

1300 45 from West 40 m/s + from NW wind

VESSEL USCGC Polar Sea		CRUISE ID PS1001		PROJECT & LEG BEST/BSIERP-ice 2010		Ship Designation (I.D.) PS1001 or 1PS10		STATION NO. 001	
62.01845		175.0497		LATITUDE		LONGITUDE			
Deg MIN		DEG MIN		DAY MO YR		TIME (GMT)		-23.2	
001 62.01.11 N		175 2.98 W		13 MAR 10		145833.2		-20.0	
SBE 9+ 416		FLUOR S/N 088234		PRESS SN 57473		SBE43-Oxy (prime) 501		10493?	
PRI TEMP SN 2498		SBE43-Oxy (sec)		SEC TEMP SN 4353		Transmissometer CST4360r		WET BULB (°C)	
PRI COND SN 2361		PAR S/N 70112		SEC COND SN 2863		Q2 Temp Sensor No.		PRESSURE (mb) * * * * *	
Depth		Rosette		Hydro Team-PMEL		Lee and Jackie		Sherr	
No. DESIRED		notes		SALT		Nut:Btl		O2Btl	
1 b		A 1		b		D60			
2 b									
3 B									
4 60									
5 50									
6 40									
7 30									
8 20									
9 15									
10 15									
11 10									
12 0									
Chlorophyll		chl a		chl b		chl c		chl d	
1		A 1		b		D60			
2									
3									
4									
5									
6									
7									
8									
9									
10									
11									
12									
Remarks									
1									
2									
3									
4									
5									
6									
7									
8									
9									
10									
11									
12									

Station notes:  
Used 0609 5 amms! Got me E data to make sure  
Wind speed units all m/s in final CTD file. However,  
the 5000 "b" blocked is when the ship is on station, so  
the 5000 wind sensor is broken. Blocked 0 VER

REMARKS: Leakers #5, #12  
Chlorophyll total chl = 295.5 m/s  
from

VESSEL		CRUISE ID		PROJECT & LEG		Ship Designation (I.D.)		STATION NO.														
USCGC Polar Sea		PS1001		BEST/BSIERP-Ice 2010		PS1001 or 1PS10		NWc5 2P1														
62.05065		175.0324						NWc5														
LATITUDE		LONGITUDE																				
Deg	MIN	DEG	MIN	DAY	MO	YR	HR	MIN														
02	62	3	04	N	175	11	94	W	13													
								MAR 10 2045														
SBE 9+ 416		FLUOR S/N 088234																				
PRESS SN 57473		SBE43-Oxy (prime) 501																				
PRI TEMP SN 2498		SBE43-Oxy (sec)																				
SEC TEMP SN 4353		Transmissometer cst436or																				
PRI COND SN 2361		PAR S/N 70112																				
SEC COND SN 2863		D2 Trip Sensor No.																				
								Altim 1062														
								REMARKS														
								Didier's cast (Prod) 3006														
								Didier took water and bottle is for ice sample. But did not pour on this station. Next the cast.														
								MAX DEPTH = m														
No.	Depth	Rosette	notes	SALT	Nutrit	02Btl	CHL	Fr CHL	chlor	bw	018	Phytoid	Urea	Prod	Part/DON	15N	Julie	Jared	Ted	Marla	Remarks	NIS
1	25				14																	
2	20				13																	
3	15				12																	
4	10				11																	
5	5				10																	
6	0				9																	
7																						
8																						
9																						
10																						
11																						
12																						

Station notes:

VESSEL		CRUISE ID		PROJECT & LEG		SHIP DESIGNATION (I.D.)		STATION NO.	
USCGC Polar Sea		PS1001		BEST/BSIERP-Ice 2010		PS1001 or 1PS10		NWC-5	
LATITUDE		LONGITUDE		TIME (GMT)		DRY BULB		WET BULB	
Deg MIN		Deg MIN		DAY MO YR		(°C)		(°C)	
362 2. 77 N		175 11. 75 W		13 MAR 10		20 25		13 13	
SBE 9+ 4 1 6		FLUOR S/N 0 8 8 2 3 4		REMARKS		MAX DEPTH = 73 m			
PRESS SN 5 7 4 7 3		SBE43-Oxy (prime) 5 0 1		Jackson Lee's coat		308 1 45			
PRI TEMP SN 2498		SBE43-Oxy (sec)		See CT04 for water temp		73 water temp			
SEC TEMP SN 4353		Transmissometer							
PRI COND SN 2361		PAR S/N 70112							
SEC COND SN 2863		O2 Temp Sensor No.							
DEPTH		Roset.		Hydro Team/PMEL		Lee and Jackie		Sherr	
No. DESIRED		notes		SALT		Nut.Btl		OZBtl	
1 b				110					
2 b									
3 70									
4 60									
5 50									
6 40									
7 30									
8 20									
9 15									
10 15									
11 10									
12 0									

Station notes:

NWC4

CTD004

VESSEL USCGC Polar Sea		CRUISE ID PS1001		PROJECT & LEG BEST/BSIERP-ice 2010		Ship Designation (I.D.) PS1001 or 1PS10		STATION NO. NWC4																											
LATITUDE		LONGITUDE		TIME (GMT)		DRY BULB		WET BULB		PRESSURE		SEA STATE		VISIBILITY		WIND DIRN.		WIND SPD.		CLOUD (amt)		TYPE		WEATHER		BOTTOM DEPTH		STA. NAME/ID							
Deg MIN		Deg MIN		DAY MO YR		HR MIN		('C)		('C)		(mb)		*		(deg)		(kts)		*		*		*		(m)		NWC4							
0046224.05 N		17431.65 W		14 MAR 10		2235						13		✓		135		10								(74)		NWC4							
SSE 9+ 416		FLUOR S/N 088234		REMARKS		After ice station		9.3 (135)		MAX DEPTH = 63 m																									
PRESS SN 57473		SSE43-Oxy (prime) 501																																	
PRI TEMP SN 2498		SSE43-Oxy (sec)																																	
SEC TEMP SN 4353		Transmissometer																																	
PRI COND SN 2361		PAR S/N 70112																																	
SEC COND SN 2863		02 Temp Sensor No.																																	
Depth		Rosette		Hydro Team-PMEL		Lee and Jackie		Sher		Sambrotto (Didier)		Julie		Jared		Ted		Remarks																	
No. DESRED		notes		SALT		Nut:BT		O2BT		CHL		Fr CHL		chlor		bw		O18		Phyroid		Urea		Prod		Part/DON		1SN		Isot/chl		Maria		Nis	
1		p				23								✓		✓																		1	
2		b														✓																2			
3		50				24				LC6																						3			
4		40				A/S 24				LC5				✓								✓										4			
5		30				26				LC6				✓																		5			
6		20				27				LC8				✓																		6			
7		15								LC8						✓																7			
8		15												✓																		8			
9		10				28		050		LC2				✓																		9			
10		0				A/S 29		29		LC1				✓								✓										10			
11																																11			
12																																12			

Station notes:

(NWC43)  
O2 yes 050  
Julie NO

Chaos

July 30<sup>00</sup> 1930



PS1001-05

VESSEL		USCGC Polar Sea		CRUISE ID		PS1001		PROJECT & LEG		BEST/BSIERP-Ice-2010		Ship Designation (I.D.)		PS1001 or 1PS10		STATION NO.		C7D006																			
LATITUDE		LONGITUDE		TIME (GMT)		DRY BULB		WET BULB		PRESSURE		SEA STATE		VISIBILITY		WIND DIRN.		WIND SPD.		CLOUD(amt)		TYPE		WEATHER		BOTTOM DEPTH		STA. NAME/ID									
0666233.33 N		17350.48 W		15 MAR 10		1759		.		09		*		*		103		12		71								V463									
SBE 9+ 416		FLUOR S/N 088234		REMARKS		102.12.8		MAX. DEPTH = 60 m																													
PRESS SN 57473		SBE43-Oxy (prime) 501																																			
PRI TEMP SN 2498		SBE43-Oxy (sec)																																			
SEC TEMP SN 4353		Transmissometer CST436or																																			
PRI COND SN 2361		PAR S/N 70112																																			
SEC COND SN 2863		O2 Temp Sensor No.																																			
Alt 1062																																					
Depth		Rosette		Hydro Team-PMEL		Lee and Jackie		Sherr		Sambrotto (Didier)		Julie		Jared		Ted		Remarks		Nis																	
No.		DESIRED		notes		SALT		Nut.Br		O2Br		CHL		Fr CHL		chlor		bw		O18		Phyroid		Urea		Prod		Part/DON		1SN		Isot/chl		Maia		No.	
1		b				A9																														1	
2		b						37		242																										2	
3		b																																		3	
4		b										LC6																								4	
5		b										LC5																								5	
6		b										LC4																								6	
7		b										LC3																								7	
8		b										LC2																								8	
9		b										LC1																								9	
10		b				A10		43																												10	
11		b																																		11	
12		b																																		12	

Station notes:

O<sub>2</sub> = 242  
Nut = 0037  
Julie = N/O.11



VESSEL USCGC Polar Sea CRUISE ID PS1001 PROJECT & LEG BEST/BSIERP-Ice 2010 Ship Designation (I.D.) PS1001 or 1PS10 STATION NO. PS1001-007

LATITUDE 008 62 40.60 N LONGITUDE 173 32.07 W DAY 16 MAR 10 TIME (GMT) 1449 DRY BULB -14.0 WET BULB PRESSURE 13 SEA STATE VISIBILITY WIND DIRN. 39 WIND SPD. 15 CLOUD(amt) TYPE WEATHER BOTTOM DEPTH 70 STA. NAME/ID E01

SBE 9+ 416 FLUOR S/N 088234 REMARKS 50 60.5 MAX DEPTH = 58 m  
PRESS SN 57473 SBE43-Oxy (prime) 501  
PRI TEMP SN 2498 SBE43-Oxy (sec)  
SEC TEMP SN 4353 Transmissometer CST4360  
PRI COND SN 2361 PAR S/N 70112  
SEC COND SN 2863 O2 Temp Sensor No.

