDE DEG	LATITUDE MIN		LONGITUDE DEG	LONGITUDE MIN		DAY	MO	YR	TIME (GMT) HR	TIME (GMT) 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
	23	53 4.13	N	167	42.79	W	7	JUL	08	1	45	8.1	6.3	09			350	17				137	CN16

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

REMARKS: Zooplankton Cast

MAX. DEPTH = 30 m

Nis No.	DEPTH DESIRED	Roset. notes	Hydro Team-PMEL SALT	NUTS	O2-Btl.No	O2 Temp	CHL.	Frac CHL.	DIC	Tom W O18	Grebmeier Cooper	Masha δ15N	O2/Ar	N	Sambrotto Prod	DON	Harvey Lessard	Moran/ Lomas	Shull Radon	Stoeker µZoops	Pat Th		Nis No.
1	10																			✓			1
2	10																			✓			2
3	10																			✓			3
4	10																			✓			4
5	10																			✓			5
6	10																			✓			6
7																							7
8																							8
9																							9
10																							10
11																							11
12																							12

Notes on Rosette:

Rosette Notes:

VESSEL	CRUISE ID	PROJECT & LEG	Ship Designation (I.D.)	STATION NO.
USCG Healy	H10803	BEST/BSIERP_Summer '08	1H0802	19

CONSC CAST #	LATITUDE DEG	LATITUDE MIN		LONGITUDE DEG	LONGITUDE MIN		DAY	MO	YR	TIME (GMT) HR	TIME (GMT) 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
	24	55 15.08	N	167 55.77	W		07	JUL	08	15	48	8.2	4.1	1114	8	3	338	11	2	3	0	502	PITIR

1545

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

REMARKS

Nuts
~~Quick~~

MAX. DEPTH = m

Nis No.	DEPTH DESIRED	Roset. notes	Hydro Team-PMEL SALT	NUTS	O2-Btl.No	O2 Temp	CHL.	Frac CHL.	DIC	Tom W O18	Grebmeier Cooper	Masha δ15N	O2/Ar	N	Sambrotto Prod	DON	Harvey Lessard	Moran/ Lomas	Shull Radon	Stoeker µZoops	Pat Th		Nis No.
1	150		N/A	1																			1
2	100			2																			2
3	70			3																			3
4	38			4											✓								4
5	35		N/A	5							C4				✓								5
6	20			6							C6				✓								6
7	15			7							C11				✓								7
8	16			8							C16				✓								8
9	5			9											✓								9
10	5										C21												10
11	5																						11
12	0			10	13						C26				✓								12

Notes on Rosette:

Rosette Notes:

ALF → all depths
BIO-OPTICS – 0, 15, 38

cmax 20

VESSEL	CRUISE ID	PROJECT & LEG	Ship Designation (I.D.)	STATION NO.
USCG Healy	H10803	BEST/BSIERP_Summer '08	1H0802	22

CONSC CAST #	LATITUDE DEG	LATITUDE MIN		LONGITUDE DEG	LONGITUDE MIN		DAY	MO	YR	TIME (GMT) HR	TIME (GMT) 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
Φ25	56	8.98	N	168	42.22	W	8	JUL	08	01	39	9.4	5.4	1327	3	4	018	22	1	5	4	554	CNN8

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

REMARKS: Standard Cast

MAX. DEPTH = 460 m

shoaled to 464

Nis No.	DEPTH DESIRED	Roset. notes	Hydro Team-PMEL SALT	NUTS	O2-Btl.No	O2 Temp	CHL.	Frac CHL.	DIC	Tom W O18	Grebmeier Cooper	Masha δ15N	O2/Ar	N	Sambrotto Prod	DON	Harvey Lessard	Moran/ Lomas	Shull Radon	Stoeker µZoops	Pat Th		Nis No.
1	460			11	✓093							✓				✓							1
2	400			12																			2
3	250			13								✓				✓							3
4	150			14																			4
5	100			15												✓							5
6	75			16																			6
7	60			17			✓	✓								✓							7
8	40			18			✓	✓															8
9	30			19			✓	✓															9
10	20			20			✓	✓				✓				✓							10
11	10			21			✓	✓															11
12	0			22	✓171		✓	✓								✓							12

NA

ALF

Notes on Rosette:

Rosette Notes:

Logger not responding & I can't save the File to try to shut down/Restart - Fill out from paper copy

56 8.66 168 43.12 0222 at surface

BIO-OPTICS - 3 DEPTHS 0, 20, 60 m

50 32

VESSEL	CRUISE ID	PROJECT & LEG	Ship Designation (I.D.)	STATION NO.
USCG Healy	H10803	BEST/BSIERP_Summer '08	1H0802	24

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) *	TYPE *	WEATHER *	BOTTOM DEPTH (m)	STA. NAME/ID
	26 56 44.19 N	167 50.78 W	8	JUL	08	9	43	8.2	6.5	14			286	2				101	CNN6

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

REMARKS: Standard Cast CNN6

N1

MAX. DEPTH = m

Nis No.	DEPTH DESIRED	Roset. notes	Hydro Team-PMEL SALT	NUTS	O2-Btl.No	O2 Temp	CHL.	Frac CHL.	DIC	Tom W O18	Grebmeier Cooper	Masha δ15N	O2/Ar	N	Sambrotto Prod	DON	Harvey Lessard	Moran/ Lomas	Shull Radon	Stoeker µZoops	Pat Th		Nis No.
1	95		11/A	23	178											✓							1
2	75			24																			2
3	50																						3
4	50			25			✓									✓							4
5	40			26			✓									✓							5
6	32	C	12/A	27									285										6
7	32	max					✓									✓							7
8	20			28			✓																8
9	10			29			✓																9
10	0			30	117		✓									✓							10
11																							11
12																							12

Notes on Rosette:

Rosette Notes:

38

VESSEL	CRUISE ID	PROJECT & LEG	Ship Designation (I.D.)	STATION NO.
USCG Healy	H10803	BEST/BSIERP_Summer '08	1H0802	25

CONSC CAST #	LATITUDE DEG	LATITUDE MIN		LONGITUDE DEG	LONGITUDE MIN		DAY	MO	YR	TIME (GMT) HR	TIME (GMT) 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 540/NP2
	27 59	8.39	N	167 52.77		W	8	JUL	08	22	01	6.2	3.7	03 44	1	9	22	8	8	7	2	40	

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

REMARKS: CTD before mooring 540 ?

MAX. DEPTH = m

Nis No.	DEPTH DESIRED	Roset. notes	Hydro Team-PMEL SALT	NUTS	O2-Btl.No	O2 Temp	CHL.	Frac CHL.	DIC (Mathis DOC)	Tom W O18	Grebmeier Cooper	Masha δ15N	O2/Ar	N	Sambrotto Prod	DON (NASA)	Harvey Lessard	Moran/ Lomas	Shull Radon	Stoeker µZoops	Pat Th		Nis No.
1	38			31	D69					548						✓							1
2	30			32												✓							2
3	20	leaker														✓							3
4	10			34						549						✓							4
5	0			35						550 551						✓							5
6																							6
7																							7
8																							8
9																							9
10																							10
11																							11
12																							12

ALF ✓ ✓ ✓ ✓ ✓ ✓

Notes on Rosette:

Rosette Notes: DIC + DOC top two bottles (Mathis)

BIO-OPTICS 0, 20, 38

VESSEL	CRUISE ID	PROJECT & LEG	Ship Designation (I.D.)	STATION NO.
USCG Healy	H10803	BEST/BSIERP_Summer '08	1H0802	26

CONSC CAST #	LATITUDE DEG	LATITUDE MIN		LONGITUDE DEG	LONGITUDE MIN		DAY	MO	YR	TIME (GMT) HR	TIME (GMT) 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
	28	59.51.07	N	167	46.95	W	9	JUL	08	6	17	5.6	5.1	99	5		176	24			6	25	525

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

REMARKS: CTD before mooring 525

MAX. DEPTH = 22 m

Nis No.	DEPTH DESIRED	Roset. notes	Hydro Team-PMEL SALT	NUTS	O2-Btl.No	O2 Temp	CHL.	Frac CHL.	DIC	Tom W O18	Grebmeier Cooper	Masha δ15N	O2/Ar	N	Sambrotto Prod	DON	Harvey Lessard	Moran/ Lomas	Shull Radon	Stoeker µZoops	Pat Th		Nis No.
1	22			36			✓			552													1
2	10																						2
3	10			37			✓																3
4	0			38	72		✓			553													4
5																							5
6																							6
7																							7
8																							8
9																							9
10																							10
11																							11
12																							12

Notes on Rosette:

Rosette Notes: bottle at 10 m for filtered seawater

VESSEL	CRUISE ID	PROJECT & LEG	Ship Designation (I.D.)	STATION NO.
USCG Healy	H10803	BEST/BSIERP_Summer '08	1H0802	27

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) *	TYPE *	WEATHER *	BOTTOM DEPTH (m)	STA. NAME/ID
	29 59.53 N	167 59.74 W	9	JUL	08	7	28	5.5	5.0	985.3			172	27			6	29	MN1

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

REMARKS

MAX. DEPTH = m

Nis No.	DEPTH DESIRED	Roset. notes	Hydro Team-PMEL SALT	NUTS	O2-Btl.No	O2 Temp	CHL.	Frac CHL.	DIC (DOC)	Tom W O18	Grebmeier Cooper	Masha δ15N	O2/Ar	N	Sambrotto Prod	DON	Harvey Lessard	Moran/ Lomas	Shull Radon	Stoeker µZoops	Pat Th		Nis No.
1	25			39	675				✓	555													1
2	10			40					✓	557													2
3	0			41	—				✓														3
4																							4
5																							5
6																							6
7																							7
8																							8
9																							9
10																							10
11																							11
12																							12

Notes on Rosette: DOC & DIC all 3 depths for Mathrs

Rosette Notes: btl 3 was a leaker (only after we started collecting, not at once)

VESSEL	CRUISE ID	PROJECT & LEG	Ship Designation (I.D.)	STATION NO.
USCG Healy	H10803	BEST/BSIERP_Summer '08	1H0802	28

CONSC CAST #	LATITUDE DEG	LATITUDE MIN		LONGITUDE DEG	LONGITUDE MIN		DAY	MO	YR	TIME (GMT) HR	TIME (GMT) 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
03	59	54.11	N	168	35.86	W	9	JUL	08	10	08	4.5	4.2	997			165	12				40	MN2

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

REMARKS: Standard CTD MN2

MAX. DEPTH = 36 m

Nis No.	DEPTH DESIRED	Roset. notes	Hydro Team-PMEL SALT	NUTS	O2-Btl.No	O2 Temp	CHL.	Frac CHL.	DOC & DIC	Tom W O18	Grebmeier Cooper	Masha δ15N	O2/Ar	N	Sambrotto Prod	DON	Harvey Lessard	Moran/ Lomas	Shull Radon	Stoeker µZoops	Pat Th		Nis No.
1	36			42			✓			556													1
2	20			43			✓																2
3	10			44			✓		✓	557													3
4	0			45	061		✓		✓	558													4
5										557													5
6																							6
7																							7
8																							8
9																							9
10																							10
11																							11
12																							12

Notes on Rosette:

Rosette Notes:

VESSEL	CRUISE ID	PROJECT & LEG	Ship Designation (I.D.)	STATION NO.
USCG Healy	H10803	BEST/BSIERP_Summer '08	1H0802	28