No.	Depth	Rosette	Hydro Team-PMEL					Lee and Jackie			Sherr			Sambrotto (Didier)			Julie		Jared	Ted	Remarks	NIS
			notes	SALT	Nut.Btl	O2Btl	CHL	Fr CHL	chlor	bw	O18	Phytoid	Urea	Prod	Part/DON	15N	Isot/chl					
1	3.0m	AB			51	143																1
2	3.0m				52																	2
3	4.0m				53																	3
4	4.0m				54																	4
5	3.0m				55																	5
6	2.0m				56																	6
7	1.5m				57																	7
8	1.0m				58																	8
9	0.5m				59																	9
10					60																	10
11					61																	11
12					62																	12

Station notes:

O2  
Not Inside  
Nuts 51



PROD CTD

VESSEL USCGC Polar Sea		CRUISE ID PS1001		PROJECT & LEG BEST/BSIERP-Ice 2010		SHIP DESIGNATION (I.D.) PS1001 or 1PS10		STATION NO. PS1001-008																															
LATITUDE		LONGITUDE		TIME (GMT)		DRY BULB		WET BULB		PRESSURE		SEA STATE		VISIBILITY		WIND DIRN.		WIND SPD.		CLOUD(amt)		TYPE		WEATHER		BOTTOM DEPTH		STA. NAME/ID											
Deg		MIN		DEG		MIN		DAY		MO		YR		HR		MIN		°C		°C		(mb)		*		*		(deg)		(kts)		*		*		(m)			
009 16 24 45.35 N		173 24 16 1 W		16		MAR		10		19		46										15						84		17						21		VMS4	
SBE 9+ 416		FLUOR S/N 088234		REMARKS		PROD		849.0		MAX DEPTH = 61 m																													
PRESS SN 57473		SBE43-Oxy (prime) 501																																					
PRI TEMP SN 2498		SBE43-Oxy (sec)																																					
SEC TEMP SN 4353		Transmissometer																																					
PRI COND SN 2361		PAR S/N 70112																																					
SEC COND SN 2863		02 Temp Sensor No.																																					
Alt 1062																																							
Depth		Rosette		Hydro Team-PMEL		Lee and Jackie		Sherr		Sambrotto (Didier)		Julie		Jared		Ted		Remarks																					
No.		DESIRED		notes		SALT		Nut:Btl		O2Btl		CHL		Fr CHL		chlor		bw		018		Phyloid		Urea		Prod		Part/DON		15N		Isot/chl		Maria		No.			
1		25				A15		59																												1			
2		20						60																										2					
3		15						61																										3					
4		10						62																										4					
5		5						63																										5					
6		0				A16		64																										6					
7																																		7					
8																																		8					
9																																		9					
10																																		10					
11																																		11					
12																																		12					

Station notes: Nutrient Sample 0058 to D. Burdloff for ice station Sample → See Core 13; Sample used for core water

VESSEL		CRUISE ID		PROJECT & LEG		Ship Designation (I.D.)		STATION NO.																					
USCGC Polar Sea		PS1001		BEST/BSIERP-Ice 2010		PS1001 or 1PS10		VNG4																					
LATITUDE		LONGITUDE		TIME (GMT)		DRY BULB		WET BULB		PRESSURE		SEA STATE		VISIBILITY		WIND DIRN.		WIND SPD.		CLOUD(amt)		TYPE		WEATHER		BOTTOM DEPTH		STA. NAME/ID	
Deg MIN		Deg MIN		DAY MO YR		HR MIN		°C		°C		(mb)		*		(deg)		(kts)		*		*		(m)					
106 24 5		70 N		173 26.07 W		16 MAR 10		0235		.		.		.		15		85		09						71			
SBE 9+ 416		FLUOR S/N 088234		REMARKS																									
PRESS SN 57473		SBE43-Oxy (prime) 501																											
PRI TEMP SN 2498		SBE43-Oxy (sec)																											
SEC TEMP SN 4353		Transmissometer csi436or																											
PRI COND SN 2361		PAR S/N 70112																											
SEC COND SN 2863		O2 Temp Sensor No.																											
Depth		Rosette		Hydro Team-PMEL		Lee and Jackie		Sherr		Sambrotto (Didier)		Julie		Jared		Ted		Remarks											
No	DESIRED	notes	SALT	Nut.Btl	O2Btl	CHL	Fr CHL	chlor	bw	O18	Phyroid	Urea	Prod	Part/DON	15N	Isot/chl	Mania												
1	6			65					✓	✓		✓		✓	16														
2	6																												
3	50			16/6		LC6		✓				✓		✓	17														
4	40		A17	167		LC5		✓				✓		✓	18														
5	30			68		LC4		✓		✓																			
6	20		A18	69		LC3		✓				✓		✓	19														
7	15										✓					✓													
8	15																✓												
9	10			70		LC2		✓																					
10	0			71		LC1		✓		✓		✓		✓															
11																													
12																													

Station notes:

Julie 16  
Nuts 65 (58 was Didier's sample)

93 9.1  
m/s

MAX. DEPTH = m

VESSEL		CRUISE ID		PROJECT & LEG		Ship Designation (I.D.)		STATION NO.																						
USCGC Polar Sea		PS1001		BEST/BSIERP-Ice 2010		PS1001 or 1PS10		NWC 2.5 (09)																						
LATITUDE		LONGITUDE		TIME (GMT)		DRY BULB		WET BULB		PRESSURE		SEA STATE		VISIBILITY		WIND DIRN.		WIND SPD.		CLOUD(amt)		TYPE		WEATHER		BOTTOM DEPTH		STA. NAME/ID		
Deg MIN		Deg MIN		DAY MO YR		HR MIN		°C		°C		(mb)		*		(deg)		(kts)		*		*		*		(m)				
1163		2.00 N		17325.35 W		17 MAR 10		0659										14		12012						73		11		
SBE 9+		4 1 6		FLUOR S/N		0 8 8 2 3 4		REMARKS																						
PRESS SN		5 7 4 7 3		SBE43-Oxy (prime)		5 0 1																								
PRI TEMP SN		2498		SBE43-Oxy (sec)																										
SEC TEMP SN		4353		Transmissometer		CS1436or																								
PRI COND SN		2361		PAR S/N		70112																								
SEC COND SN		2863		02 Temp Sensor No.																										
Depth		Rosette		Hydro Team-PMEL		Lee and Jackie		Sherr		Sambrotto (Didier)		Julie		Jared		Ted		Remarks												
No.	DESIRED	notes	SALT	Nut.Btl	O2Btl	CHL	Fr CHL	chlor	bw	O18	Phyroid	Urea	Prod	Part/DON	15N	Isot/chl	Maria													
1	6	65	A19	72					✓																					
2	6																													
3	50			73		LC6		✓																						
4	40			74	239	LC5		✓																						
5	30			75		LC4		✓																						
6	20			76		LC3		✓																						
7	15																													
8	15																													
9	10			77		LC2		✓																						
10	0		A20	78		LC1		✓																						
11																														
12																														

Station notes:

O2 239  
NWL 72

(m/s)  
120 12

MAX DEPTH = 65 m

VESSEL USCGC Polar Sea		CRUISE ID PS1001		PROJECT & LEG BEST/BSIERP-ice 2010		Ship Designation (I.D.) PS1001 or 1PS10		STATION NO. PS1001-010	
LATITUDE		LONGITUDE		TIME (GMT)		-8.3		WIND DIR.	
Deg	MIN	Deg	MIN	DAY	MO	YR	HR	MIN	WIND SPD.
0126258.12	N	17259.20	W	17	MAR	10	15	02	4
SBE 9+ 416		ELUOR S/N 088234		REMARKS		1408		MAX. DEPTH = m	
PRESS SN 57473		SBE43-Oxy (prime) 501							
PRI TEMP SN 2498		SBE43-Oxy (sec)							
SEC TEMP SN 4353		Transmissometer Cst4360r							
PRI COND SN 2361		PAR S/N 70112							
SEC COND SN 2863		O2 Temp Sensor No.							
Altim 1062									
No.	Depth	Rosette	Hydro Team-PMEL	Lee and Jackie		Shear	Sambrotto (Didier)		Julie
	DESIRED	notes	SALT	Nut.Btl	O2Btl	CHL	Fr CHL	chlor	bw
1	80	21A	79	80	LC6				
2	80	80	LC6						
3	81	81	LC5						
4	82	82	LC4						
5	83	83	LC3						
6	84	84	LC2						
7	85	85	LC1						
8	85	85	LC1						
9									
10									
11									
12									

Station notes:

Indio

VESSEL		CRUISE ID		PROJECT & LEG		Ship Designation (I.D.)		STATION NO.	
USCGC Polar Sea		PS1001		BEST/BSIERP-ice 2010		PS1001 or 1PS10		PS1001-011	
LATITUDE		LONGITUDE		TIME (GMT)		DRY BULB		WET BULB	
Deg MIN		Deg MIN		DAY MO YR		°C		°C	
013 6245.69 N		172421.58 W		17 MAR 10		2106-8.1		104%	
SBE 9+ 416		FLUOR S/N 088234		REMARKS		PRESSURE		SEA STATE	
PRESS SN 57473		SBE43-Oxy (prime) 501				(mb)		*	
PRI TEMP SN 2498		SBE43-Oxy (sec)				13		138	
SEC TEMP SN 4353		Transmissometer				13		138	
PRI COND SN 2361		PAR S/N 70112				13		138	
SEC COND SN 2863		O2 Temp Sensor No.				13		138	
Depth		Rosette		Hydro Team-PMEL		Lee and Jackie		Shear	
No. DESIRED		notes		SALT		Nut.Btl		O2Btl	
1 b				86		LC16		✓	
2 40				87		LC05		✓	
3 30				88		LC4		✓	
4 20				89		LC3		✓	
5 15				90		LC2		✓	
6 10				91		LC1		✓	
7 0				91		LC1		✓	
8									
9									
10									
11									
12									

Station notes:

208-Surf

58 used thin station (Dichlor)  
top of core water

135/10

MAX DEPTH = 64

SUC 3a



VESSEL		USCGC Polar Sea		CRUISE ID		PS1001		PROJECT & LEG		BEST/BSIERP-ice 2010		Ship Designation (I.D.)		PS1001 or 1PS10		STATION NO.		12																					
LATITUDE		LONGITUDE		TIME (GMT)		DRY BULB		WET BULB		PRESSURE		SEA STATE		VISIBILITY		WIND DIRN.		WIND SPD.		CLOUD(amt)		TYPE		WEATHER		BOTTOM DEPTH		STA. NAME/ID											
Deg		MIN		DEG		MIN		DAY		MO		YR		HR		MIN		°C		°C		(mb)		*		(deg)		(kts)		*		*		(m)					
14 62 34		49 N		17 21 18		45 W		18		MAR		10		02		24		6-5.1				10		✓		11		00		8		2		5		70		2023A	
SBE 9+		416		FLUOR S/N		088234		REMARKS		2ce 6' dred in hole at start of cast		CTD -> 30m while they do all w/ice		116/14		MAX DEPTH = 41 m																							
PRESS SN		57473		SBE43-Oxy (prime)		501																																	
PRI TEMP SN		2498		SBE43-Oxy (sec)																																			
SEC TEMP SN		4353		Transmissometer		cst436or																																	
PRI COND SN		2361		PAR S/N		70112																																	
SEC COND SN		2863		O2 Temp Sensor No.																																			
Depth		Rosette		Hydro Team-PMEL		Lee and Jackie		Sher		Sambrotto (Didier)		Julie		Jared		Ted		Remarks																					
No.		DESIRED		notes		SALT		Nut:Btl		O2Btl		CHL		Fr-CHL		chlor		bw		O18		Phytoid		Urea		Prod		Part/DON		15N		Isot/chl		Maria		No.			
1		b		41				92				LC5				✓		✓																		1			
2		30						c1		93		LC4				✓				✓																2			
3		20						c2		94		LC3				✓																				3			
4		15																																		4			
5		10								95		LC0				✓																				5			
6		0								96		LC1				✓																				6			
7																																				7			
8																																				8			
9																																				9			
10																																				10			
11																																				11			
12																																				12			

Station notes:

Julie 20

Nuts 92

VESSEL USCGC Polar Sea		CRUISE ID PS1001		PROJECT & LEG BEST/BSIERP-Ice 2010		Ship Designation (I.D.) PS1001 or 1PS10		STATION NO. 13	
LATITUDE 15 62 26.45 N		LONGITUDE 172 18.69 W		TIME (GMT) 18 MAR 10		DRY BULB 104.2		WET BULB 104.2	
Deg MIN		DEG MIN		DAY MO YR		HR MIN		PRESSURE 08.1	
SBE 9+ 416		FLUOR S/N 088234		REMARKS 15710 120114		SEA STATE 1		WIND DIRN. 097	
PRESS SN 57473		SBE43-Oxy (prime) 501		MAX DEPTH = 46 m		VISIBILITY 1		WIND SPD. 097	
PRI TEMP SN 2498		SBE43-Oxy (sec)				CLOUD(amt) 1		WEATHER 1	
SEC TEMP SN 4353		Transmissometer CST4360r				TYPE 1		BOTTOM DEPTH 54	
PRI COND SN 2361		PAR S/N 70112				WEATHER 1		STA. NAME/ID 51L3	
SEC COND SN 2863		O2 Temp Sensor No.		Alt 1062					

No.	Depth	Rosette	Hydro Team-PMEL				Lee and Jackie				Sher				Sambrotto (Didier)				Julie		Iared		Ted		Remarks	Nis		
			notes	SALT	Nut:Btl	O2Btl	CHL	Fr CHL	chl	bw	O18	Phytoid	Urea	Prod	Part/DON	15N	Isot/chl	Maria										
1	6				97		LC5			✓	✓																	1
2	30				98	144	LC4			✓	✓																	2
3	20				99		LC3			✓																		3
4	15						LC3																					4
5	10						LC2			✓																		5
6	0						LC1			✓	✓																	6
7																												7
8																												8
9																												9
10																												10
11																												11
12																												12

Station notes:

O<sub>2</sub> 144  
Nuts

VESSEL USCGC Polar Sea		CRUISE ID PS1001		PROJECT & LEG BEST/BSIERP-Ice 2010		Ship Designation (I.D.) PS1001 or 1PS10		STATION NO.																													
LATITUDE		LONGITUDE		TIME (GMT)		DRY BULB		WET BULB		PRESSURE		SEA STATE		VISIBILITY		WIND DIRN.		WIND SPD.		CLOUD(amt)		TYPE		WEATHER		BOTTOM DEPTH		STA. NAME/ID									
Deg MIN		Deg MIN		DAY MO YR		HR MIN		('C)		('C)		(mb)		*		(deg)		(kts)		*		*		*		(m)											
016 62 29		79 N 171 51.16 W		18 MAR 10		11 17						08				302		5								52		SECO2.5									
SBE 9+		4 1 6		FLUOR S/N		0 8 8 2 3 4																															
PRESS SN		5 7 4 7 3		SBE43-Oxy (prime)		5 0 1																															
PRI TEMP SN		2498		SBE43-Oxy (sec)																																	
SEC TEMP SN		4353		Transmissometer		cst436or																															
PRI COND SN		2361		PAR S/N		70112																															
SEC COND SN		2863		02 Temp Sensor No.																																	
Depth		Rosette		Hydro Team-PMEL		Lee and Jackie		Sher		Sambrotto (Didier)		Julie		Jared		Ted		Remarks																			
No. DESIRED		notes		SALT		Nut.Btl		O2Btl		CHL		Fr-CHL		chlor		bw		O18		PhyloId		Urea		Prod		Part/DON		15N		Isot/chl		Maria					
1 bot				C5		102				106																											
2 40						103				105																											
3 30						104				104																											
4 20						105				103																											
5 15										102																											
6 10										106																											
7 0						C6		107		101																											
8																																					
9																																					
10																																					
11																																					
12																																					

Station notes:

Julie 30  
Nuts 102

315/02

MAX DEPTH = 43 m

VESSEL USCGC Polar Sea		CRUISE ID PS1001		PROJECT & LEG BEST/BSIERP-Ice 2010		Ship Designation (I.D.) PS1001 or 1PS10		STATION NO. PS1001-015																						
LATITUDE		LONGITUDE		TIME (GMT)		DRY BULB		WET BULB		PRESSURE		SEA STATE		VISIBILITY		WIND DIRN.		WIND SPD.		CLOUD(amt)		TYPE		WEATHER		BOTTOM DEPTH		STA. NAME/ID		
Deg MIN		Deg MIN		DAY MO YR		HR MIN		('C)		('C)		(mb)		*		*		(deg)		(kts)		*		*		(m)		G02		
017 62 31.88 N		172 08.11 W		18 MAR 10		1323		-4.8				07						13313								52		G02		
SBE 9+ 416		FLUOR S/N 088234		REMARKS																						MAX. DEPTH =		m		
PRESS SN 57473		SBE43-Oxy (prime) 501																												
PRI TEMP SN 2498		SBE43-Oxy (sec)																												
SEC TEMP SN 4353		Transmissometer		CST436or																										
PRI COND SN 2361		PAR S/N		70112																										
SEC COND SN 2863		D2 Temp Sensor No.																												
Depth		Rosette		Hydro Team-PMEL		Lee and Jackie		Sherr		Sambrotto (Didier)		Julie		Jared		Ted		Remarks												
No.	DESIRED	notes	SALT	Nut.Btl	O2Btl	CHL	Fr CHL	chlor	bw	O18	Phyroid	Urea	Prod	Part/DON	15N	sot/chl	Maia	No.												
1	Bof		A7															1												
2	Bof		C7	108		LCL												2												
3	40			109		LC5												3												
4	30			110		LCH												4												
5	20			111		LC3												5												
6	15			112														6												
7	10			113		LCH												7												
8	6		C8	113	147	KC1												8												
9																		9												
10																		10												
11																		11												
12																		12												

Station notes:

VESSEL		CRUISE ID		PROJECT & LEG		Ship Designation (I.D.)		STATION NO.																					
USCGC Polar Sea		PS1001		BEST/BSIERP-Ice 2010		PS1001 or 1PS10		PS1001-016																					
LATITUDE		LONGITUDE		TIME (GMT)		DRY BULB		WET BULB		PRESSURE		SEA STATE		VISIBILITY		WIND DIRN.		WIND SPD.		CLOUD(amt)		TYPE		WEATHER		BOTTOM DEPTH		STA. NAME/ID	
Deg MIN		Deg MIN		DAY MO YR		HR MIN		°C		°C		(mb)		+		(deg)		(kts)		+		+		+		(m)		CD2	
018 42 33 43		172 10 76 18		MAR 10		18:36						05				124		13								53			
SBE 9+ 416		FLUOR S/N 088234		REMARKS		Productivity cast																				MAX. DEPTH = 43 m			
PRESS SN 57473		SBE43-Oxy (prime) 501																											
PRI TEMP SN 2498		SBE43-Oxy (sec)																											
SEC TEMP SN 4353		Transmissometer																											
PRI COND SN 2361		PAR S/N																											
SEC COND SN 2863		02 Temp Sensor No.																											
Depth		Rosette		Hydro Team-PMEL		Lee and Jackie		Sherr		Sambrotto (Didier)		Julie		Jared		Ted		Remarks											
No	DESIRED	notes	SALT	Nut.Btl	02Btl	CHL	Fr CHL	chlor	bw	018	Phytoid	Urea	Prod	Part/DON	15N	sot/chl	Maria												
1	bot		109	114																									
2	25			115																									
3	20			116																									
4	15			117																									
5	10			118																									
6	5			119																									
7	0			120																									
8																													
9																													
10																													
11																													
12																													

Station notes:



VESSEL		CRUISE ID		PROJECT & LEG		Ship Designation (I.D.)		STATION NO.																						
USCGC Polar Sea		PS1001		BEST/BSIERP-Ice 2010		PS1001 or 1PS10		200616																						
LATITUDE		LONGITUDE		TIME (GMT)		DRY BULB		WET BULB		PRESSURE		SEA STATE		VISIBILITY		WIND DIRN.		WIND SPD.		CLOUD(amt)		TYPE		WEATHER		BOTTOM DEPTH		STA. NAME/ID		
Deg MIN		Deg MIN		DAY MO YR		HR MIN		(°C)		(°C)		(mb)		*		(deg)		(kts)		*		*		*		(m)		55		
019 62 39.05 N		72 14.03 W		19 MAR 10		07 37		-5.16		01		-		1014		11		M/S		23		-		-		55		CD08		
SSE 9+ 41.6		FLUOR S/N 088234		REMARKS		101/12		5044		MAX DEPTH = 43 m																				
PRESS SN 57473		SSE43-Oxy (prime) 501																												
PRI TEMP SN 2498		SSE43-Oxy (sec)																												
SEC TEMP SN 4353		Transmissometer																												
PRI COND SN 2361		PAR S/N 70112																												
SEC COND SN 2863		D2 Temp Sensor No.																												
Depth		Rosette		Hydro Team-PMEL		Lee and Jackie		Sherr		Sambrotto (Didier)		Julie		Jared		Ted		Remarks												
No.	DESIRED	notes	SALT	Nut.Btl	O2Btl	CHL	Fr CHL	chlor	bw	O18	PhytoID	Jrea	Prod	Part/DON	15N	Isot/chl	Mania													
1	10	43		121		LC5		✓	✓	✓					35															
2	10			122		LC4		✓							36															
3	10			123		LC3		✓							37															
4	10			124		LC2		✓							38															
5	10			125		LC1		✓																						
6	10																													
7	10																													
8	10																													
9	10																													
10	10																													
11	10																													
12	10																													

Station notes:

Julie 35  
w 121



VESSEL USCGC Polar Sea		CRUISE ID PS1001		PROJECT & LEG BEST/BSIERP-Ice 2010		Ship Designation (I.D.) PS1001 or 1PS10		STATION NO. 1281001-018																							
LATITUDE		LONGITUDE		TIME (GMT)		DRY BULB		WET BULB		PRESSURE		SEA STATE		VISIBILITY		WIND DIRN.		WIND SPD.		CLOUD(amt)		TYPE		WEATHER		BOTTOM DEPTH		STA. NAME/ID			
Deg MIN		DEG MIN		DAY MO YR		HR MIN		°C		°C		(mb)		*		(deg)		(kts)		*		*		*		(m)					
02 1623		37.82 N		17159.20 W		19 MAR 10		1837										06								183		6		54	
SBE 9+ 416		FLUOR S/N 088234		REMARKS		18404		MAX DEPTH = 45 m																							
PRESS SN 57473		SBE43-Oxy (prime) 501																													
PRI TEMP SN 2498		SBE43-Oxy (sec)																													
SEC TEMP SN 4353		Transmissometer																													
PRI COND SN 2361		PAR S/N 70112																													
SEC COND SN 2863		O2 Temp Sensor No.																													
Depth		Rosette		Hydro Team-PMEL		Lee and Jackie		Sherr		Sambrotto (Didier)		Julie		Jared		Ted		Remarks													
No.	DESIRED	notes	SALT	Nut:Btl	O2Btl	CHL	Fr CHL	chlor	bw	O18	Phytoid	Urea	Prod	Part/DON	15N	sot/chl	Mania														
1	BoT		C15	132		LC6			✓						39																
2	401			133		LC5									40																
3	30			134		LC4									44																
4	20			135		LC3			✓						42																
5	15																														
6	10																														
7	0								✓																						
8																															
9																															
10																															
11																															
12																															

Station notes:

6239 172.56

VESSEL USCGC Polar Sea		CRUISE ID PS1001		PROJECT & LEG BEST/BSIERP-Ice 2010		SHIP Designation (I.D.) PS1001 or 1PS10		STATION NO. PS1001-019	
LATITUDE		LONGITUDE		TIME (GMT)		DRY BULB		WET BULB	
Deg	MIN	Deg	MIN	DAY	MO	YR	HR	MIN	(°C)
022	6222.24	N	17223.00	W	20	MAR	10	0016	-5.0
SBE 9+ 416		FLUOR S/N 088234		REMARKS		PRESSURE		SEA STATE	
PRESS SN 57473		SBE43-Oxy (prime) 5.01		130/01		29.1		VISIBILITY	
PRI TEMP SN 2498		SBE43-Oxy (sec)		m/s 9		025		WIND DIRN.	
SEC TEMP SN 4353		Transmissometer cst436or		5 51		1		WIND SPD.	
PRI COND SN 2361		PAR S/N 70112		MAX DEPTH = 46 m		4		CLOUD(amt)	
SEC COND SN 2863		02 Temp Sensor No.		Altum 1062		1		TYPE	
Depth		Rosette		Hydro Team-PMEL		Lee and Jackie		Sheer	
No.	DESIRED	notes	SALT	Nut.Bt	O2Bt	CHL	Ft CHL	chlor	bw
1	46			139		LC6		✓	✓
2	40			140	196	LC5		✓	
3	30			141		LC4		✓	✓
4	20			142		LC3		✓	
5	15			143		LC2		✓	✓
6	10			144		LC1		✓	
7	0								
8									
9									
10									
11									
12									

Station notes:

Nut = 01389  
O<sub>2</sub> = 196

Dieder took Nut# 138 for Wapys sample

VESSEL		CRUISE ID		PROJECT & LEG		Ship Designation (I.D.)		STATION NO.																						
USCGC Polar Sea		PS1001		BEST/BSIERP-Ice 2010		PS1001 or 1PS10		20120																						
LATITUDE		LONGITUDE		TIME (GMT)		DRY BULB		WET BULB		PRESSURE		SEA STATE		VISIBILITY		WIND DIRN.		WIND SPD.		CLOUD (amt)		TYPE		WEATHER		BOTTOM DEPTH		STA. NAME/ID		
Deg MIN		Deg MIN		DAY MO YR		HR MIN		°C		°C		(mb)		*		(deg)		(kts)		*		*		(m)						
23 62 15.51 N		172 16.93 W		20 MAR 10		05 14 - 5.8		12		12		12		12		12		12		12		12		12		12		12		
SSE 9+ 41 6		FLUOR S/N 08 823 4		REMARKS		179/02		m/s 5		MAX. DEPTH = 45 m																				
PRESS SN 57473		SBE43-Oxy (prime) 5.01																												
PRI TEMP SN 2498		SBE43-Oxy (sec)																												
SEC TEMP SN 4353		Transmissometer																												
PRI COND SN 2361		PAR S/N 70112																												
SEC COND SN 2863		O2 Trnp Sensor No.																												
Depth		Rosette		Hydro Team-PMEL		Lee and Jackie		Sherr		Sambrotto (Didier)		Julie		Jared		Ted		Remarks												
No.	DESIRED	notes	SALT	Nut:Bt	O2Bt	CHL	Fr-CHL	chlor	bw	O18	Phytoid	Urea	Prod	Part/DON	15N	Isot/chl	Maria													
1	h	45	81	145		LC5		-	✓						44															
2	30			146		LC4		✓							45															
3	20			147		LC3		✓	✓						46															
4	15																													
5	10			148		LC2		✓							47															
6	0			149		LC1		✓																						
7																														
8																														
9																														
10																														
11																														
12																														

Station notes:

Julie 44  
N 145



VESSEL USCGC Polar Sea		CRUISE ID PS1001		PROJECT & LEG BEST/BSIERP-Ice 2010		Ship Designation (I.D.) PS1001 or 1PS10		STATION NO. 21																													
LATITUDE		LONGITUDE		TIME (GMT)		DRY BULB		WET BULB		PRESSURE		SEA STATE		VISIBILITY		WIND DIRN.		WIND SPD.		CLOUD(amt)		WEATHER		BOTTOM DEPTH		STA. NAME/ID											
Deg MIN		DEG MIN		DAY MO YR		HR MIN		°C		°C		(mb)		*		(deg)		(kts)		*		*		(m)													
246209.04 N		17210.72 W		20 MAR 10		0833-7.16						14		-		13601								56		CD10A											
SBE 9+ 416		FLUOR S/N 088234		REMARKS		Pa was seen to the north.		m/s		21/03		MAX DEPTH =		m																							
PRESS SN 57473		SBE43-Oxy (prime) 501																																			
PRI TEMP SN 2498		SBE43-Oxy (sec)																																			
SEC TEMP SN 4353		Transmissometer																																			
PRI COND SN 2361		PAR S/N 70112																																			
SEC COND SN 2863		02 Temp Sensor No.																																			
Depth		Rosette		Hydro Team/PMEL		Lee and Jackie		Sherr		Sambrotto (Didier)		Julie		Jared		Ted																					
No. DESIRED		/notes		SALT		Nut.Btl		O2Btl		CHL		Fr CHL		chlor		bw		O18		Phytoid		Urea		Prod		Part/DON		15N		Isot/chl		Marta					
1 46				B3		150				LC6				✓		✓																					
2 40						151				LC5				✓																							
3 30						152				LC4				✓																							
4 20						153				LC3				✓																							
5 15																																					
6 10						154		182		LC2				✓																							
7 0						B4		155		LC1				✓																							
8																																					
9																																					
10																																					
11																																					
12																																					

Station notes:  
02182  
1

SSSEL		CRUISE ID		PROJECT & LEG		Ship Designation (I.D.)		STATION NO.																							
SCGC Polar Sea		PS1001		BEST/BSIERP-Ice 2010		PS1001 or 1PS10		PS1001-022																							
LATITUDE		LONGITUDE		TIME (GMT)		DRY BULB		WET BULB		PRESSURE		SEA STATE		VISIBILITY		WIND DIRN.		WIND SPD.		CLOUD(amt)		TYPE		WEATHER		BOTTOM DEPTH		STA. NAME/ID			
Deg MIN		Deg MIN		DAY MO YR		HR MIN		°C		°C		(mb)		*		*		(deg)		(kts)		*		*		(m)					
025 61 55.41 N		172 13.02 W		20 MAR 10		1204		-9.4				16						85		2						60		SE44			
SRE 9+ 416		FLUOR S/N 088234		REMARKS		054101		MAX DEPTH = 51 m																							
PRESS SV 57473		SBE43-Oxy (prime) 501																													
H4 TEMP SN 2498		SBE43-Oxy (sec)																													
SEC TEMP SN 4353		Transmissometer																													
PRI COND SN 2361		PAR S/N 70112																													
SEC COND SN 2863		02 Temp Sensor No.																													
Depth		Rosette		Hydro Team-PMEL		Lee and Jackie		Sherr		Sambrotto (Diader)		Julie		Jared		Ted		Maria		Remarks											
No. DESIRED		notes		SALT		Nut.Bt		O2Bt		CHL		Fr CHL		chlor		bw		O18		PhycoID		Urea		Prod		Part/DON		15N		No.	
1 bat				B5		156																								1	
2 50						157				LC6																				2	
3 40						158				LC5																				3	
4 30						159				LC4																				4	
5 20						160				LC3																				5	
6 15																														6	
7 10										LC2																				7	
8 0						B6		162		LC1																				8	
9																														9	
10																														10	
11																														11	
12																														12	

tation notes:

VESSEL		CRUISE ID		PROJECT & LEG		Ship Designation (I.D.)		STATION NO.																						
USCGC Polar Sea		PS1001		BEST/BSIERP-Ice 2010		PS1001 or 1PS10		PS1001-023																						
LATITUDE		LONGITUDE		TIME (GMT)		DRY BULB		WET BULB		PRESSURE		SEA STATE		VISIBILITY		WIND DIRN.		WIND SPD.		CLOUD(amt)		TYPE		WEATHER		BOTTOM DEPTH		STA. NAME/ID		
Deg MIN		DEG MIN		DAY MO YR		HR MIN		°C		°C		(mb)		*		(deg)		(kts)		*		*		(m)						
026 62/6.86 N		171 33.72 W		20 MAR 10		1917						19				1021										50		SEC3		
SBE 9+ 416		FLUOR S/N 088234		REMARKS		101/01																				MAX. DEPTH = 41 m				
PRESS SN 57473		SBE43-Oxy (prime) 501																												
PRI TEMP SN 2498		SBE43-Oxy (sec)																												
SEC TEMP SN 4353		Transmissometer		CST4360r																										
PRI COND SN 2361		PAR S/N		70112																										
SEC COND SN 2863		O2 Temp Sensor No.		Altim 1062																										
Depth		Rosette		Hydro Team-PMEL		Lee and Jackie		Sher		Sambrotto (Didier)		Julie		Jared		Ted		Remarks												
No.	DESIRED	notes	SALT	Nut.Bt	O2Btl	CHL	Fr CHL	chlor	bw	O18	Phyloid	Urea	Prod	Part/DON	1SN	Isot/chl	Maria													
1	B.t		B7	163	175	LC5				✓		✓		✓																
2	30			164		LC4						✓		✓																
3	20			165		LC3																								
4	15			111						✓																				
5	15			1							✓	✓		✓																
6	10			166		LC2						✓		✓																
7	0			B8 167		LC1				✓																				
8																														
9																														
10																														
11																														
12																														

Station notes:

O<sub>2</sub> = 175



VESSEL		CRUISE ID		PROJECT & LEG		SHIP DESIGNATION (I.D.)		STATION NO.																							
USCGC Polar Sea		PS1001		BEST/BSIERP-ice 2010		PS1001 or 1 PS10		25																							
LATITUDE		LONGITUDE		TIME (GMT)		DRY BULB		WET BULB		PRESSURE		SEA STATE		VISIBILITY		WIND DIRN.		WIND SPD.		CLOUD(amt)		TYPE		WEATHER		BOTTOM DEPTH		STA. NAME/ID			
28 62 10.67 N		169 27.90 W		21 MAR 10		1520		16.4		18		*		*		115		15		*		*		*		42		MK11			
SBE 9+ 416		FLUOR S/N 088234		REMARKS		11508		MAX DEPTH = 34 m																							
PRESS SN 57473		SBE43-Oxy (prime) 501																													
PRI TEMP SN 2498		SBE43-Oxy (sec)																													
SEC TEMP SN 4353		Transmissometer																													
PRI COND SN 2361		PAR S/N 70112																													
SEC COND SN 2863		D2 Temp Sensor No.																													
Depth		Rosette		Hydro Team-PMEL		Lee and Jackie		Sterr		Sambrotto (Didier)		Julie		Jared		Ted		Remarks													
No	DESIRED	notes	SALT	Nut.Btl	O2Btl	CHL	Fr CHL	chlor	bw	O18	Phytoid	Urea	Prod	Part/DON	15N	Isot/chl	Maria														
1	bat		B11	174	107	LC5																									
2	30			175		LC4																									
3	20			176		LC3																									
4	15																														
5	10			177		LC2																									
6	0		B12	178		LC1																									
7																															
8																															
9																															
10																															
11																															
12																															

Station notes:

02 107  
2 174



VESSEL		CRUISE ID		PROJECT & LEG		Ship Designation (I.D.)		STATION NO.												
USCGC Polar Sea		PS1001		BEST/BSIERP-ice 2010		PS1001 or 1PS10		PS1001-026												
LATITUDE		LONGITUDE		TIME (GMT)		DRY BULB		WET BULB												
Deg	MIN	DEG	MIN	DAY	MO	YR	HR	MIN	(°C)											
029	25	17	06	21	MAR	10	21	24	-7.2											
FLUOR S/N		088234		PRESSURE		SEA STATE		VISIBILITY												
SBE 9+		416		18		*		*												
PRESS SN		57473		WIND DIRN.		WIND SPD.		CLOUD (amt)												
PRI TEMP SN		2498		340		052		5												
SEC TEMP SN		4353		(deg)		(kts)		TYPE												
PRI COND SN		2361		WEATHER		BOTTOM DEPTH		STA. NAME/ID												
SEC COND SN		2863		40		(m)		NEC2												
02 Temp Sensor No.		70112		MAX DEPTH =		m														
Alum 1062																				
No	Depth	Rosette	SALT	NutBtl	02Btl	CHL	Fr CHL	chlor	bw	018	Phyloid	Urea	Prod	Part/DON	15N	Jared	Ted	Maia	Remarks	Nis
1	30		B13	179		4C4		✓				✓		✓	57					1
2	20			180		LC3		✓				✓		✓	58					2
3	15		B14													✓				3
4	15																			4
5	10			185		LC2		✓				✓		✓	59					5
6	0			182		LC1		✓				✓		✓						6
7																				7
8																				8
9																				9
10																				10
11																				11
12																				12

Station notes:

B5 1810  
B6 182  
J 57



VESSEL USCGC Polar Sea		CRUISE ID PS1001		PROJECT & LEG BEST/BSIERP-ice 2010		Ship Designation (I.D.) PS1001 or 1PS10		STATION NO. PS1001-28	
LATITUDE		LONGITUDE		TIME (GMT)		DRY BULB		WET BULB	
Deg	MIN	Deg	MIN	DAY	MO	YR	(°C)	(°C)	(°C)
031	62.51	169	53.14	20	MAR	10	10.44		
SBE 9+ 416		FLUOR S/N 088234		REMARKS		PRESSURE		SEA STATE	
PRESS SN 57473		SBE43-Oxy (prime) 5.01		005/07 MAX DEPTH = 39 m		VISIBILITY		WIND DIRN.	
PRI TEMP SN 2498		SBE43-Oxy (sec)				WIND SPD.		CLOUD(amt)	
SEC TEMP SN 4353		Transmissometer				TYPE		WEATHER	
PRI COND SN 2361		PAR S/N 70112				DEPTH		STA. NAME/ID	
SEC COND SN 2863		02 Temp Sensor No.		Alt 1062					
No	Depth	Rosette	Hydro Team-PMEL	Lee and Jackie		Sher		Remarks	
	DESIRED	notes	SALT	Nut.Btl	O2Btl	CHL	Fr. CHL	chlor	bw
1	bat		73	187		LC5		✓	✓
2	30			188		LC4		✓	
3	20			189		LC3		✓	
4	15								
5	10			190		LC2		✓	
6	0			191		LC1		✓	
7									
8									
9									
10									
11									
12									

Station notes:

Julie 60

VESSEL USCGC Polar Sea		CRUISE ID PS1001		PROJECT & LEG BEST/BSIERP-ice 2010		Ship Designation (I.D.) PS1001 or 1PS10		STATION NO PS1001-029									
LATITUDE		LONGITUDE		TIME (GMT)		DRY BULB	WET BULB	PRESSURE	SEA STATE	VISIBILITY	WIND DIRN.	WIND SPD.	CLOUD(amt)	TYPE	WEATHER	BOTTOM DEPTH	STA. NAME/ID
Deg MIN		Deg MIN		DAY MO YR		HR MIN	(°C)	(°C)	(mb)	*	(deg)	(kts)	*	*	*	(m)	
032 62 38		87 N 172 18		80 W 22 MAR 10		1509			20		7	11				45	NEC1.2
REMARKS 001-06 MAX DEPTH = 37 m																	
SBE 9+ 4 1 6		FLUOR S/N 0 8 8 2 3 4															
PRESS SN 5 7 4 7 3		SBE43-Oxy (prime) 5 0 1															
PRI TEMP SN 2498		SBE43-Oxy (sec)															
SEC TEMP SN 4353		Transmissometer Cst436or															
PRI COND SN 2361		PAR S/N 70112															
SEC COND SN 2863		02 Temp Sensor No.															
Altim 1 0 6 2																	
No	Depth	Rosette	SALT	Nut.Brt	Hydro Temp-PMEL	Lee and Jackie	Sherr	Urea	Prod	Part/DON	Julie	Jared	Ted	Remarks			NIS
1	bot		A5	192	LC5	206											1
2	30			193	LC4												2
3	20			194	LC3												3
4	15																4
5	10				155	LC2											5
6	0		A6	196	LC1												6
7																	7
8																	8
9																	9
10																	10
11																	11
12																	12

Station notes:

$O_a = 204$

VESSEL		CRUISE ID		PROJECT & LEG		Ship Designation (I.D.)		STATION NO																											
USCGC Polar Sea		PS1001		BEST/BSIERP-ice 2010		PS1001 or 1PS10		PS1001-030																											
LATITUDE		LONGITUDE		TIME (GMT)		DRY BULB		WET BULB		PRESSURE		SEA STATE		VISIBILITY		WIND DIRN.		WIND SPD.		CLOUD(amt)		TYPE		WEATHER		BOTTOM DEPTH		STA. NAME/ID							
Deg MIN		Deg MIN		DAY MO YR		HR MIN		(°C)		(°C)		(mb)		*		(deg)		(kts)		*		*		(m)											
033 6236.35 N		7057.28 W		22 MAR 10		2032-7.7		7		22		1		1007										417		SICCA									
SSE 9+ 416		FLUOR S/N 088234		REMARKS		004/07		ms		MAX DEPTH = 37 m																									
PRESS SN 57473		SBE43-Oxy (pmm) 501																																	
PRI TEMP SN 2498		SBE43-Oxy (sec)																																	
SEC TEMP SN 4353		Transmissometer CST4360r																																	
PRI COND SN 2361		PAR S/N 70112																																	
SEC COND SN 2863		02 Temp Sensor No.																																	
Altim 1062																																			
Depth		Rosette		Hydro Team-PMEL		Lee and Jackie		Sherr		Sambrotto (Didier)		Julie		Jared		Ted		Remarks																	
No		notes		SALT		Nut.Bt		O2Bt		CHL		Fr CHL		chlor		bw		O18		Phyloid		Urea		Prod		Part/DON		15N		Isot/chl		Maria			
1		bot (36)				197				LC5				✓				✓				✓												his look	
2		30				198				LC4				✓																					
3		20				199				LC3				✓				✓																	
4		15																✓																	
5		10																																	
6		0												✓								✓													
7																																			
8																																			
9																																			
10																																			
11																																			
12																																			

Station notes:

Tu/ra 64

VESSEL		CRUISE ID		PROJECT & LEG		Ship Designation (I.D.)		STATION NO.																							
USCGC Polar Sea		PS1001		BEST/BSIERP-Ice 2010		PS1001 or 1PS10		PS1001-031																							
LATITUDE		LONGITUDE		TIME (GMT)		DRY BULB		WET BULB		PRESSURE		SEA STATE		VISIBILITY		WIND DIRN.		WIND SPD.		CLOUD(amt)		TYPE		WEATHER		BOTTOM DEPTH		STA. NAME/ID			
Deg MIN		Deg MIN		DAY MO YR		HR MIN		°C		°C		mb		*		(deg)		(kts)		*		*		*		(m)					
034 624 11.53 N		704 5.91 W		22 MAR 10		2347		8.1				21		-		008		073		5		47						SEC1.8			
SBE 9+ 416		FLUOR S/N 088234		REMARKS																											
PRESS SN 57473		SBE43-Oxy (prime) 501																													
PRI TEMP SN 2498		SBE43-Oxy (sec)																													
SEC TEMP SN 4353		Transmissometer																													
PRI COND SN 2361		PAR S/N 70112																													
SEC COND SN 2863		02 Temp Sensor No.																													
Depth		Rosette		Hydro Team-PMEL		Lee and Jackie		Sherr		Sambrotto (Didier)		Julie		Jared		Ted		Remarks													
No.	DESIRED	notes	SALT	Nut.Btl	02Btl	CHL	Fr CHL	chlor	bw	018	PhytoID	Urea	Prod	Part/DON	15N	sot/chl	Maina														
1	6	35		202		LC5		✓		✓																					
2	30			202		LC4		✓																							
3	20			204	058	LC3		✓		✓																					
4	15							✓																							
5	10					LC2		✓																							
6	0			206		LC1		✓		✓																					
7																															
8																															
9																															
10																															
11																															
12																															

Station notes:

02 058

020/07

MAX DEPTH = 35 m





VESSEL USCGC Polar Sea		CRUISE ID PS1001		PROJECT & LEG BEST/BSIERP-ice 2010		Ship Designation (I.D.) PS1001 or 1PS10		STATION NO. PS1001-033			
LATITUDE		LONGITUDE		TIME (GMT)		DRY BULB		WET BULB			
Deg	MIN	Deg	MIN	DAY	MO	YR	HR	MIN	(°C)		
0366253.27	N	17025.74	W	23	MAR	10	05	07	-8.2		
SBE 9+		FLUOR S/N		REMARKS		PRESSURE		SEA STATE			
4 1 6		0 8 8 2 3 4		030/06 MAX. DEPTH = 34 m 6 off		* *		VISIBILITY			
PRESS SN		SBE43-Oxy (prime)				WIND DIRN.		WIND SPD.		CLOUD(amt)	
5 7 4 7 3		5 0 1				(deg)		(kts)		TYPE	
PRI TEMP SN		SBE43-Oxy (sec)				WIND DIRN.		WIND SPD.		WEATHER	
2498		4353		Transmission		CS1436or		70112		BOTTOM DEPTH	
SEC TEMP SN		PAR S/N		D2 Temp Sensor No.		Al tim		1 0 6 2		STA. NAME/ID	
2361		2863		2863		2863		2863		5EC1.1	
SEC COND SN		2863		2863		2863		2863		2863	
Depth		Rosette		Hydro Team-PMEL		Lee and Jackie		Sheer		Remarks	
No.	DESIRED	notes	SALT	Nut.Bt	O2Bt	CHL	Fr CHL	chlor	bw	O18	Phytoid
1	36			212		LC5		✓			
2	30			213		LC4		✓			
3	20			214		LC3		✓			
4	15										
5	10			215	088	LC2		✓			
6	0			216		LC1		✓			
7											
8											
9											
10											
11											
12											

Station notes:

02

VESSEL		CRUISE ID		PROJECT & LEG		Ship Designation (I.D.)		STATION NO.	
USCGC Polar Sea		PS1001		BEST/BSERP-ice 2010		PS1001 or 1PS10		PS1001-034	
LATITUDE		LONGITUDE		TIME (GMT)		DRY BULB		WET BULB	
Deg	MIN	Deg	MIN	DAY	MO	YR	HR	MIN	(°C)
0376259.57	N	170116.06	W	23	MAR	10	07	47	-7.5
SBE 9+		FLUOR S/N		SBE43-Oxy (prime)		SBE43-Oxy (sec)		Transmissometer	
4 1 6		0 8 8 2 3 4		5 0 1		CST436or		70112	
PRESS SN		SBE43-Oxy (prime)		SBE43-Oxy (sec)		Transmissometer		PAR S/N	
5 7 4 7 3		SBE43-Oxy (prime)		SBE43-Oxy (sec)		Transmissometer		PAR S/N	
2498		SBE43-Oxy (prime)		SBE43-Oxy (sec)		Transmissometer		PAR S/N	
SEC TEMP SN		SEC TEMP SN		SEC TEMP SN		SEC TEMP SN		SEC TEMP SN	
4353		SEC TEMP SN		SEC TEMP SN		SEC TEMP SN		SEC TEMP SN	
2361		SEC TEMP SN		SEC TEMP SN		SEC TEMP SN		SEC TEMP SN	
SEC COND SN		SEC COND SN		SEC COND SN		SEC COND SN		SEC COND SN	
2863		SEC COND SN		SEC COND SN		SEC COND SN		SEC COND SN	
Depth		Rosette		Hydro Team-PMEL		Lee and Jackie		Sherr	
No.	DESIRED	notes	SALT	Nut.Bit	O2Btl	CHL	Fr CHL	chlor	bw
1	b			217		LC4		✓	
2	—			—		—		—	
3	20			218		LC3		✓	
4	15								
5	10			219		LC2		✓	
6	0			220		LC1		✓	
7									
8									
9									
10									
11									
12									
REMARKS		MAX DEPTH = 32 m		025/05		6 off		Not measurable	
SBE 9+		FLUOR S/N		SBE43-Oxy (prime)		SBE43-Oxy (sec)		Transmissometer	
4 1 6		0 8 8 2 3 4		5 0 1		CST436or		70112	
PRESS SN		SBE43-Oxy (prime)		SBE43-Oxy (sec)		Transmissometer		PAR S/N	
5 7 4 7 3		SBE43-Oxy (prime)		SBE43-Oxy (sec)		Transmissometer		PAR S/N	
2498		SBE43-Oxy (prime)		SBE43-Oxy (sec)		Transmissometer		PAR S/N	
SEC TEMP SN		SEC TEMP SN		SEC TEMP SN		SEC TEMP SN		SEC TEMP SN	
4353		SEC TEMP SN		SEC TEMP SN		SEC TEMP SN		SEC TEMP SN	
2361		SEC TEMP SN		SEC TEMP SN		SEC TEMP SN		SEC TEMP SN	
SEC COND SN		SEC COND SN		SEC COND SN		SEC COND SN		SEC COND SN	
2863		SEC COND SN		SEC COND SN		SEC COND SN		SEC COND SN	
Depth		Rosette		Hydro Team-PMEL		Lee and Jackie		Sherr	
No.	DESIRED	notes	SALT	Nut.Bit	O2Btl	CHL	Fr CHL	chlor	bw
1	b			217		LC4		✓	
2	—			—		—		—	
3	20			218		LC3		✓	
4	15								
5	10			219		LC2		✓	
6	0			220		LC1		✓	
7									
8									
9									
10									
11									
12									

Station notes:

Julie 72

VESSEL		CRUISE ID		PROJECT & LEG		Ship Designation (I.D.)		STATION NO.	
USCGC Polar Sea		PS1001		BEST/BSIERP-Ice 2010		PS1001 or 1PS10		151001-035	
LATITUDE		LONGITUDE		TIME (GMT)		DRY BULB		WET BULB	
Deg	MIN	Deg	MIN	DAY	MO	YR	HR	MIN	(°C)
38	62.56	70	55.71	23	MAR	10	12	41	-8.6
PRESS SN		FLUOR S/N		SBE43-Oxy (prime)		SBE43-Oxy (sec)		Transmission	
4 1 6		0 8 8 2 3 4		5 0 1		CS14360r		70112	
PRI TEMP SN		PAR S/N		02 Temp Sensor No.		REMARKS		MAX. DEPTH = 37 m	
SEC TEMP SN		2361		2863		050/06			
SEC COND SN		2863		Al tim 1 0 6 2					
Depth		Rosette		Hydro Team-PMEL		Lee and Jackie		Sherr	
No.	DESIRED	notes	SALT	Nut.Btl	O2Btl	CHL	Fr CHL	chlor	bw
1	bat		A9	221	231	LC5		✓	
2									
3	30			222		LC4		✓	
4	20			223		LC3		✓	
5	15							✓	
6	10			224		LC2		✓	
7	0			A10	225	LC1		✓	
8									
9									
10									
11									
12									

Station notes:

02231

0

VESSEL		CRUISE ID		PROJECT & LEG		Ship Designation (I.D.)		STATION NO.																					
USCGC Polar Sea		PS1001		BEST/BSIERP-Ice 2010		PS1001 or 1PS10		PS1001-036																					
LATITUDE		LONGITUDE		TIME (GMT)		DRY BULB		WET BULB		PRESSURE		SEA STATE		VISIBILITY		WIND DIRN.		WIND SPD.		CLOUD(amt)		TYPE		WEATHER		BOTTOM DEPTH		STA. NAME/ID	
Deg MIN		DEG MIN		DAY MO YR		(°C)		(°C)		(mb)		*		*		(deg)		(kts)		*		*		(m)					
039 62 51		171 01.81		23 MAR 10		1524-6.8				17						330		5						48		CDF1.4			
SBE 9+		4 1 6		FLUOR S/N		0 8 8 2 3 4																							
PRESS SN		5 7 4 7 3		SBE43-Oxy (prime)		5 0 1																							
PRI TEMP SN		2498		SBE43-Oxy (sec)																									
SEC TEMP SN		4353		Transmissometer		CST4360r																							
PRI COND SN		2361		PAR S/N		70112																							
SEC COND SN		2863		O2 Temp Sensor No.																									
Depth		Rosette		Hydro Team-PMEL		Lee and Jackie		Sherr		Sambrotto (Didier)		Julie		Jared		Ted		Remarks											
No.	DESIRED	notes	SALT	Nut.Bt	O2Bt	CHL	Fr CHL	chlor	bw	O18	Phycolid	Urea	Prod	Part/DON	15N	Isot/chl	Maria												
1	bat		A11	226		LC5		✓		✓					75														
2																													
3	20			228		LC3		✓							77														
4	25					LC3		✓																					
5	10			229		LC2		✓							78														
6	0			A12 230		LC1		✓							79														
7						LC1		✓																					
8																													
9																													
10																													
11																													
12																													

REMARKS No 30 mtrc baffle because #2 removed and not compensated for in Rosette firing order

290 02

MAX DEPTH = 40 m

Station notes:

VESSEL USCGC Polar Sea		CRUISE ID PS1001		PROJECT & LEG BEST/BSIERP-ice 2010		Ship Designation (I.D.) PS1001 or 1PS10		STATION NO. PS1001-037	
LATITUDE		LONGITUDE		TIME (GMT)		DRY BULB		WET BULB	
Deg	MIN	Deg	MIN	DAY	MO	YR	HR	MIN	(°C)
040	62.36	84	N	23	M	A	10	22	24
SBE 9+ 416		FLUOR S/N 088234		PRESS SN 57473		SBE43-Oxy (pHme) 5.01		SBE43-Oxy (sec) 2498	
SEC TEMP SN 4353		Transmissometer Cst436or		PAR COND SN 2361		PAR S/N 70112		O2 Temp Sensor No. 2863	
Depth		Rosette		Hydro Team-PMEL		Lee and Jackie		Sherr	
No.	DESIRED	notes	SALT	Nut.Brt	O2Brt	CHL	Fr CHL	chlor	bw
1	h		231	165	LC5				
2	h								
3	30		A13	232	LC4				
4	20		A14	233	LC3				
5	15								
6	15								
7	10		234		LC2				
8	0		235		LC1				
9									
10									
11									
12									

REMARKS

Altum 1062

330 02 7015

MAX DEPTH = 40 m

CD100D

STA. NAME/ID

Station notes:

02

2015

Submit 236 14415 core for

Pickup - See CTD 043

VESSEL		CRUISE ID		PROJECT & LEG		Ship Designation (I.D.)		STATION NO																																									
USCGC Polar Sea		PS1001		BEST/BSIERP-ice 2010		PS1001 or 1PS10		PS001001-038																																									
LATITUDE		LONGITUDE		TIME (GMT)		DRY BULB		WET BULB		PRESSURE		SEA STATE		VISIBILITY		WIND DIRN		WIND SPD		CLOUD(amt)		TYPE		WEATHER		BOTTOM DEPTH		STA. NAME/ID																					
041 6223.95 N		17241.15 W		24 MAR 10		1149		-10.7		98		*		*		347		10		*		*		61		Poppy																							
SBE 9+		FLUOR S/N		SBE 43-Oxy (prime)		SBE 43-Oxy (sec)		Transmissometer		PAR S/N		MAX DEPTH = 53 m																																					
PRESS SN		SBE 43-Oxy (prime)		SBE 43-Oxy (sec)		Transmissometer		PAR S/N																																									
PRI TEMP SN		SBE 43-Oxy (prime)		SBE 43-Oxy (sec)		Transmissometer		PAR S/N																																									
SEC TEMP SN		SBE 43-Oxy (prime)		SBE 43-Oxy (sec)		Transmissometer		PAR S/N																																									
PRI COND SN		SBE 43-Oxy (prime)		SBE 43-Oxy (sec)		Transmissometer		PAR S/N																																									
SEC COND SN		SBE 43-Oxy (prime)		SBE 43-Oxy (sec)		Transmissometer		PAR S/N																																									
O2 Temp Sensor No.		SBE 43-Oxy (prime)		SBE 43-Oxy (sec)		Transmissometer		PAR S/N																																									
DEPTH		Reset.		Hydro Team-PMEL		Lee and Jackie		O18		Sanbroto (Didier)		Julie		Iared		Ted		Remarks		No.		12		11		10		9		8		7		6		5		4		3		2		1					
DESIRED		notes		SALT		Nutr Bt		O2-Bt/No		CHL		Fr CHL		Urea		Prod		Part/DON		15N		Maria		No.		12		11		10		9		8		7		6		5		4		3		2		1	
1		6.5		A15		237														079																													
2		52				238				LC6																																							
3		40				239				LC5										060																													
4		30				240				LC4										061																													
5		20				241				LC3										062																													
6		15				242				LC2										063																													
7		10				243				LC1																																							
8		0																																															
9																																																	
10																																																	
11																																																	
12																																																	

Surface bottle did not close

015 08

Station notes:

Julie 079  
Nuts 237

St. depth 1080



VESSEL USCGC Polar Sea CRUISE ID PS1001 PROJECT & LEG BEST/BSIERP-4ce 2010 Ship Designation (I.D.) PS1001 or 1PS10 STATION NO. PS/001-039

LATITUDE		LONGITUDE		TIME (GMT)		DRY BULB	WET BULB	PRESSURE	SEA STATE	VISIBILITY	WIND DIRN.	WIND SPD.	CLOUD (amt)	TYPE	WEATHER	BOTTOM DEPTH	STA. NAME/ID			
54	26	21	3.52	N	1	73	46	.16	W	24	M	A	R	10	21	2-6.9	.95	5	66	Suchy

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

Productivity cast at 6:18 m 29002  
odd temp on downcast  
- 5m offset, not as much

MAX DEPTH = 600 m

No.	DEPTH	Desired	notes	SALT	Nut.Btl	O2-Btl.No	CHL.	Fr CHL.	Lee and Jackie	O18	Sambrutto (Didier)	Julie	Jared	Ted	Remarks	NIS
1	10	10		244												1
2	20	20		245												2
3	30	30		246												3
4	40	40		247												4
5	50	50		248												5
6	60	60		249												6
7	70	70		250												7
8	80	80		251												8
9	90	90		252												9
10	100	100		253												10
11	110	110		254												11
12	120	120		255												12

Station notes:



VESSEL USCGC Polar Sea		CRUISE ID PS1001		PROJECT & LEG BEST/BSERP-Ice 2010		Ship Designation (I.D.) PS1001 or 1PS10		STATION NO. PSA1001-039																															
LATITUDE		LONGITUDE		TIME (GMT)		DRY BULB		WET BULB		PRESSURE		SEA STATE		VISIBILITY		WIND DIRN.		WIND SPD.		CLOUD (amt)		TYPE		WEATHER		BOTTOM DEPTH		STA. NAME/ID											
0436213.44 N		17346.58 W		24 MAR 10		2241-16.7				951		27002						3.0 kts								66		SWC4											
DEG		MIN		DEG		MIN		DAY		MO		YR		HR		MIN		(°C)		(°C)		(mb)		*		(deg)		(kts)		*		(m)							
SBE 9+		FLUOR S/N		SBE43-Oxy (prime)		SBE43-Oxy (sec)		Transmissometer		PAR S/N		02 Temp Sensor No.																											
PRESS SN		PRI TEMP SN		SEC TEMP SN		PRI COND SN		SEC COND SN																															
No.		DESIRED		notes		SALT		Nutr Btl		O2-Btl/No		CHL		Fr CHL		Lee and Jackie		018		Sambrotto (Didier)		Urea		Prod		Part/DON		Julie		Jared		Ted		Maria		Remarks		Nis	
1		b		55				249		155		LC6				✓		✓																				1	
2		40						250				LC5				✓																				2			
3		30						251				LC4				✓																				3			
4		20						252				LC3				✓																				4			
5		15														✓																				5			
6		15																																		6			
7		10						253				LC2				✓																				7			
8		0						254				LC1				✓																				8			
9																																				9			
10																																				10			
11																																				11			
12																																				12			

Station notes:

20415 Reg. cast  
 02 155  
 at 0400  
 1 Mar 25  
 Nuts 236 used for 11415 use at this station  
 about 2 hours

Regular cast  
 270 02  
 50ft

VESSEL		CRUISE ID		PROJECT & LEG		Ship Designation (I.D.)		STATION NO.																							
USCGC Polar Sea		PS1001		BEST/BSIERP-Ice 2010		PS1001 or 1PS10		PS1001-240																							
LATITUDE		LONGITUDE		TIME (GMT)		DRY BULB		WET BULB		PRESSURE		SEA STATE		VISIBILITY		WIND DIRN.		WIND SPD.		CLOUD(amt)		TYPE		WEATHER		BOTTOM DEPTH		STA. NAME/ID			
0446225.10 N		17324.67 W		25 MAR 10 1429		-14.1				03		*		*		26		13		*		*				45		SWCH2			
SBE 9+		4 1 6		FLUOR S/N		0 8 8 2 3 4																									
PRESS SN		5 7 4 7 3		SBE43-Oxy (prime)		5 0 1																									
PRI TEMP SN		2498		SBE43-Oxy (sec)																											
SEC TEMP SN		4353		Transmissometer		CST436or																									
PRI COND SN		2361		PAR S/N		70112																									
SEC COND SN		2863		D2 Temp Sensor No.																											
DPTH		Roset.		Hydro Team-PMEL		Lee and Jackie		Sherr		Sambrotto (Didier)		Julie		Jared		Ted															
No. DESIRED		notes		SALT		Nutrit		O2Btl		CHL		Ftr CHL		chlor		bw		O18		Phytoid		Urea		Prod		Part/DON		15N		Remarks	
1 bat				17A		255																									
2 50						256				LC6				✓																	
3 40						257				LC5				✓																	
4 30						258				LC4				✓																	
5 20						259				LC3				✓																	
6 15																															
7 10						260				LC2				✓																	
8 0						18A 261				LC1				✓																	
9																															
10																															
11																															
12																															

Station notes:

Julie 084

2606

MAX. DEPTH = 57 m

VESSEL		CRUISE ID		PROJECT & LEG		Ship Designation (I.D.)		STATION NO.	
USCGC Polar Sea		PS1001		BEST/BSIERP-ice 2010		PS1001 or 1PS10		PS1001-041	
LATITUDE		LONGITUDE		TIME (GMT)		DRY BULB		WET BULB	
DEG	MIN	DEG	MIN	DAY	MO	YR	HR	MIN	(°C)
045	62.4	173	52	22	W	26	M	A	R
4	07	N		1	0	0	1	0	3
								-7.0	
								07-224028	
								79	
SBE 9+		FLUOR S/N		REMARKS		MAX. DEPTH =		66 m	
4 1 6		0 8 8 2 3 4				25002			
PRESS SN		SBE43-Oxy (prime)							
5 7 4 7 3		5 0 1							
PRI TEMP SN		SBE43-Oxy (sec)							
2498									
SEC TEMP SN		Transmissometer							
4353		CST4360r							
PRI COND SN		PAR S/N							
2361		Z0112							
SEC COND SN		02 Temp Sensor No.							
2863									
DEPTH		Roset.		Hydro Team-PMEL		Lee and Jackie		Sherr	
DESIRIED		notes		SALT		Nut.Btl		O2Btl	
CHL		Fr. CHL		chlor		bw		018	
PhytoID		Urea		Prod		Part/DON		1 SN	
Jared		Ted		Remarks					
No.		No.		No.		No.		No.	
1	hot		062						
2	607								
3	50		263		✓				
4	40		264		✓				
5	30		265		✓				
6	20		419		✓				
7	15								
8	15								
9	10		267		✓				
10	0		268		✓				
11									
12									

Station notes:

02 205

J 2015

VESSEL		CRUISE ID		PROJECT & LEG		Ship Designation (I.D.)		STATION NO.																											
USCGC Polar Sea		PS1001		BEST/BSERP-ice 2010		PS1001 or 1PS10		042																											
LATITUDE		LONGITUDE		TIME (GMT)		DRY BULB		WET BULB		PRESSURE		SEA STATE		VISIBILITY		WIND DIRN.		WIND SPD.		CLOUD(amt)		TYPE		WEATHER		BOTTOM DEPTH		STA. NAME/ID							
Deg MIN		Deg MIN		DAY MO YR		HR MIN		°C		°C		(mb)		*		*		(deg)		(kts)		*		*		(m)									
04 66 25.3		174 30.9		26 MAR 10		10 30		-9.7				69						56 20								77?		DLN03							
SBE 9+ 416		FLUOR S/N 088234		REMARKS		54 10		MAX DEPTH = 71 m																											
PRESS SN 57473		SBE 43-Oxy (prime) 501																																	
PRI TEMP SN 2498		SBE 43-Oxy (sec)																																	
SEC TEMP SN 4353		Transmissometer																																	
PRI COND SN 2361		PAR S/N 70112																																	
SEC COND SN 2863		O2 Temp Sensor No.																																	
Altum 1062																																			
Depth		Rosette		Hydro Team-PMEL		Lee and Jackie		Sherr		Sambrotto (Dider)		Julie		Jared		Ted		Remarks																	
No. DESIRED		notes		SALT		NutBrt		O2Brt		CHL		Fr CHL		chlor		bw		O18		PhycoID		Urea		Prod		Part/DON		15N		Isot/chl		Maria		No.	
1 bot		A21		269																															
2 50				270		LC6																													
3 40				271		LC5																													
4 30				272		LC4																													
5 20				273		LC3																													
6 15				2																															
7 10				274		LC2																													
8 0		A22		275		LC1																													
9																																			
10																																			
11																																			
12																																			

Station notes:

Julie 89

00

VESSEL		CRUISE ID		PROJECT & LEG		Ship Designation (I.D.)		STATION NO.	
USCGC Polar Sea		PS1001		BEST/BSERP-ice 2010		PS1001 or 1PS10		PS1001-043	
LATITUDE		LONGITUDE		TIME (GMT)		DRY BULB		WET BULB	
DEG	MIN	DEG	MIN	DAY	MO	YR	HR	MIN	(°C)
0476315.84	N	17344.06	W	27	MAR	10	00	19	-7.4
PRESS SN		FLUOR S/N		REMARKS		PRESSURE		SEA STATE	
5 7 4 7 3		0 8 8 2 3 4		See / cat-shots 3m		(mb)		VISIBILITY	
2498		SBE43-Oxy (prime)		See use upcast 1 above 10m		* *		WIND DIRN.	
4353		SBE43-Oxy (sec)				* *		WIND SPD.	
2361		Transmissometer				* *		CLOUD(amt)	
2863		PAR S/N				* *		TYPE	
02 Trip Sensor No.		70112				* *		WEATHER	
Al tim 1 0 6 2		MAX DEPTH = 66 m				* *		BOTTOM DEPTH	
DEPTH		Roset.		Hydro Team-PMEL		Lee and Jackie		Sherr	
No.	DESIDED	notes	SALT	Nut.Bt	O2Bt	CHL	Fr-CHL	chlor	bw
1	66		A23	276	172				✓
2	50			277		LC6			✓
3	40			278		LC5			✓
4	30			279		LC4			✓
5	20			280		LC3			✓
6	15								✓
7	15		A34						✓
8	10			281		LC2			✓
9	0			282		LC1			✓
10									
11									
12									

Station notes:

$O_2 = 172$  N 283 to Archer for 1495 core

DNA

VESSEL		CRUISE ID		PROJECT & LEG		Ship Designation (I.D.)		STATION NO.	
USCGC Polar Sea		PS1001		BEST/BSERP-ice 2010		PS1001 or 1PS10		PS1001-044	
LATITUDE		LONGITUDE		TIME (GMT)		DRY BULB		WET BULB	
048 23 7.94 N		172 15.93 W		27 MAR 10		-14.5		91	
DEG MIN		DEG MIN		DAY MO YR		HR MIN		PRESSURE	
4 1 6		0 8 8		2 3 4		23 59		91	
SBE 9+		FLUOR S/N		0 8 8		2 3 4		SEA STATE	
PRESS SN		SBE43-Oxy (prime)		5 0 1		VISIBILITY		WIND DIRN.	
PRI TEMP SN		SBE43-Oxy (sec)		5 0 1		WIND SPD.		WIND SPD.	
SEC TEMP SN		Transmissometer		CST4360r		CLOUD(amt)		WEATHER	
PRI COND SN		PAR S/N		70112		TYPE		BOTTOM	
SEC COND SN		02 Temp Sensor No.		70112		WEATHER		STA. NAME/ID	
2863		2863		70112		MAX DEPTH = 43 m		COB 14	
DEPTH		Roset.		Hydro Team-PMEL		Lee and Jackie		Sherr	
DESIRIED		notes		SALT		Nut:Btl		O2Btl	
1 10		31		284		LC5		LC5	
2 30		285		LC4		LC4		LC4	
3 20		286		LC3		LC3		LC3	
4 15		32		287		LC2		LC2	
5 10		288		LC1		LC1		LC1	
6 0		289		LC0		LC0		LC0	
7		290		LC0		LC0		LC0	
8		291		LC0		LC0		LC0	
9		292		LC0		LC0		LC0	
10		293		LC0		LC0		LC0	
11		294		LC0		LC0		LC0	
12		295		LC0		LC0		LC0	

Station notes:

Julie 94

REMARKS  
 Nicole says weather  
 not use is better day mail for COB 14  
 setup - may need to correct



VESSEL		CRUISE ID		PROJECT & LEG		Ship Designation (I.D.)		STATION NO.	
USCGC Polar Sea		PS1001		BEST/BSIERP-Ice 2010		PS1001 or 1PS10		45	

  

LATITUDE		LONGITUDE		TIME (GMT)		DRY BULB		WET BULB		PRESSURE		SEA STATE		VISIBILITY		WIND DIRN.		WIND SPD.		CLOUD(amt)		TYPE		WEATHER		BOTTOM DEPTH		STA. NAME/ID	
DEG	MIN	DEG	MIN	DAY	MO	YR	HR	MIN	(°C)	(°C)	(mb)	*	*	(deg)	(kts)	*	*	*	*	*	*	*	*	*	(m)				
49	62	43	20	N	17	150	30	W	28	M	A	R	1	0	06	08									89	280	48	50	C08 I.5

  

SBE 9+		FLUOR S/N		REMARKS		MAX. DEPTH =	
4	1 6	0 8 8 2 3 4		280 0		43 m	
PRESS SN		SBE43-Oxy (prime)		010 17		+7	
2498		5 0 1					
PRI TEMP SN		SBE43-Oxy (sec)					
4353		CST4360r					
SEC TEMP SN		Transmissometer					
2361		70112					
PRI COND SN		PAR S/N					
2863		02 Temp Sensor No.					