CONSC CAST #	LATITUDE DEG	LATITUDE MIN		LONGITUDE DEG	LONGITUDE MIN		DAY	MO	YR	TIME (GMT) HR	TIME (GMT) 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
	31	59 53.80	N	168	34.92	W	9	JUL	08	10	47	4.7	4.3	997			173	19				40	MN2

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

REMARKS: Zoop Cast

MAX. DEPTH = 20 m

Nis No.	DEPTH DESIRED	Roset. notes	Hydro Team-PMEL SALT	NUTS	O2-Btl.No	O2 Temp	CHL.	Frac CHL.	DIC	Tom W O18	Grebmeier Cooper	Masha δ15N	O2/Ar	N	Sambrotto Prod	DON	Harvey Lessard	Moran/ Lomas	Shull Radon	Stoeker µZoops	Pat Th		Nis No.
1	6																			✓			1
2	6																			✓			2
3	6																			✓			3
4	6																			✓			4
5	6																			✓			5
6																							6
7																							7
8																							8
9																							9
10																							10
11																							11
12																							12

Notes on Rosette:

Rosette Notes:

VESSEL	CRUISE ID	PROJECT & LEG	Ship Designation (I.D.)	STATION NO.
USCG Healy	H10803	BEST/BSIERP_Summer '08	1H0802	29

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) *	TYPE *	WEATHER *	BOTTOM DEPTH (m)	STA. NAME/ID
	32 59 53.76 N	169 12.04 W	9	JUL	08	1333	4.0	3.6	96			244	06				45	MN3

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

REMARKS

MAX. DEPTH = m

Nis No.	DEPTH DESIRED	Roset. notes	Hydro Team-PMEL SALT	NUTS	O2-Btl.No	O2 Temp	CHL.	Frac CHL.	DOC/ DIC	Tom W O18	Grebmeier Cooper	Masha δ15N	O2/Ar	N	Sambrotto Prod	DON	Harvey Lessard	Moran/ Lomas	Shull Radon	Stoeker µZoops	Pat Th		Nis No.
1	40		1/A	46	105		✓		✓	558											✓		1
2	30			47			✓		✓														2
3	20			48			✓		✓												✓		3
4	10		2/A	49			✓		✓	559											✓		4
5	0			50			✓		✓	560											✓		5
6																							6
7																							7
8																							8
9																							9
10																							10
11																							11
12																							12

Notes on Rosette:

Rosette Notes: 4 Mathis

Niane & al 2010

VESSEL	CRUISE ID	PROJECT & LEG	Ship Designation (I.D.)	STATION NO.
USCG Healy	H10803	BEST/BSIERP_Summer '08	1H0802	29

CONSC CAST #	LATITUDE DEG	LATITUDE MIN		LONGITUDE DEG	LONGITUDE MIN		DAY	MO	YR	TIME (GMT) HR	TIME (GMT) 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
33	59	53.81	N	169	11.95	W	9	JUL	08	14	57	4.5	4.3	964	3	2	5	3	0		4	46	MN3

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

REMARKS: Prod Cast

MAX. DEPTH = 41 m

Nis No.	DEPTH DESIRED	Roset. notes	Hydro Team-PMEL SALT	NUTS	~~O2 Bot.No~~	O2 Temp	CHL.	Frac CHL.	DIC	Tom W O18	Grebmeier Cooper	Masha δ15N	O2/Ar	N	Sambrotto Prod	DON	Harvey Lessard	Moran/ Lomas	Shull Radon	Stoeker µZoops	Pat Th		Nis No.
1	40			51	A2													✓					1
2	30			52	A12													✓					2
3	26			53	A12													✓					3
4	17			54	A14													✓					4
5	13			55	A16													✓					5
6	10			56	A26													✓					6
7	7			57	A30													✓					7
8	3																	✓					8
9	3			1	A4															✓			9
10	3			58																✓			10
11	0			0	A3													✓					11
12																							12

Notes on Rosette:

Rosette Notes:

quick - numbers

A3

Not sure of the listing for Not sample 58

VESSEL	CRUISE ID	PROJECT & LEG	Ship Designation (I.D.)	STATION NO.
USCG Healy	H10803	BEST/BSIERP_Summer '08	1H0802	30

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 *	TYPE *	WEATHER *	BOTTOM DEPTH (m)	STA. NAME/ID
034	59 53.74 N	169 48.33 W	9	JUL	08	17	06	4.4	4.2	96	4	5	195	14	5	6		52	MN4

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

REMARKS

MAX. DEPTH = 48 m

Nis No.	DEPTH DESIRED	Roset. notes	Hydro Team-PMEL SALT	NUTS	O2-Btl.No	O2 Temp	CHL.	Frac CHL.	DOC DIC	Tom W O18	Grebmeier Cooper	Masha δ15N	O2/Ar	N	Sambrotto Prod	DON	Harvey Lessard	Moran/ Lomas	Shull Radon	Stoeker µZoops	Pat Th		Nis No.	ALL
1	48		3/A	59			✓			561													1	✓
2	40			60			✓																2	✓
3	30			61			✓																3	✓
4	20			62			✓																4	✓
5	10		4/A	63			✓		✓	562													5	✓
6	0			64	086		✓		✓	563													6	✓
7																							7	
8																							8	
9																							9	
10																							10	
11																							11	
12																							12	

Notes on Rosette:

Rosette Notes: Not bottle 62 is MT

top two

Bio-optics

Core cast #4 & dep w/ event log

VESSEL	CRUISE ID	PROJECT & LEG	Ship Designation (I.D.)	STATION NO.
USCG Healy	H10803	BEST/BSIERP_Summer '08	1H0802	31

CONSC CAST #	LATITUDE DEG	LATITUDE MIN		LONGITUDE DEG	LONGITUDE MIN		DAY	MO	YR	TIME (GMT) HR	TIME (GMT) 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
A	35	59.54.13	N	170	23.59	W	9	JUL	08	20	09	5.9	5.6	964	4	5	260	16	8	8	2	64	MN5

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

REMARKS: Radon Cast // Combined with Standard Cast

MAX. DEPTH = m

Nis No.	DEPTH DESIRED	Roset. notes	Hydro Team-PMEL SALT	NUTS	O2-Btl.No	O2 Temp	CHL.	Frac CHL.	Dus DIC	Tom W O18	Grebmeier Cooper	Masha δ15N	O2/Ar	N	Sambrotto Prod	DON	Harvey Lessard	Moran/ Lomas	Shull Radon	Stoeker µZoops	Pat Th		Nis No.
1	58			65					✓	564													1
2	54																						2
3	50			66			✓		✓														3
4	40			67			✓		✓														4
5	40				200												Karen						5
6	30			68			✓																6
7	20								✓				✓										7
8	20			69			✓						155										8
9	15																						9
10	10			70			✓		✓	565													10
11	5						✓																11
12	0			71			✓		✓	566													12

ALP ✓ ✓ ✓ ✓ ✓ ✓ ✓ ✓ ✓ ✓ ✓ ✓

Notes on Rosette:

Rosette Notes: ALP all Bioopl fcr

40

20

VESSEL	CRUISE ID	PROJECT & LEG	Ship Designation (I.D.)	STATION NO.
USCG Healy	H10803	BEST/BSIERP_Summer '08	1H0802	32

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 *	TYPE *	WEATHER *	BOTTOM DEPTH (m)	STA. NAME/ID
	36 59 53.90 N	170 59.93 W	10	JUL	08	00	26	5.6	5.2	984	4	3	116	17	8 6/7	6		70	MN6

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

REMARKS

MAX. DEPTH = m

Nis No.	DEPTH DESIRED	Roset. notes	Hydro Team-PMEL SALT	NUTS	O2-Btl.No	O2 Temp	CHL.	Frac CHL.	DIC	Tom W O18	Grebmeier Cooper	Masha δ15N	O2/Ar	N	Sambrotto/ Prod	DON	Harvey Lessard	Moran/ Lomas	Shull Radon	Stoeker µZoops	Pat Th		Nis No.
1	65			72	162					567		✓				✓		✓					1
2	50			73			✓	✓								✓		✓					2
3	40	38		74			✓	✓								✓		✓					3
4	30			75			✓	✓										✓					4
5	20			76			✓	✓								✓		✓					5
6	10			77			✓	✓		568								✓					6
7	0			78	153		✓	✓		569		✓				✓		✓					7
8																							8
9																							9
10																							10
11																							11
12																							12

Duck

NA

FGN

ALF

Notes on Rosette:

Rosette Notes: Chl max 38/40 top two

BIO-OPTICS on 40m, 65m

VESSEL	CRUISE ID	PROJECT & LEG	Ship Designation (I.D.)	STATION NO.
USCG Healy	H10803	BEST/BSIERP_Summer '08	1H0802	33

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) *	TYPE *	WEATHER *	BOTTOM DEPTH (m)	STA. NAME/ID
	37 59.54 N	171 36.20 W	10	JUL	08	4	05	5.6	5.1	014			295	22	8	7/6	2	70	MN7

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

REMARKS

MAX. DEPTH = m

Nis No.	DEPTH DESIRED	Roset. notes	Hydro Team-PMEL SALT	NUTS	O2-Btl.No	O2 Temp	CHL.	Frac CHL.	DOC/ DIC	Tom W O18	Grebmeier Cooper	Masha δ15N	O2/Ar	N	Sambrotto Prod	DON (Urea)	Harvey Lessard	Moran/ Lomas	Shull Radon	Stoeker µZoops	Pat Th		Nis No.
1	65			79	✓205					570						✓							1
2	50			80			✓		✓							✓							2
3	40			81			✓		✓							✓							3
4	30	CM		82			✓		✓							✓							4
5	20			83			✓		✓							✓							5
6	10			84			✓		✓	573						✓							6
7	0			85	✓217		✓		✓	572						✓							7
8																							8
9																							9
10																							10
11																							11
12																							12

ALF ✓ ✓ ✓ ✓ ✓ ✓ ✓

Notes on Rosette:

Rosette Notes: 6 DOC/DIC

BIO-OPTICS
0m, 30, 65
CDOM - 10, 20, 50

VESSEL	CRUISE ID	PROJECT & LEG	Ship Designation (I.D.)	STATION NO.
USCG Healy	H10803	BEST/BSIERP_Summer '08	1H0802	34 Mn-8

CONSC CAST #	LATITUDE DEG	LATITUDE MIN		LONGITUDE DEG	LONGITUDE MIN		DAY	MO	YR	TIME (GMT) HR	TIME (GMT) 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
038	59	54.02	N	172	13.43	W	10	JUL	08	8	36	4.5	3.8 (94%)	045	5	7	310	26	8		1	72	MN8

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

REMARKS

MAX. DEPTH = m

Nis No.	DEPTH DESIRED	Roset. notes	Hydro Team-PMEL SALT	NUTS	O2-Btl.No	O2 Temp	CHL.	Frac CHL.	DIC	Tom W O18	Grebmeier Cooper	Masha δ15N	O2/Ar	N	Sambrotto Prod	DON	Harvey Lessard	Moran/ Lomas	Shull Radon	Stoeker µZoops	Pat Th		Nis No.
1	68		5/A	86	146					574													1
2	50			87			✓																2
3	40			88			✓																3
4	30			89			✓																4
5	20			90			✓																5
6	10.		6/A	91			✓			575													6
7	0			92	187		✓			576													7
8																							8
9																							9
10																							10
11																							11
12																							12

Notes on Rosette:

Rosette Notes: DOC&DIC top 2

VESSEL	CRUISE ID	PROJECT & LEG	Ship Designation (I.D.)	STATION NO.
USCG Healy	H10803	BEST/BSIERP_Summer '08	~~1H0802~~, H1	35

CONSC CAST #	LATITUDE DEG	LATITUDE MIN		LONGITUDE DEG	LONGITUDE MIN		DAY	MO	YR	TIME (GMT) HR	TIME (GMT) 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
Ø39	60	00.26	N	171	65.45	W	1Ø	JUL	08	13	15	5.3	3.9	08	4	6	29	5	21	8	7	71	W7

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

REMARKS

MAX. DEPTH = m

Nis No.	DEPTH DESIRED	Roset. notes	Hydro Team-PMEL SALT	NUTS	O2-Btl.No	O2 Temp	CHL.	Frac CHL.	DIC	Tom W O18	Grebmeier Cooper	Masha δ15N	O2/Ar	N	Sambrotto Prod	DON	Harvey Lessard	Moran/ Lomas	Shull Radon	Stoeker µZoops	Pat Th		Nis No.
1	bt		7/A	93	119					577													1
2	50			94						578													2
3	40			95						579													3
4	30			96						580													4
5	20			97						581													5
6	10		8/A	98						582			201										6
7	0			99	891					583													7
8																							8
9																							9
10																							10
11																							11
12																							12

Notes on Rosette:

Rosette Notes:

VESSEL	CRUISE ID	PROJECT & LEG	Ship Designation (I.D.)	STATION NO.
USCG Healy	H10803	BEST/BSIERP_Summer '08	1H0802	35

CONSC CAST #	LATITUDE DEG	LATITUDE MIN		LONGITUDE DEG	LONGITUDE MIN		DAY	MO	YR	TIME (GMT) HR	TIME (GMT) 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)	Zoops STA. NAME/ID
04	59	59.47	N	171	06.51	W	16	JUL	08	14	05	4.8	3.3	0946	2	8	280	23	6	1		71	W7

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

REMARKS

MAX. DEPTH = m

Nis No.	DEPTH DESIRED	Roset. notes	Hydro Team-PMEL SALT	NUTS	O2-Btl.No	O2 Temp	CHL.	Frac CHL.	DIC	Tom W O18	Grebmeier Cooper	Masha δ15N	O2/Ar	N	Sambrotto Prod	DON	Harvey Lessard	Moran/ Lomas	Shull Radon	Stoeker µZoops	Pat Th		Nis No.
1	40																						1
2	40																						2
3	40																						3
4	40																						4
5	40																						5
6	40																						6
7																							7
8																							8
9																							9
10																							10
11																							11
12																							12

Notes on Rosette:

Rosette Notes:

VESSEL	CRUISE ID	PROJECT & LEG	Ship Designation (I.D.)	STATION NO.
USCG Healy	H10803	BEST/BSIERP_Summer '08	1H0802	36

CONSC CAST #	LATITUDE DEG	LATITUDE MIN		LONGITUDE 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
														87%									62	
041	60	06.13	N	170	27.69	W	10	JUL	08		1635		5.5	3.7	09	4	7	286	18	8	6	1		W6

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

REMARKS

MAX. DEPTH = m

Nis No.	DEPTH DESIRED	Roset. notes	Hydro Team-PMEL SALT	NUTS	O2-Btl.No	O2 Temp	CHL.	Frac CHL.	DIC	Tom W O18	Grebmeier Cooper	Masha δ15N	O2/Ar	N	Sambrotto Prod	DON	Harvey Lessard	Moran/ Lomas	Shull Radon	Stoeker µZoops	Pat Th		Nis No.
1	57		9/A	100	171					585													1
2	40			101						586													2
3	30			102						587													3
4	20			103						588													4
5	10		10/A	104						589	690	10m											5
6	0			105						590													6
7																							7
8																							8
9																							9
10																							10
11																							11
12																							12

Notes on Rosette:

Rosette Notes:

VESSEL	CRUISE ID	PROJECT & LEG	Ship Designation (I.D.)	STATION NO.
USCG Healy	H10803	BEST/BSIERP_Summer '08	1H0802	37

CONSC CAST #	LATITUDE DEG	LATITUDE MIN		LONGITUDE DEG	LONGITUDE MIN		DAY	MO	YR	TIME (GMT) HR	TIME (GMT) 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
042	60	10.26	N	170	04.00	W	10	JUL	08	18	29	6.4	4.1	1037	2	8	5	18	8	6	1	56	C55

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

REMARKS near mooring deployment site
ctd lowered and raised twice - skip 1420?
first try had spikes in Temp/Sal channels

MAX DEPTH = m

Nis No.	DEPTH DESIRED	Roset. notes	Hydro Team-PMEL SALT	NUTS	O2-Btl.No	O2 Temp	CHL.	Frac CHL.	DIC	Tom W O18	Grebmeier Cooper	Masha δ15N	O2/Ar	N	Sambrotto Prod	DON	Harvey Lessard	Moran/ Lomas	Shull Radon	Stoeker µZoops	Pat Th		Nis No.	ALF
1	50		11/A	106												✓							1	✓
2	40			107												✓							2	✓
3	33			108											✓	✓							3	✓
4	21			109											✓	✓							4	✓
5	17			110											✓								5	✓
6	13			111											✓	✓							6	✓
7	9		12/A	112											✓								7	✓
8	4			113																			8	✓
9	4														✓								9	
10	0			114											✓	✓							10	✓
11																							11	
12																							12	

Notes on Rosette:

Rosette Notes:

VESSEL	CRUISE ID	PROJECT & LEG	Ship Designation (I.D.)	STATION NO.
USCG Healy	H10803	BEST/BSIERP_Summer '08	1H0802	38

CONSC CAST #	LATITUDE DEG	LATITUDE MIN		LONGITUDE DEG	LONGITUDE MIN		DAY	MO	YR	TIME (GMT) HR	TIME (GMT) 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
043	60	20.37	N	169	1.33	W	10	JUL	08	23	16	6.0	3.7	1133	4	2	40	13	8	7	2	41	C40

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

REMARKS

Cast by Mooring C 40 / Calibration

MAX. DEPTH =

Nis No.	DEPTH DESIRED	Roset. notes	Hydro Team-PMEL SALT	NUTS	O2-Btl.N	O2 Temp	CHL.	Frac CHL.	DIC	Tom O18	Grebmeier Cooper	Masha δ15N	O2/Ar	N	Sambrotto Prod	DON	Harvey Lessard	Moran/ Lomas	Shull Radon	Stoeker µZoops	Pat Th		Nis No.
1	37			115			✓																1
2	20																						2
3																							3
4	15																						4
5																							5
6																							6
7																							7
8																							8
9																							9
10																							10
11																							11
12																							12

Notes on Rosette:

Rosette Notes: No samples except chlorophyll for mooring's fluorometer

b 10 0
O18

VESSEL	CRUISE ID	PROJECT & LEG	Ship Designation (I.D.)	STATION NO.
USCG Healy	H10803	BEST/BSIERP_Summer '08	1H0802	39

CONSC CAST #	LATITUDE DEG	LATITUDE MIN		LONGITUDE DEG	LONGITUDE MIN		DAY	MO	YR	TIME (GMT) HR	TIME (GMT) 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
	44	60 40.92	N	167	20.16	W	11	JUL	08	05	04	6.0	3.8	16	3	6	260	12	8	7	2	28	C25

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

REMARKS
Calibration CTD for mooring C25

MAX. DEPTH =

Nis No.	DEPTH DESIRED	Roset. notes	Hydro Team-PMEL SALT	NUTS	O2-Btl.N	O2 Temp	CHL.	Frac CHL.	DIC	Tom O18	Grebmeier Cooper	Masha δ15N	O2/Ar N	Sambrotto Prod	DON	Harvey Lessard	Moran/ Lomas	Shull Radon	Stoeker µZoops	Pat Th	Nis No.
1	21			115			✓ ✓			592											1
2	10			116	117		✓ ✓			593											2
3	0	leaks		117	117		✓ ✓			594		Still leaking									3
4																					4
5																					5
6																					6
7																					7
8																					8
9																					9
10																					10
11																					11
12																					12

ALF ✓ ✓ ✓

Notes on Rosette:

Rosette Notes: Double chlorophylls to compare methods

VESSEL	CRUISE ID	PROJECT & LEG	Ship Designation (I.D.)	STATION NO.
USCG Healy	H10803	BEST/BSIERP_Summer '08	1H0802	40

CONSC CAST #	LATITUDE DEG	LATITUDE MIN		LONGITUDE 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
45	60	29.60	N	168	00.00	W	11	JUL	08	7	46	5.3	3.7	1163	4	1	180	19	8	7	2	29	W2 ~~WA2~~

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

REMARKS Tom W's W Line

MAX. DEPTH =

Nis No.	DEPTH DESIRED	Roset. notes	Hydro Team-PMEL SALT	NUTS	O2-Btl.N	O2 Temp	CHL.	Frac CHL.	DIC	Tom W O18	Grebmeier Cooper	Masha δ15N	O2/Ar	N	Sambrotto Prod	DON	Harvey Lessard	Moran/ Lomas	Shull Radon	Stoeker µZoops	Pat Th		Nis No.
1	25			118	178					5/95													1
2	10			119						5/96													2
3	0			120						5/97													3
4																							4
5																							5
6																							6
7																							7
8																							8
9																							9
10																							10
11																							11
12																							12

Notes on Rosette:

Rosette Notes: ALF all 3

VESSEL	CRUISE ID	PROJECT & LEG	Ship Designation (I.D.)	STATION NO. 41
USCG Healy	H10803	BEST/BSIERP_Summer '08	1H0802	

CONSC CAST #	LATITUDE DEG	LATITUDE MIN		LONGITUDE DEG	LONGITUDE MIN			DAY	MO	YR	TIME (GMT) HR	MIN	DRY BULB (°C)	92% WET BULB (°C)	PRESSURE (mb)	SEA STATE *	VISIBILITY *	WIND DIRN. (deg)	WIND SPD. (kts)	CLOUD (amt) *	TYPE *	WEATHER *	36 BOTTOM DEPTH (m)	STA. NAME/ID
046	60	24.01	N	168	37.17	W		11	JUL	08	10	10	5.0	3.8	1637	2	2	175	15	8	7	2	36	W3

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

REMARKS

MAX. DEPTH = 32

Nis No.	DEPTH DESIRED	Roset. notes	Hydro Team-PMEL SALT	NUTS	O2-Btl.N	O2 Temp	CHL.	Frac CHL.	DIC	Tom W O18	Grebmeier Cooper	Masha δ15N	O2/Ar	N	Sambrotto Prod	DON	Harvey Lessard	Moran/ Lomas	Shull Radon	Stoeker µZoops	Pat Th		Nis No.
1	32			121						596													1
2	20			122																			2
3	10			123						596													3
4	0			124	176					600													4
5																							5
6																							6
7																							7
8																							8
9																							9
10																							10
11																							11
12																							12

Notes on Rosette:

Rosette Notes:

1296

VESSEL	CRUISE ID	PROJECT & LEG	Ship Designation (I.D.)	STATION NO.
USCG Healy	H10803	BEST/BSIERP_Summer '08	1H0802	41

CONSC CAST #	LATITUDE DEG	LATITUDE MIN		LONGITUDE DEG	LONGITUDE MIN		DAY	MO	YR	TIME (GMT) HR	TIME (GMT) 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
	47	60 23.72	N	168	35.98	W	11	JUL	08	10	54	5.1	3.9	16			155	19				36	W3

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

REMARKS

Zoops

MAX. DEPTH = 15

Nis No.	DEPTH DESIRED	Roset. notes	Hydro Team-PMEL SALT	NUTS	O2-Btl.N	O2 Temp	CHL.	Frac CHL.	DIC	Tom W O18	Grebmeier Cooper	Masha δ15N	O2/Ar	N	Sambrotto Prod	DON	Harvey Lessard	Moran/ Lomas	Shull Radon	Stoeker µZoops	Pat Th		Nis No.
1	6																						1
2	6																						2
3	6																						3
4	6																						4
5																							5
6																							6
7																							7
8																							8
9																							9
10																							10
11																							11
12																							12

Notes on Rosette:

Rosette Notes:

43 30 20 10 4 4

VESSEL	CRUISE ID	PROJECT & LEG	Ship Designation (I.D.)	STATION NO.
USCG Healy	H10803	BEST/BSIERP_Summer '08	1H0802	42

CONSC CAST #	LATITUDE DEG	LATITUDE MIN		LONGITUDE DEG	LONGITUDE MIN		DAY	MO	YR	TIME (GMT) HR	TIME (GMT) 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
48	60	15.25	N	169	34.19	W	11	JUL	08	14	07	5.1	4.6	14			166	25				49	W4b

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

REMARKS

MAX. DEPTH = m

Nis No.	DEPTH DESIRED	Roset. notes	Hydro Team-PMEL SALT	NUTS	O2-Btl.No	O2 Temp	CHL.	Frac CHL.	DIC	Tom W O18	Grebme Coope	Masha δ15N	O2/Ar	Sambrotto Prod	DON	Harvey Lessard	Moran/ Lomas	Shull Radon	Stoeker µZoops	Pat Th		Nis No	ALF
1	43			✓125						601					✓							1	✓
2	30			✓126						~~602~~					✓							2	✓
3	20			✓127						602					✓							3	✓
4	10			✓128						603					✓							4	✓
5	4			✓129										✓	✓							5	✓
6	4																			DS		6	
7	4																			Dr		7	
8	4													✓	✓							8	
9	0			✓130	174					604				✓	✓							9	✓
10																						10	
11																						11	
12																						12	

2 bottles at 4 m

BIO-OPICS – 0, 10, 43

43 was redeployment of N55

VESSEL	CRUISE ID	PROJECT & LEG	Ship Designation (I.D.)	STATION NO.
USCG Healy	H10803	BEST/BSIERP_Summer '08	1H0802	44

CONSC CAST #	LATITUDE DEG	LATITUDE MIN		LONGITUDE DEG	LONGITUDE MIN		DAY	MO	YR	TIME (GMT) HR	TIME (GMT) 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
8	49	61 57.99	N	171	56.62	W	12	JUL	08	04	32	6.7	6.0	0064	4	1	170	24	8		5	55	SL06 N55 N55

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

REMARKS: Standard CTD before Mooring N55

MAX. DEPTH = 51 m

Nis No.	DEPTH DESIRED	Roset. notes	Hydro Team-PMEL SALT	NUTS	O2-Btl.No	O2 Temp	CHL.	Frac CHL.	DIC	Tom W O18	Grebme Coope	Masha δ15N	Masha O2/Ar	Sambrotto Prod	Sambrotto DON	Harvey Lessard	Moran/ Lomas	Shull Radon	Stoeker µZoops	Pat Th		Nis No.
1	51			131			✓			605		✓			✓							1
2	40			132			✓			606					✓				✓			2
3	30			133			✓								✓							3
4	20			134			✓								✓				✓			4
5	10			135			✓			607					✓							5
6	0			136	190		✓			608		✓			✓							6
7																						7
8																						8
9																						9
10																						10
11																						11
12																						12

ALF ✓ ✓ ✓ ✓ ✓ ✓

2 O18 at bottom
2 at surface
51, 40, 0 — Bioptic

VESSEL	CRUISE ID	PROJECT & LEG	Ship Designation (I.D.)	STATION NO.
USCG Healy	H10803	BEST/BSIERP_Summer '08	1H0802	45

CONSC CAST #	LATITUDE DEG	LATITUDE MIN		LONGITUDE DEG	LONGITUDE MIN		DAY	MO	YR	TIME (GMT) HR	TIME (GMT) 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
	50	62	7.51	N 172	00.03	W	12	JUL	08	~~07~~	~~20~~ 0762	6.5	6.0	0964	5	1	74	19	8	7	2	52	3L76

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

REMARKS

MAX. DEPTH = m

Nis No.	DEPTH DESIRED	Roset. notes	Hydro Team-PMEL SALT	NUTS	O2-Btl.No	O2 Temp	CHL.	Frac CHL.	DIC	Tom W O18	Grebme Coope	Masha δ15N	O2/Ar	Sambrotto Prod	DON	Harvey Lessard	Moran/ Lomas	Shull Radon	Stoeker µZoops	Pat Th		Nis No.
1	49			137	181		✓			609												1
2	40	Ch		138			✓															2
3	30			139			✓			610												3
4	20			140			✓															4
5	10			141			✓		✓	611												5
6	0			142	179		✓		✓	612												6
7																						7
3																						8
9																						9
10																						10
11																						11
12																						12

53 50 50 45 35 35 30 ~~25~~ 25 18 12 6 0

VESSEL	CRUISE ID	PROJECT & LEG	Ship Designation (I.D.)	STATION NO.
USCG Healy	H10803	BEST/BSIERP_Summer '08	1H0802	46

CONSC CAST #	LATITUDE DEG	LATITUDE MIN		LONGITUDE DEG	LONGITUDE MIN		DAY	MO	YR	TIME (GMT) HR	TIME (GMT) 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
51	61	12.20	N	172	42.07	W	12	JUL	08	10	06	6.2	5.7	05	4	4	230	11	8	7	2	58	SL8

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

REMARKS

MAX. DEPTH = m

Nis No.	DEPTH DESIRED	Roset. notes	Hydro Team-PMEL SALT	NUTS	O2-Btl.No	O2 Temp	CHL.	Frac CHL.	DOC/DIC	Tom W O18	Grebme Coope	Masha δ15N	O2/Ar	Sambrotto Prod	DON	Harvey Lessard	Moran/ Lomas	Shull Radon	Stoeker µZoops	Pat Th		Nis No.
1	53		13/A	143					✓	613								✓				1
2	50			144														✓		×		2
3	50						✓	✓								×						3
4	45			145														✓		×		4
5	35			146			✓	✓	✓	614			HOZ ✓							×		5
6	35																	✓				6
7	30			147			✓	✓										✓		×		7
8	25			148					✓✓	615								✓		×		8
9	18			149			✓	✓										✓		×		9
10	12		N/A	150			✓	✓		616			1321✓					✓				10
11	6			151					✓✓									✓		×		11
12	0			152	197		✓	✓		617								✓				12

DIC/DOC. Not 7 as requested

VESSEL	CRUISE ID	PROJECT & LEG	Ship Designation (I.D.)	STATION NO.
USCG Healy	H10803	BEST/BSIERP_Summer '08	1H0802	46

CONSC CAST #	LATITUDE DEG	LATITUDE MIN		LONGITUDE DEG	LONGITUDE MIN		DAY	MO	YR	TIME (GMT) HR	TIME (GMT) 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
052	62	12.24	N	172	42.07	W	12	JUL	08	12	19	6.3	5.8	06			237	07				58	SL8

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

REMARKS: Pnd Cast (dark)

MAX. DEPTH = 52 m

Nis No.	DEPTH DESIRED	Roset. notes	Hydro Team-PMEL SALT	NUTS	O2-Btl.No	O2 Temp	CHL.	Frac CHL.	DIC	Tom W O18	Grebme Coope	Masha δ15N	O2/Ar	Sambrotto Prod	DON	Harvey Lessard	Moran/ Lomas	Shull Radon	Stoeker µZoops	Pat Th		Nis No.	ALF
1	50			153											✓							1	✓
2	40			154											✓							2	✓
3	33			155										✓	✓		✓					3	✓
4	21			156										✓	✓		✓					4	✓
5	17			157										✓	✓		✓					5	✓
6	13			158										✓	✓		✓					6	✓
7	9			159										✓	✓		✓					7	✓
8	4			1													✓					8	
9	4													✓	✓				✓			9	
10	4																		✓			10	
11	4																					11	
12	0			2										✓	✓		✓					12	✓

Diane 2 bottles 50/55% level

BIO-OPTICS

VESSEL	CRUISE ID	PROJECT & LEG	Ship Designation (I.D.)	STATION NO.
USCG Healy	H10803	BEST/BSIERP_Summer '08	1H0802	47

CONSC CAST #	LATITUDE DEG	LATITUDE MIN		LONGITUDE DEG	LONGITUDE MIN		DAY	MO	YR	TIME (GMT) HR	TIME (GMT) 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
0	53	61 58.95	N	170	36.13	W	12	JUL	08	18	19	7.1	5.4 (90%)	06	4	7	286	7	8	61		50 (49)	SL5B

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

REMARKS

MAX. DEPTH = m

Nis No.	DEPTH DESIRED	Roset. notes	Hydro Team-PMEL SALT	NUTS	O2-Btl.No	O2 Temp	CHL.	Frac CHL.	DIC	Tom W O18	Grebme Coope	Masha δ15N	O2/Ar	Sambrotto Prod	DON	Harvey Lessard	Moran/ Lomas	Shull Radon	Stoeker µZoops	Pat Th		Nis No.
1	45			3	211																	1
2	40			4																		2
3	30			5																		3
4	20			6																		4
5	10			7																		5
6	0			8																		6
7																						7
8																						8
9																						9
10																						10
11																						11
12																						12

all depths – ALF
40m, 20m, 0m – Biopptics.

VESSEL	CRUISE ID	PROJECT & LEG	Ship Designation (I.D.)	STATION NO.
USCG Healy	H10803	BEST/BSIERP_Summer '08	1H0802	48

CONSC CAST #	LATITUDE DEG	LATITUDE MIN		LONGITUDE DEG	LONGITUDE MIN		DAY	MO	YR	TIME (GMT) HR	TIME (GMT) 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
054	61	54.87	N	169	54.02	W	12	JUL	08	21	12	8.6	5.7	0734	2	7	0	14	8	62		46	SLHB

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

REMARKS

MAX. DEPTH = m

Nis	DEPTH	Roset.	Hydro Team-PMEL							Tom W	Grebme	Masha		Sambrotto		Harvey	Moran/	Shull	Stoeker	Pat		Nis
No.	DESIRED	notes	SALT	NUTS	O2-Btl.No	O2 Temp	CHL.	Frac CHL.	DIC	O18	Coope	δ15N	O2/Ar	Prod	DON	Lessard	Lomas	Radon	µZoops	Th		No.
1	42			9	213		✓		✓	618												1
2	30			10			✓		✓													2
3	20			11			✓		✓													3
4	10			12			✓		✓	619												4
5	0			13			✓		✓	~~619~~												5
6										620A												6
7																						7
8																						8
9																						9
10																						10
11																						11
12																						12

DOC/DIC throughout water column
42, 20, 0 — Bioptics

mooring N.40

VESSEL	CRUISE ID	PROJECT & LEG	Ship Designation (I.D.)	STATION NO.
USCG Healy	H10803	BEST/BSIERP_Summer '08	1H0802	49 SL-3 B

CONSC CAST #	LATITUDE DEG	LATITUDE MIN		LONGITUDE DEG	LONGITUDE MIN		DAY	MO	YR	TIME (GMT) HR	TIME (GMT) 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
55	61	47.83	N	169	18.44	W	12	JUL	08	23	44	7.9	6.0	07	3	4	278	11	8	6	2	42	SL3B

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

REMARKS: SL3B/N40

MAX. DEPTH = m

Nis No.	DEPTH DESIRED	Roset. notes	Hydro Team-PMEL SALT	NUTS	O2-Btl.No	O2 Temp	CHL.	Frac CHL.	DOC DIC	Tom W O18	Grebme Coope	Masha δ15N	O2/Ar	Sambrotto Prod	DON	Harvey Lessard	Moran/ Lomas	Shull Radon	Stoeker µZoops	Pat Th		Nis No.
1	37			14						620												1
2	30			15																		2
3	20			16																		3
4	10			17					✓	621												4
5	0			18	143				✓	622												5
6																						6
7																						7
8																						8
9																						9
10																						10
11																						11
12																						12

ALL ✓

2 DOC/DIC

BIO-OPTICS, 0m 20m 37m

VESSEL	CRUISE ID	PROJECT & LEG	Ship Designation (I.D.)	STATION NO.
USCG Healy	H10803	BEST/BSIERP_Summer '08	1H0802	50

CONSC CAST #	LATITUDE DEG	LATITUDE MIN		LONGITUDE DEG	LONGITUDE MIN		DAY	MO	YR	TIME (GMT) HR	TIME (GMT) 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
	56	61 46.30	N	168	29.74	W	13	JUL	08	03	12	8.2	6.5	08	3	4	274	14	8	6	2	35	SL2B

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

REMARKS

MAX. DEPTH = m

Nis No.	DEPTH DESIRED	Roset. notes	Hydro Team-PMEL SALT	NUTS	O2-Btl.No	O2 Temp	CHL.	Frac CHL.	DIC	Tom W O18	Grebme Coope	Masha 015N	O2/Ar	Sambrotto Prod	DON	Harvey Lessard	Moran/ Lomas	Shull Radon	Stoeker µZoops	Pat Th		Nis No.
1	32			19	163		✓ ✓			625												1
2	20			20			✓ ✓															2
3	10			21			✓ ✓			623												3
4	0			22			✓ ✓			624												4
5																						5
6																						6
7																						7
8																						8
9																						9
10																						10
11																						11
12																						12

ALF ✓ ✓ ✓ ✓

duplicate samples chlor. Not fract.

End 1917
Pg 16 crushed

VESSEL	CRUISE ID	PROJECT & LEG	Ship Designation (I.D.)	STATION NO.
USCG Healy	H10803	BEST/BSIERP_Summer '08	1H0802	51

CONSC CAST #	LATITUDE DEG	LATITUDE MIN		LONGITUDE DEG	LONGITUDE MIN		DAY	MO	YR	TIME (GMT) HR	TIME (GMT) 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
	57	61 41.99	N	167 27.37	W		13	JUL	08	06	36	8.1	5.9	0093	3	4	283	19	7	62		34	5L1B / N25

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

REMARKS: Mooring N25 near 5L1B

MAX. DEPTH = m

Nis No.	DEPTH DESIRED	Roset. notes	Hydro Team-PMEL SALT	NUTS	O2-Btl.No	O2 Temp	CHL.	Frac CHL.	DIC	Tom W O18	Grebme Coope	Masha δ15N	O2/Ar	Sambrotto Prod	DON	Harvey Lessard	Moran/ Lomas	Shull Radon	Stoeker µZoops	Pat Th		Nis No.
1	25			✓23						626												1
2	10												1289									2
3	10			✓24						627												3
4	0			✓25	016					628												4
5																						5
6																						6
7																						7
8																						8
9																						9
10																						10
11																						11
12																						12

NF

DOC all depths

Bioptics — 0, 10, 25.

52 bongo ~~for~~ chlor for 2m ps

VESSEL	CRUISE ID	PROJECT & LEG	Ship Designation (I.D.)	STATION NO.
USCG Healy	H10803	BEST/BSIERP_Summer '08	1H0802	53

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) *	TYPE *	WEATHER *	BOTTOM DEPTH (m)	STA. NAME/ID
058	5926.76 N	1677.81 W	13	JUL	08	17	12	2.4	2.2	1192	1	2	13	14			4	38	NP1

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

REMARKS

MAX. DEPTH = 33 m

Nis No.	DEPTH DESIRED	Roset. notes	Hydro Team-PMEL SALT	NUTS	O2-Btl.No	O2 Temp	CHL.	Frac CHL.	DIC	Tom W O18	Grebme Coope	Masha δ15N	O2/Ar	Sambrotto Prod	DON	Harvey Lessard	Moran/ Lomas	Shull Radon	Stoeker µZoops	Pat Th	Nis No.
1	33	26		26	1666		✓	✓			629										1
2	20	27		27			✓	✓													2
3	10	28		28			✓	✓			630										3
4	5										+										4
5	0	29		29			✓	✓			631										5
6																					6
7																					7
8																					8
9																					9
10																					10
11																					11
12																					12

ALF ✓ ✓ ✓ ✓ ✓

Diane bottle chlor max & 5 m.
DOC all depths
BI-OPTICS - 33m, 5m.

VESSEL	CRUISE ID	PROJECT & LEG	Ship Designation (I.D.)	STATION NO.
USCG Healy	H10803	BEST/BSIERP_Summer '08	1H0802	54

CONSC CAST #	LATITUDE DEG	LATITUDE MIN		LONGITUDE DEG	LONGITUDE MIN		DAY	MO	YR	TIME (GMT) HR	TIME (GMT) 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
	59	59 7.60	N	168	0.26	W	13	JUL	08	20	52	4.1	3.6	1932	1	8	5	15			4	40	NP2

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

REMARKS: Second time at NP2

MAX. DEPTH = m

Nis No.	DEPTH DESIRED	Roset. notes	Hydro Team-PMEL SALT	NUTS	O2-Btl.No	O2 Temp	CHL.	Frac CHL.	DIC	Tom W O18	Grebme Coope	Masha δ15N	O2/Ar	Sambrotto Prod	DON	Harvey Lessard	Moran/ Lomas	Shull Radon	Stoeker µZoops	Pat Th		Nis No.
1	39			30	222					633					✓							1
2	30			31											✓							2
3	20			32											✓							3
4	10			33					✓	632					✓							4
5	0			34					✓	634					✓							5
6																						6
7																						7
8																						8
9																						9
10																						10
11																						11
12																						12

VESSEL	CRUISE ID	PROJECT & LEG	Ship Designation (I.D.)	STATION NO.
USCG Healy	H10803	BEST/BSIERP_Summer '08	1H0802	55

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) *	TYPE *	WEATHER *	BOTTOM DEPTH (m)	STA. NAME/ID
60	58 49.67 N	168 09.52 W	14	JUL	08	02	50	5.4	4.9	16	4	4	165	21	8	7	2	46	NP3

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

REMARKS: NP3

MAX. DEPTH = m

Nis	DEPTH	Roset.	Hydro Team-PMEL							Tom W	Grebme	Masha		Sambrotto		Harvey	Moran/	Shull	Stoeker	Pat		Nis	ALF
No	DESIRED	notes	SALT	NUTS	O2-Btl.No	O2 Temp	CHL.	Frac CHL.	DIC	O18	Coope	δ15N	O2/Ar	Prod	DON	Lessard	Lomas	Radon	µZoops	Th		No	
1	43			35			✓		✓	635												1	✓
2	30			36			✓		✓													2	✓
3	20			37			✓															3	✓
4	10			38			✓		✓	636												4	✓
5	5						✓															5	✓
6	0			39	164		✓		✓	637												6	✓
7																						7	
8																						8	
9																						9	
10																						10	
11																						11	
12																						12	

4 DOC/DIC 5m for Diazo

~~40 30~~ Bioptics - 0m, 20m, 80m

VESSEL	CRUISE ID	PROJECT & LEG	Ship Designation (I.D.)	STATION NO.
USCG Healy	H10803	BEST/BSIERP_Summer '08	1H0802	56

CONSC CAST #	LATITUDE DEG	LATITUDE MIN		LONGITUDE DEG	LONGITUDE MIN		DAY	MO	YR	TIME (GMT) HR	TIME (GMT) 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 NP4
	61	58 36.35	N	168 25.11	W		14	JUL	08	05	48	6.0	5.4	1054	4	1	191	29	8	7	2	55	555

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

REMARKS: Mooring 555 at NP4

MAX. DEPTH = 51 m

Nis No.	DEPTH DESIRED	Roset. notes	Hydro Team-PMEL SALT	NUTS	O2-Btl.No	O2 Temp	CHL.	Frac CHL.	DIC	Tom W O18	Grebme Coope	Masha δ15N	Masha O2/Ar	Sambrotto Prod	Sambrotto DON	Harvey Lessard	Moran/ Lomas	Shull Radon	Stoeker µZoops	Pat Th		Nis No.	ALF
1	50			40			✓	✓		638					✓							1	✓
2	40			41			✓	✓							✓							2	✓
3	30	CMax		42			✓	✓		639					✓				✓			3	✓
4	20			43			✓	✓							✓							4	✓
5	10			44			✓	✓	✓	640					✓							5	✓
6	5						✓												✓			6	✓
7	0			45	168		✓	✓	✓	641					✓							7	✓
8																						8	
9																						9	
10																						10	
11																						11	
12																						12	

VESSEL	CRUISE ID	PROJECT & LEG	Ship Designation (I.D.)	STATION NO.
USCG Healy	H10803	BEST/BSIERP_Summer '08	1H0802	57

CONSC CAST #	LATITUDE DEG	LATITUDE MIN		LONGITUDE DEG	LONGITUDE MIN		DAY	MO	YR	TIME (GMT) HR	TIME (GMT) 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
Φ62	58	21.79	N	168	41.84	W	14	JUL	08	8	34	6.4	6.0	154			177	26			4	67	NP5

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

REMARKS ~dark

MAX. DEPTH = m

Nis No.	DEPTH DESIRED	Roset. notes	Hydro Team-PMEL SALT	NUTS	O2-Btl.No	O2 Temp	CHL.	Frac CHL.	DIC	Tom W O18	Grebme Coope	Masha δ15N	O2/Ar	Sambrotto Prod	DON	Harvey Lessard	Moran/ Lomas	Shull Radon	Stoeker µZoops	Pat Th		Nis No.
1	62		15/A	46	147				✓	642												1
2	50			47			✓		✓													2
3	40			48			✓															3
4	30			49			✓		✓	643												4
5	20	← Cmax		50			✓															5
6	10		16/A	51			✓		✓	644												6
7	5			52			✓															7
8	0			53			✓		✓	645												8
9																						9
10																						10
11																						11
12																						12

5.DOC

VESSEL	CRUISE ID	PROJECT & LEG	Ship Designation (I.D.)	STATION NO.
USCG Healy	H10803	BEST/BSIERP_Summer '08	1H0802	58

CONSC CAST #	LATITUDE DEG	LATITUDE MIN		LONGITUDE DEG	LONGITUDE MIN		DAY	MO	YR	TIME (GMT) HR	TIME (GMT) 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
	63	58 07.78	N	168	58.08	W	14	JUL	08	11	29	6.5	6.2	1145			195	24				71	NP6

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

REMARKS

MAX. DEPTH = m

Nis No.	DEPTH DESIRED	Roset. notes	Hydro Team-PMEL SALT	NUTS	O2-Btl.No	O2 Temp	CHL.	Frac CHL.	DX/ DIC	Tom W O18	Grebme Coope	Masha δ15N	O2/Ar	Sambrotto Prod	DON	Harvey Lessard	Moran/ Lomas	Shull Radon	Stoeker µZoops	Pat Th		Nis No.
1	68		17/A	54						646												1
2	50			55			✓															2
3	40			56			✓															3
4	30			57			✓			647												4
5	20		18/A	58			✓															5
6	10			59			✓		✓	648												6
7	5			60			✓												✓			7
8	0			61	219		✓		✓	649												8
9																						9
10																						10
11																						11
12																						12

top 2 DOC

30

VESSEL	CRUISE ID	PROJECT & LEG	Ship Designation (I.D.)	STATION NO.
USCG Healy	H10803	BEST/BSIERP_Summer '08	1H0802	58

CONSC CAST #	LATITUDE DEG	LATITUDE MIN		LONGITUDE DEG	LONGITUDE MIN		DAY	MO	YR	TIME (GMT) HR	TIME (GMT) 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) 72	STA. NAME/ID
D6	58	6.96	N	168	56.74	W	14	JUL	08	12	14	6.4	6.1	15			198	23					NP6

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

REMARKS Zooplankton cast
Catching food for euphausids

MAX. DEPTH = m

Nis No.	DEPTH DESIRED	Roset. notes	Hydro Team-PMEL SALT	NUTS	O2-Btl.No	O2 Temp	CHL.	Frac CHL.	DIC	Tom W O18	Grebme Coope	Masha δ15N	O2/Ar	Sambrotto Prod	DON	Harvey Lessard	Moran/ Lomas	Shull Radon	Stoeker µZoops	Pat Th		Nis No.
1	10																					1
2	10																					2
3	10																					3
4	10																					4
5	10																					5
6	10																					6
7	10																					7
8																						8
9																						9
10																						10
11																						11
12																						12

40 15 12

VESSEL	CRUISE ID	PROJECT & LEG	Ship Designation (I.D.)	STATION NO.
USCG Healy	H10803	BEST/BSIERP_Summer '08	1H0802	59

CONSC CAST #	LATITUDE DEG	LATITUDE MIN		LONGITUDE DEG	LONGITUDE MIN		DAY	MO	YR	TIME (GMT) HR	TIME (GMT) 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
	65	57 54.03	N	169	14.03	W	14	JUL	08	14	12	6.4	6.1	14	3	3	195	19			5	68	VP7

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

REMARKS: Radon Cast

MAX. DEPTH = 63 m

Nis No.	DEPTH DESIRED	Roset. notes	Hydro Team-PMEL SALT	NUTS	O2-Btl.No	O2 Temp	CHL.	Frac CHL.	DIC	Tom W O18	Grebme Coope	Masha δ15N	O2/Ar	Sambrotto Prod	DON	Harvey Lessard	Moran/ Lomas	Shull Radon	Stoeker µZoops	Pat Th		Nis No.
1	63																	✓				1
2	60																	✓				2
3	50																	✓				3
4	40																	✓				4
5	40																	Karen				5
6	32																	✓				6
7	24																	✓				7
8	18																	✓				8
9	15												1374									9
10	12																	✓				10
11	6																	✓				11
12	0																	✓				12

6 DOC/DIC

VESSEL	CRUISE ID	PROJECT & LEG	Ship Designation (I.D.)	STATION NO.
USCG Healy	H10803	BEST/BSIERP_Summer '08	1H0802	59

CONSC CAST #	LATITUDE DEG	LATITUDE MIN		LONGITUDE DEG	LONGITUDE MIN		DAY	MO	YR	TIME (GMT) HR	TIME (GMT) 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
66	57	53.58	N	169	12.64	W	14	JUL	08	1500		6.5	6.2	1442	1	9	2	20			4	67	NP7

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

REMARKS: Standard CTD

MAX. DEPTH = m

Nis No.	DEPTH DESIRED	Roset. notes	Hydro Team-PMEL SALT	NUTS	O2-Btl.No	O2 Temp	CHL.	Frac CHL.	DIC	Tom W O18	Grebme Coope	Masha δ15N	O2/Ar	Sambrotto Prod	DON	Harvey Lessard	Moran/ Lomas	Shull Radon	Stoeker µZoops	Pat Th		Nis No.
1	62		19/A	62	64				650											✓		1
2	50			63			✓	✓												✓		2
3	40			64			✓	✓												✓		3
4	30			65			✓	✓												✓		4
5	20			66			✓	✓												✓		5
6	10		20/A	67			✓	✓	651											✓		6
7	0			68			✓	✓	652													7
8																						8
9																						9
10																						10
11																						11
12																						12

66

VESSEL	CRUISE ID	PROJECT & LEG	Ship Designation (I.D.)	STATION NO.
USCG Healy	H10803	BEST/BSIERP_Summer '08	1H0802	59

CONSC CAST #	LATITUDE DEG	LATITUDE MIN		LONGITUDE DEG	LONGITUDE MIN		DAY	MO	YR	TIME (GMT) HR	TIME (GMT) 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
~~A~~ 67	57	53.92	N	169	14.33	W	14	JUL	08	16	05	6.5	6.1	1433	3	3	177	08			4	67	NP7

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

REMARKS: Prod Cast

MAX. DEPTH = 65 m

Nis No.	DEPTH DESIRED	Roset. notes	Hydro Team-PMEL SALT	NUTS	O2-Btl.No	O2 Temp	CHL.	Frac CHL.	DIC	Tom W O18	Grebme Coope	Masha δ15N	O2/Ar	Sambrotto Prod	DON	Harvey Lessard	Moran/ Lomas	Shull Radon	Stoeker µZoops	Pat Th		Nis No.	ALF
1	66			69																		1	✓
2	56			70																		2	✓
3	46			71																		3	✓
4	38			72													✓					4	✓
5	30			A4/73													✓					5	X
6	24			74													✓					6	✓
7	18			75													✓					7	✓
8	12			A2/78													✓					8	✓
9	6			79													✓					9	✓
10	6																		✓			10	
11	6																		✓			11	
12	0			A3/77													✓					12	✓

QN

0 12 30

BIO-OPTICS

0, 30, 66

2 bottles 50% chl. max

VESSEL	CRUISE ID	PROJECT & LEG	Ship Designation (I.D.)	STATION NO.
USCG Healy	H10803	BEST/BSIERP_Summer '08	1H0802	60

CONSC CAST #	LATITUDE DEG	LATITUDE MIN		LONGITUDE DEG	LONGITUDE MIN		DAY	MO	YR	TIME (GMT) HR	TIME (GMT) 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
06	57	40.29	N	169	31.13	W	14	JUL	08	19	46	7.0	6.8	1233			165	20	8		4	71	NP8

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

REMARKS

Chlor MAX 0 - 27 m

MAX. DEPTH = 66 m

Nis No.	DEPTH DESIRED	Roset. notes	Hydro Team-PMEL SALT	NUTS	O2-Btl.No	O2 Temp	CHL.	Frac CHL.	DIC	Tom W O18	Grebme Coope	Masha δ15N	O2/Ar	Sambrotto Prod	DON	Harvey Lessard	Moran/ Lomas	Shull Radon	Stoeker µZoops	Pat Th		Nis No.
1	BoT			80	069				✓	✓												1
2	50			81																		2
3	40			82																		3
4	30			83																		4
5	20			84																		5
6	10			85					✓	✓												6
7	5			✓															✓			7
8	0			86	068				✓	✓												8
9																						9
10																						10
11																						11
12																						12

5m

VESSEL	CRUISE ID	PROJECT & LEG	Ship Designation (I.D.)	STATION NO.
USCG Healy	H10803	BEST/BSIERP_Summer '08	1H0802	62

CONSC CAST #	LATITUDE DEG	LATITUDE MIN		LONGITUDE DEG	LONGITUDE MIN		DAY	MO	YR	TIME (GMT) HR	TIME (GMT) 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
	70	57 12.42	N	170	1.97	W	15	JUL	08	00	56	6.2	5.9	08	3	3	176	27			4	40	NP10

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

REMARKS: Near St. Paul

MAX. DEPTH = m

Nis No.	DEPTH DESIRED	Roset. notes	Hydro Team-PMEL SALT	NUTS	O2-Btl.No	O2 Temp	CHL.	Frac CHL.	DIC	Tom W O18	Grebme Coope	Masha δ15N	O2/Ar	Sambrotto Prod	DON	Harvey Lessard	Moran/ Lomas	Shull Radon	Stoeker µZoops	Pat Th		Nis No.
1	37			79			✓	✓		656												1
2	30			80			✓	✓														2
3	20			81	102		✓	✓														3
4	10			82			✓	✓	✓	657												4
5	5			83			✓	✓											✓			5
6	0			84			✓	✓	✓	658												6
7																						7
8																						8
9																						9
10																						10
11																						11
12																						12

Lisa 10m

Biooptics :- 30m, 0m

STA 61

VESSEL	CRUISE ID	PROJECT & LEG	Ship Designation (I.D.)	STATION NO.
USCG Healy	H10803	BEST/BSIERP_Summer '08	1H0802	np-9

CONSC CAST #	LATITUDE DEG	LATITUDE MIN		LONGITUDE DEG	LONGITUDE MIN		DAY	MO	YR	TIME (GMT) HR	TIME (GMT) 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
069	57	26.61	N	169	47.02	W	14	JUL	08	22	07	7.2	6.9	1113	4		169	24			4	66	np9

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

REMARKS: chl. similar 30-bottom
"

MAX. DEPTH = m

ALF

Nis No.	DEPTH DESIRED	Roset. notes	Hydro Team-PMEL SALT	NUTS	O2-Btl.No	O2 Temp	CHL.	Frac CHL.	DIC	Tom W O18	Grebm Coope	Masha δ15N	O2/Ar	Sambrotto Prod	DON	Harvey Lessard	Moran/ Lomas	Shull Radon	Stoeker µZoops	Pat Th		Nis No.
1	62			87	75				✓	653												1
2	50			88			✓															2
3	40			89			✓		✓													3
4	30			90			✓												✓			4
5	20			91			✓		✓													5
6	10			92			✓		✓	654												6
7	5			93	106		✓		✓	655									✓			7
8	0			94			✓		✓													8
9																						9
10																						10
11																						11
12																						12

BB Air temp
&
Bioptics, 62m, 40m, 0m.

VESSEL	CRUISE ID	PROJECT & LEG	Ship Designation (I.D.)	STATION NO.
USCG Healy	H10803	BEST/BSIERP_Summer '08	1H0802	63

CONSC CAST #	LATITUDE DEG	LATITUDE MIN		LONGITUDE DEG	LONGITUDE MIN		DAY	MO	YR	TIME (GMT) HR	TIME (GMT) 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
	71	56.58.54	N	170	16.88	W	15	JUL	08	03	37	7.7	7.5	05	4	4	164	28			6	72	NP11

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

REMARKS

MAX. DEPTH = m

Nis	DEPTH	Roset.	Hydro Team-PMEL							Tom W	Grebme	Masha		Sambrotto		Harvey	Moran/	Shull	Stoeker	Pat		Nis	ALF
No.	DESIRED	notes	SALT	NUTS	O2-Btl.No	O2 Temp	CHL.	Frac CHL.	DIC	O18	Coope	δ15N	O2/Ar	Prod	DON	Lessard	Lomas	Radon	µZoops	Th		No.	
1	67			71	105				✓	659					✓							1	✓
2	50			72			✓								✓							2	✓
3	40			73			✓		✓													3	✓
4	30			74			✓		✓						✓							4	✓
5	20			75			✓		✓						✓							5	✓
6	10			76			✓		✓	660					✓							6	✓
7	5			77			✓												DS			7	✓
8	0			78	061		✓		✓	661					✓							8	✓
9																						9	
10																						10	
11																						11	
12																						12	

Lisa took ~1L from Niskin 6 + 5

6 DOC
5 Diane
DOM

VESSEL	CRUISE ID	PROJECT & LEG	Ship Designation (I.D.)	STATION NO.
USCG Healy	H10803	BEST/BSIERP_Summer '08	1H0802	64

CONSC CAST #	LATITUDE DEG	LATITUDE MIN		LONGITUDE DEG	LONGITUDE MIN		DAY	MO	YR	TIME (GMT) HR	TIME (GMT) 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
	72	56.44.64	N	170	33.01	W	15	JUL	08	6	19	7.9	7.7	1044	3	3	357	23			4	110	NP12

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

REMARKS

MAX. DEPTH = m

Nis No.	DEPTH DESIRED	Roset. notes	Hydro Team-PMEL SALT	NUTS	O2-Btl.No	O2 Temp	CHL.	Frac CHL.	DIC	Tom W O18	Grebme Coope	Masha δ15N	Masha O2/Ar	Sambrotto Prod	Sambrotto DON	Harvey Lessard	Moran/ Lomas	Shull Radon	Stoeker µZoops	Pat Th		Nis No.	ALK
1	104			61	86					662												1	✓
2	75			62																		2	✓
3	50			63			✓			663												3	✓
4	40			64			✓															4	✓
5	30			65			✓															5	✓
6	20			66			✓															6	✓
7	10			67			✓		✓	664												7	✓
8	10												137									8	
9	5			68	72														PS			9	✓
10	0			69			✓		✓	665												10	✓
11																						11	
12																						12	

Lisa ~ 1L from Niskin 8

O2/Ar 10m
2DOC
5m Diane ✓

BIO-OPTICS

VESSEL	CRUISE ID	PROJECT & LEG	Ship Designation (I.D.)	STATION NO.
USCG Healy	H10803	BEST/BSIERP_Summer '08	1H0802	65

CONSC CAST #	LATITUDE DEG	LATITUDE MIN		LONGITUDE DEG	LONGITUDE MIN		DAY	MO	YR	TIME (GMT) HR	TIME (GMT) 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
0	73	56 31.10	N	170	47.58	W	15	JUL	08	9	48	8.1	7.9	06			224	16				122	NP13

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

REMARKS: dark

MAX. DEPTH = m

Nis No.	DEPTH DESIRED	Roset. notes	Hydro Team-PMEL SALT	NUTS	O2-Btl.No	O2 Temp	CHL.	Frac CHL.	DIC	Tom W O18	Grebme Coope	Masha δ15N	Masha O2/Ar	Sambrotto Prod	Sambrotto DON	Harvey Lessard	Moran/ Lomas	Shull Radon	Stoeker µZoops	Pat Th		Nis No.
1	119			31	1200				✓	666												1
2	100			32																		2
3	75			33					✓													3
4	50			34			✓		✓													4
5	40			35			✓		✓													5
6	30			36			✓		✓													6
7	20			37			✓		✓										DS			7
8	10			38	✓153		✓		✓	667												8
9	5																		DS			9
10	0			39			✓		✓	668												10
11																						11
12																						12

8 DIC/100c
5m 20m

VESSEL	CRUISE ID	PROJECT & LEG	Ship Designation (I.D.)	STATION NO.
USCG Healy	H10803	BEST/BSIERP_Summer '08	1H0802	65

CONSC CAST #	LATITUDE DEG	LATITUDE MIN		LONGITUDE DEG	LONGITUDE MIN		DAY	MO	YR	TIME (GMT) HR	TIME (GMT) 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
	74	56 30.23	N	170	47.84	W	15	JUL	08	10	38	7.7	7.5	06			230	17				123	NPI 3

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

REMARKS

Zoops

MAX. DEPTH = m

Nis	DEPTH	Roset.	Hydro Team-PMEL							Tom W	Grebme	Masha		Sambrotto		Harvey	Moran/	Shull	Stoeker	Pat		Nis
No.	DESIRED	notes	SALT	NUTS	O2-Btl.No	O2 Temp	CHL.	Frac CHL.	DIC	O18	Coope	δ15N	O2/Ar	Prod	DON	Lessard	Lomas	Radon	µZoops	Th		No.
1	7																					1
2	7																					2
3	7																					3
4	7																					4
5	7																					5
6																						6
7																						7
8																						8
9																						9
10																						10
11																						11
12																						12

VESSEL	CRUISE ID	PROJECT & LEG	Ship Designation (I.D.)	STATION NO.
USCG Healy	H10803	BEST/BSIERP_Summer '08	1H0802	66

CONSC CAST #	LATITUDE DEG	LATITUDE MIN		LONGITUDE DEG	LONGITUDE MIN			DAY	MO	YR	TIME (GMT) HR	TIME (GMT) 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
0	75	56 17.11	N	171	03.39	W		15	JUL	08	13	40	7.9	7.6	06			265	12				136	NP14

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

REMARKS

MAX. DEPTH = m

Nis No.	DEPTH DESIRED	Roset. notes	Hydro Team-PMEL SALT	NUTS	O2-Btl.No	O2 Temp	CHL.	Frac CHL.	DIC	Tom W O18	Grebme Coope	Masha δ15N	O2/Ar	Sambrotto Prod	DON	Harvey Lessard	Moran/ Lomas	Shull Radon	Stoeker µZoops	Pat Th		Nis No.
1	133		21/A	40	176					669												1
2	100			41																		2
3	75			42																		3
4	50			43																		4
5	40			44																		5
6	30			45																		6
7	20		22/A	46																		7
8	10			47	173				✓	670												8
9	0			48	174				✓	671												9
10																						10
11																						11
12																						12

2 DOC/DIC

VESSEL	CRUISE ID	PROJECT & LEG	Ship Designation (I.D.)	STATION NO.
USCG Healy	H10803	BEST/BSIERP_Summer '08	1H0802	66

CONSC CAST #	LATITUDE DEG	LATITUDE MIN		LONGITUDE DEG	LONGITUDE MIN		DAY	MO	YR	TIME (GMT) HR	TIME (GMT) 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
76	56	17.29	N	171	3.89	W	15	JUL	08	14	27	7.6	7.5	0743	2	8	12			4		136	NP14

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

REMARKS: Prod Cast

MAX. DEPTH = m

Nis No	DEPTH DESIRED	Roset. notes	Hydro Team-PMEL SALT	NUTS	O2-Btl.No	O2 Temp	CHL.	Frac CHL.	DIC	Tom W O18	Grebme Coope	Masha δ15N	O2/Ar	Sambrotto Prod	DON	Harvey Lessard	Moran/ Lomas	Shull Radon	Stoeker µZoops	Pat Th		Nis No.	ALF
1	134			49											✓							1	✓
2	90			50											✓							2	✓
3	55			51											✓							3	✓
4	33			52											✓							4	✓
5	21			53											✓							5	✓
6	17			54																		6	✓
7	13			55											✓							7	✓
8	9			56																		8	✓
9	4			57																		9	✓
10	4																		✓			10	
11	4																		✓			11	
12	0			58											✓							12	✓

VESSEL	CRUISE ID	PROJECT & LEG	Ship Designation (I.D.)	STATION NO.
USCG Healy	H10803	BEST/BSIERP_Summer '08	1H0802	67

CONSC CAST #	LATITUDE DEG	LATITUDE MIN		LONGITUDE DEG	LONGITUDE MIN		DAY	MO	YR	TIME (GMT) HR	TIME (GMT) 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
067	56	15.35	N	171	07.48	W	15	JUL	08	17	59	7.3	7.1	07	3	2	328	11	8	7	4	235	PITD2

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

REMARKS

MAX. DEPTH = m

Nis No.	DEPTH DESIRED	Roset. notes	Hydro Team-PMEL SALT	NUTS	O2-Btl.No	O2 Temp	CHL.	Frac CHL.	DIC	Tom W O18	Grebme Coope	Masha δ15N	O2/Ar	Sambrotto Prod	DON	Harvey Lessard	Moran/ Lomas	Shull Radon	Stoeker µZoops	Pat Th		Nis No.
1	215		23/A																			1
2	200																					2
3	175																					3
4	155																					4
5	125																					5
6	100																					6
7	80																					7
8	60																					8
9	50																					9
10	40																					10
11	25																					11
12	10		54/A																			12

VESSEL	CRUISE ID	PROJECT & LEG	Ship Designation (I.D.)	STATION NO.
USCG Healy	H10803	BEST/BSIERP_Summer '08	1H0802	68

CONSC CAST #	LATITUDE DEG	LATITUDE MIN		LONGITUDE DEG	LONGITUDE MIN		DAY	MO	YR	TIME (GMT) HR	TIME (GMT) 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
078	56	03.31	N	171	18.44	W	15	JUL	08	20	10	7.6	7.4	08	3	6	015	05	8	-	-	2757	NP15

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

REMARKS

No par sensor due to cast depth

MAX. DEPTH = 1487 m

Nis No.	DEPTH DESIRED	Roset. notes	Hydro Team-PMEL SALT	NUTS	O2-Btl.No	O2 Temp	CHL.	Frac CHL.	DIC DIC	Tom W O18	Grebme Coope	Masha δ15N	O2/Ar	Sambrotto Prod	DON	Harvey Lessard	Moran/ Lomas	Shull Radon	Stoeker µZoops	Pat Th		Nis No.	ALF
1	1487		1/F	1/2	190				✓	672												1	AF
2	200			3/4	202				✓													2	✓
3	150			5/6					✓													3	✓
4	100			7/8	172				✓													4	✓
5	75			9/10					✓													5	✓
6	50			11/12			✓		✓													6	✓
7	40			13/14			✓		✓													7	✓
8	30			15/16			✓		✓													8	✓
9	20			17/18			✓		✓													9	chlor MAX
10	10		7/F	19/20			✓		✓	673												10	at
11	5			21/22					✓													11	60zon
12	0			23/24	193		✓		✓	674												12	✓

Bio optics — 50, 20, 0
CDOM — 1487, 200, 100

re-deploy
Same cast ~~#~~ 14 8

No entry in event logger – "port already open"

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

CONSC CAST #	LATITUDE DEG	LATITUDE MIN		LONGITUDE DEG	LONGITUDE MIN		DAY	MO	YR	TIME (GMT) HR	TIME (GMT) 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
	80	56	10.31	N 171	11.24	W	14	JUL	08	22	41	8.4	5.8	1345	2	8	2	13	8	6	2	2291	NP14b

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

REMARKS

MAX DEPTH = 500 m

Nis	DEPTH	Roset.	Hydro Team-PMEL							Tom W	Grebme	Masha		Sambrotto		Harvey	Moran/	Shull	Stoeker	Pat		Nis
No.	DESIRED	notes	SALT	NUTS	O2-Btl.No	O2 Temp	CHL.	Frac CHL.	DIC	O18	Coope	δ15N	O2/Ar	Prod	DON	Lessard	Lomas	Radon	µZoops	Th		No.
1																						1
2																						2
3																						3
4																						4
5																						5
6																						6
7																						7
8																						8
9																						9
10																						10
11																						11
12																						12

Stopped 216m wire out – wire caught in bolts by the sheave –

VESSEL	CRUISE ID	PROJECT & LEG	Ship Designation (I.D.)	STATION NO.
USCG Healy	H10803	BEST/BSIERP_Summer '08	1H0802	68

CONSC CAST #	LATITUDE DEG	LATITUDE MIN		LONGITUDE DEG	LONGITUDE MIN		DAY	MO	YR	TIME (GMT) HR	TIME (GMT) 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
	79	56	3.34 N	171	8.15 W		16	JUL	08	01	06	8.2	7.9	07	3	5	08	06	8	7	2	275	NP15

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

REMARKS

Radon Cast

~~Pump off for top 5m~~

MAX. DEPTH = 80 m

Nis No.	DEPTH DESIRED	Roset. notes	Hydro Team-PMEL SALT	NUTS	O2-Btl.No	O2 Temp	CHL.	Frac CHL.	DIC	Tom W O18	Grebme Coope	Masha δ15N	O2/Ar	Sambrotto Prod	DON	Harvey Lessard	Moran/ Lomas	Shull Radon	Stoeker µZoops	Pat Th		Nis No.
1	60																					1
2	60																					2
3	50																					3
4	40																					4
5	30																					5
6	24																					6
7	18																					7
8	16																					8
9	12																					9
10	8																					10
11	5																					11
12	0																					12

End Cast 2356 16 Jul 56 10.42 171 13.94 dep 2076

VESSEL	CRUISE ID	PROJECT & LEG	Ship Designation (I.D.)	STATION NO.
USCG Healy	H10803	BEST/BSIERP_Summer '08	1H0802	71

CONSC CAST #	LATITUDE DEG	LATITUDE MIN		LONGITUDE DEG	LONGITUDE MIN		DAY	MO	YR	TIME (GMT) HR	TIME (GMT) 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
80	56	10.42	N	171	12.52	W	16	JUL	08	23	24	8.6	6.5	1445	5	2	78	17	8	6	2	2130	NP146

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

REMARKS: Water Depth 1720 by time we started up

MAX. DEPTH = 500 m

Nis No.	DEPTH DESIRED	Roset. notes	Hydro Team-PMEL SALT	NUTS	O2-Btl.No	O2 Temp	CHL.	Frac CHL.	DIC	Tom W O18	Grebme Coope	Masha δ15N	O2/Ar	Sambrotto Prod	DON	Harvey Lessard	Moran/ Lomas	Shull Radon	Stoeker µZoops	Pat Th		Nis No.
1	500		2/F	25	212																	1
2	400		3/F	26	213																	2
3	200		4/F	27	150																	3
4	150		5/F	28	217										✓							4
5	100		6/F	29	205																	5
6	75			30																		6
7	50			31			✓								✓							7
8	40			32			✓															8
9	30			33			✓															9
10	20			85			✓								✓							10
11	10			86			✓															11
12	0			95			✓								✓							12

Bio-optics On

VESSEL	CRUISE ID	PROJECT & LEG	Ship Designation (I.D.)	STATION NO.
USCG Healy	H10803	BEST/BSIERP_Summer '08	1H0802	72

CONSC CAST #	LATITUDE DEG	LATITUDE MIN		LONGITUDE DEG	LONGITUDE MIN		DAY	MO	YR	TIME (GMT) HR	TIME (GMT) 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
	81	56 24.18	N	170 56.00	W		17	JUL	08	01	51	8.8	6.3	1447	2	6	20	8		2		125	nP13B

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

REMARKS: Radium Cast for Pat
Bottles 4-10 (25.5 m)

MAX. DEPTH = m

Nis No.	DEPTH DESIRED	Roset. notes	Hydro Team-PMEL SALT	NUTS	O2-Btl.No	O2 Temp	CHL.	Frac CHL.	DIC	Tom W O18	Grebme Coope	Masha δ15N	O2/Ar	Sambrotto Prod	DON	Harvey Lessard	Moran/ Lomas	Shull Radon	Stoeker µZoops	Pat Th		Nis No.
1	122			34	✓187										✓							1
2	50			35			✓								✓							2
3	30			36			✓															3
4	20			37			✓															4
5	20																					5
6	20																					6
7	20																					7
8	20																					8
9	20																					9
10	20																					10
11	10			38			✓								✓							11
12	0			39	✓146		✓								✓							12

VESSEL	CRUISE ID	PROJECT & LEG	Ship Designation (I.D.)	STATION NO.
USCG Healy	H10803	BEST/BSIERP_Summer '08	1H0802	73

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) *	TYPE *	WEATHER *	BOTTOM DEPTH (m)	STA. NAME/ID
082	5637.78 N	17040.45 W	17	JUL	08	03	58	8.4	6.3	1335	2	5	4	25	8	62	·	114	NP12B

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

REMARKS: 2nd Radium Cast / Pat / NP12.5?

MAX. DEPTH = 110 m

Nis No.	DEPTH DESIRED	Roset. notes	Hydro Team-PMEL SALT	NUTS	O2-Btl.No	O2 Temp	CHL.	Frac CHL.	DIC	Tom W O18	Grebmeier Coope	Masha δ15N	O2/Ar	Sambrotto Prod	DON	Harvey Lessard	Moran/ Lomas	Shull Radon	Stoeker µZoops	Pat Th		Nis No.	ALF
1	110			40	91										✓							1	✓
2	50			41			✓								✓							2	✓
3	39			42			✓															3	
4	39																					4	
5	39	25,55																				5	
6	39																					6	
7	39																					7	
8	39																					8	✓
9	39																					9	
10	20			43			✓								✓							10	✓
11	10			44			✓															11	✓
12	0			45	179		✓								✓							12	✓

Bio optics – 10 m

40

VESSEL	CRUISE ID	PROJECT & LEG	Ship Designation (I.D.)	STATION NO.
USCG Healy	H10803	BEST/BSIERP_Summer '08	1H0802	74

CONSC CAST #	LATITUDE DEG	LATITUDE MIN		LONGITUDE DEG	LONGITUDE MIN		DAY	MO	YR	TIME (GMT) HR	TIME (GMT) 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
	083	56.51.65	N	170	25.12	W	17	JUL	08	06	43	8.1	6.6	1435	2	4	5	21	8	6	2	100	AKA NP11.5 nP11B

NP11.5

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

REMARKS

MAX. DEPTH = m

Nis No.	DEPTH DESIRED	Roset. notes	Hydro Team-PMEL SALT	NUTS	O2-Btl.No	O2 Temp	CHL.	Frac CHL.	DIC	Tom W O18	Grebme Coope	Masha δ15N	O2/Ar	Sambrotto Prod	DON	Harvey Lessard	Moran/ Lomas	Shull Radon	Stoeker µZoops	Pat Th		Nis No.
1	95			46	171										✓							1
2	50			47											✓							2
3	37			48																		3
4	37 (27.5)																					4
5	37																					5
6	37																					6
7	37																					7
8	37																					8
9	37																					9
10	20			49											✓							10
11	10			50											✓							11
12	0			51	92										✓							12

Radium

(37)

Null Cast
No data, No water samples

VESSEL	CRUISE ID	PROJECT & LEG	Ship Designation (I.D.)	STATION NO.
USCG Healy	H10803	BEST/BSIERP_Summer '08	1H0802	75

CONSC CAST #	LATITUDE DEG	LATITUDE MIN		LONGITUDE DEG	LONGITUDE MIN		DAY	MO	YR	TIME (GMT) HR	TIME (GMT) 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
08	45	7 5.60	N	170	9.37	W	17	JUL	08	9	33	6.7	5.9	13			247	22				36	np10B

At a NP10.5

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

REMARKS: Radium not done
No 25.5 σ_T water

MAX. DEPTH = m

Nis No.	DEPTH DESIRED	Roset. notes	Hydro Team-PMEL SALT	NUTS	O2-Btl.No	O2 Temp	CHL.	Frac CHL.	DIC	Tom W O18	Grebme Coope	Masha δ15N	O2/Ar	Sambrotto Prod	DON	Harvey Lessard	Moran/ Lomas	Shull Radon	Stoeker µZoops	Pat Th		Nis No.
1	35																					1
2	30																					2
3	20																					3
4	10																					4
5	8																					5
6	8																					6
7	8																					7
8	8																					8
9	8																					9
10	0																					10
11																						11
12																						12

Redone

Bridge lost steerage - had to abort cast before last 4 bottles tripped

~~called 0840~~

Redone Cast 84 WRONG

VESSEL	CRUISE ID	PROJECT & LEG	Ship Designation (I.D.)	STATION NO.
USCG Healy	H10803	BEST/BSIERP_Summer '08	1H0802	75

CONSC CAST #	LATITUDE DEG	LATITUDE MIN		LONGITUDE DEG	LONGITUDE MIN		DAY	MO	YR	TIME (GMT) HR	TIME (GMT) 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 (NP10,5)
84	57	5.55	N	170	9.00	W	17	JUL	08	9	54	6.4	5.8	13			252	19				40	NP 10 6

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

REMARKS

MAX. DEPTH = m

Nis No.	DEPTH DESIRED	Roset. notes	Hydro Team-PMEL SALT	NUTS	O2-Btl.No	O2 Temp	CHL.	Frac CHL.	DIC	Tom W O18	Grebme Coope	Masha δ15N	O2/Ar	Sambrotto Prod	DON	Harvey Lessard	Moran/ Lomas	Shull Radon	Stoeker µZoops	Pat Th		Nis No.
1	35		B/F	52[11]	97										✓							1
2	20			53[12]											✓							2
3	10			54[13]											✓							3
4	8																					4
5	8																					5
6	8																					6
7	8																					7
8	8		9/F																			8
9	0			55[14]											✓							9
10																						10
11																						11
12																						12

*Quicky Nuts

VESSEL	CRUISE ID	PROJECT & LEG	Ship Designation (I.D.)	STATION NO.
USCG Healy	H10803	BEST/BSIERP_Summer '08	1H0802	75

CONSC CAST #	LATITUDE DEG	LATITUDE MIN		LONGITUDE DEG	LONGITUDE MIN		DAY	MO	YR	TIME (GMT) HR	TIME (GMT) 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
	85	57 5.55	N	170	9.85	W	17	JUL	08	11	12	6.8	6.2	14			25	315				37	NP10.5 NP103

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

REMARKS

Prod Cast
Diane did not take water

MAX. DEPTH = m

Nis No.	DEPTH DESIRED	Roset. notes	Hydro Team-PMEL SALT	NUTS	O2-Btl.No	O2 Temp	CHL.	Frac CHL.	DIC	Tom W O18	Grebme Coope	Masha δ15N	O2/Ar	Sambrotto Prod	DON	Harvey Lessard	Moran/ Lomas	Shull Radon	Stoeker µZoops	Pat Th		Nis No.
1	29			56																		1
2	19			57																		2
3	15			58																		3
4	11			59																		4
5	8			60																		5
6	4			61																		6
7	0			62																		7
8																						8
9																						9
10																						10
11																						11
12																						12