  

DEPTH		Roset.		Hydro Team-PMEL		Lee and Jackie		Sherr		Sambrotto (Didier)		Julie		Jared		Ted		Remarks		NIS	
No.	DESIRIED	notes	SALT	Nut.Btl	O2Btl	CHL	Fr CHL	chlor	bw	O18	Phyroid	Urea	Prod	Part/DON	1SN	Isot/chl	Maria			No.	
1	48			289		LC5													Chl, partly band	1	
2	30			290	243	LC4													18	2	
3	20			291		LC3														3	
4	15																			4	
5	10			292		LC2														5	
6	0			293		LC1														6	
7																				7	
8																				8	
9																				9	
10																				10	
11																				11	
12																				12	

Station notes:

02 243



VESSEL		CRUISE ID		PROJECT & LEG		Ship Designation (I.D.)		STATION NO.																							
USCGC Polar Sea		PS1001		BEST/BSERP-Ice 2010		PS1001 or 1PS10		PS1001 046																							
LATITUDE		LONGITUDE		TIME (GMT)		DRY BULB		WET BULB		PRESSURE		SEA STATE		VISIBILITY		WIND DIRN.		WIND SPD.		CLOUD(amt)		TYPE		WEATHER		BOTTOM DEPTH		STA. NAME/ID			
DEG MIN		DEG MIN		DAY MO YR		HR MIN		(°C)		(°C)		(mb)		*		(deg)		(kts)		*		*		*		(m)					
0 50 54.45 N		1 72 16.58 W		28 MAR 10		2 37						88				320		8								52 m		Succ 2			
SBE 9+		4 1 6		FLUOR S/N		0 8 8 2 3 4																									
PRESS SN		5 7 4 7 3		SBE43-Oxy (prime)		5 0 1																									
PRI TEMP SN		2498		SBE43-Oxy (sec)																											
SEC TEMP SN		4353		Transmissometer		CST436or																									
PRI COND SN		2361		PAR S/N		70112																									
SEC COND SN		2863		O2 Temp Sensor No.																											
DPTH		Roset.		Hydro Team/PMEL		Lee and Jackie		Sher		Sanbroto (Dicier)		Julie		Jared		Ted															
DESRED		notes		SALT		Nut/Bt		O2Bt		CHL		Fr CHL		chlor		bw		O18		Phyoid		Urea		Prod		Part/DON		15N			
1 bot				B3 294																											
2 SD																															
3 40																															
4 30																															
5 20																															
6 15																															
7 10																															
8 0				B4																											
9																															
10																															
11																															
12																															

Station notes: Julie 98

get wind from around

VESSEL USCGC Polar Sea		CRUISE ID PS1001		PROJECT & LEG BEST/BSIERP-Ice 2010		Ship Designation (I.D.) PS1001 or 1PS10		STATION NO. PS1001-0172																																	
LATITUDE 051 63 7.86 N		LONGITUDE 173 07.33 W		TIME (GMT) 28 MAR 10		-21.1 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 MBCJ													
SBE 9+ PRESS SN PRI TEMP SN SEC TEMP SN PRI COND SN SEC COND SN		4 1 6 5 7 4 7 3 2498 4353 2361 2863		FLUOR S/N SBE43-Oxy (prime) SBE43-Oxy (sec) Transmissometer PAR S/N		0 8 8 2 3 4 5 0 1 CST436or 70112		REMARKS 341509 7 of 7		MAX DEPTH = 40 m																															
No.		DEPTH		Roset.		Hydro Team-PMEL		Lee and Jackie		Sherr		Sambrotto (Didier)		Julie		Jared		Ted		Maria		Remarks		NIS																	
No.		DESIRED		notes		SALT		Nut:Btl		O2Btl		CHL		Fr CHL		chlor		bw		O18		Phyroid		Urea		Prod		Part/DON		15N		Isot/chl		Ted		Maria		Remarks		NIS	
1		bot						301										✓		✓				✓														1			
2		SD						302				LC6																										2			
3		40						303				LC5				✓								✓														3			
4		30						304		173		LC4				✓				✓																		4			
5		20						305				LC3				✓								✓		✓		✓										5			
6		15																																				6			
7		15						306				LC2				✓								✓														7			
8		10						307				LC1				✓								✓		✓												8			
9		0						307				LC1				✓				✓				✓		✓												9			
10																																						10			
11																																						11			
12																																						12			

Station notes:

O2 = 173

VESSEL USCGC Polar Sea		CRUISE ID PS1001		PROJECT & LEG BEST/BSIERP-ice 2010		SHIP Designation (I.D.) PS1001 or 1PS10		STATION NO. 1251001-048																															
LATITUDE		LONGITUDE		TIME (GMT)		DRY BULB		WET BULB		PRESSURE		SEA STATE		VISIBILITY		WIND DIRN.		WIND SPD.		CLOUD(amt)		TYPE		WEATHER		BOTTOM DEPTH		STA. NAME/ID											
052 26 55.14 N		170 56.76 W		29 MAR 10		1915		-19.6		96		*		*		1515		47										GOLF											
DEG MIN		DEG MIN		DAY MO YR		HR MIN		(°C)		(°C)		(mb)		*		(deg)		(kts)		*		*		*		(m)													
SBE 9+		4 1 6		FLUOR S/N		0 8 8 2 3 4																																	
PRESS SN		5 7 4 7 3		SBE43-Oxy (prime)		5 0 1																																	
PRI TEMP SN		2498		SBE43-Oxy (sec)																																			
SEC TEMP SN		4353		Transmissometer		CS14360r																																	
PRI COND SN		2361		PAR S/N		70112																																	
SEC COND SN		2863		O2 Temp Sensor No.																																			
DEPTH		Reset.		Hydro Team-PMEL		Lee and Jackie		Sherr		Sambrotto (Didier)		Julie		Jared		Ted																							
No.		DESIRED		notes		SALT		Nut:Btl		O2Btl		CHL		Fr CHL		chlor		bw		018		Phy:OID		Urea		Prd		Part/DON		1SN		Isot/chl		Maria		Remarks		Nis	
1		bdf				B5		308				LC5																								1			
2		30						309				LC4																						2					
3		20						310				LC3																						3					
4		10						311				LC2																						4					
5		0				B6		312				LC1																						5					
6																																		6					
7																																		7					
8																																		8					
9																																		9					
10																																		10					
11																																		11					
12																																		12					

Station notes:

Julie 103

gdd

REMARKS 33009 MAX DEPTH = 39 m

VESSEL USCGC Polar Sea		CRUISE ID PS1001		PROJECT & LEG BEST/BSIERP-Ice 2010		Ship Designation (I.D.) PS1001 or 1PS10		STATION NO PS1001-049	
LATITUDE 53° 62' 11.94" N		LONGITUDE 174° 45.09' W		TIME (GMT) 23 21		-18.1 DRY BULB (°C)		WET BULB (°C)	
DEG MIN		DEG MIN		DAY MO YR		HR MIN		PRESSURE (mb)	
53 62 11		174 45 09		30 MAR 10		23 21		02	
SSE 9+		FLUOR S/N		0 8 8 2 3 4		SEA STATE		VISIBILITY	
PRESS SN		SSE43-Oxy (prime)		5 0 1		WIND DIRN. (deg)		WIND SPD. (kts)	
PRI TEMP SN		SSE43-Oxy (sec)				47		62	
SEC TEMP SN		Transmissometer		CST436or		CLOUD(amt)		TYPE	
PRI COND SN		PAR S/N		70112		WEATHER		BOTTOM DEPTH (m)	
SEC COND SN		02 Temp Sensor No.						75	
2863									
DEPTH		Roset.		Hydro Team-PMEL		Lee and Jackie		Sheri	
DESIRED		notes		SALT		Nut/Bt		O2Bt	
1		743		313		LC6		LC3	
2		50		314		LC5		LC4	
3		40		315		LC4		LC3	
4		30		316		LC4		LC3	
5		20		317		LC4		LC3	
6		10		318		LC4		LC3	
7		0		319		LC4		LC3	
8									
9									
10									
11									
12									

Station notes:

02 235

44 05

7 off

MAX DEPTH = 66 m

VESSEL		CRUISE ID		PROJECT & LEG		Ship Designation (I.D.)		STATION NO.	
USCGC Polar Sea		PS1001		BEST/BSIERP-tce 2010		PS1001 or 1PS10		PS1001-050	
LATITUDE		LONGITUDE		TIME (GMT)		-16.3		70M56	
DEG	MIN	DEG	MIN	DAY	MO	YR	HR	MIN	SEC
54	15	74	22	31	MAR	10	05	03	
SBE 9+ 4 1 6		FLUOR S/N 0 8 8 2 3 4		REMARKS		5 stepped 70M57		MAX DEPTH = 66 m	
PRESS SN 5 7 4 7 3		SBE43-Oxy (prime) 5 0 1		W. check time / check depth about 55 etc once		66 09		70M	
PRI TEMP SN 2498		SBE43-Oxy (sec)		W. know when we can cross 60M					
SEC TEMP SN 4353		Transmissometer Cst436or							
PRI COND SN 2361		PAR S/N 70112							
SEC COND SN 2863		D2 Temp Sensor No.							
DEPTH		Roset.		Hydro Team-PMEL		Lee and Jackie		Sherr	
No.	DESIRED	notes	SALT	Nut.Bt	O2Bt	CHL	Fr-CHL	chlor	bw
1	bot	66		320					
2	50			321		LC6			
3	40			322		LC5			
4	30		B4	323	198	LC4			
5	20		B10	324		LC3			
6	10			325		LC2			
7	0			326		LC1			
8									
9									
10									
11									
12									

Station notes:

02 198  
J 112



VESSEL		CRUISE ID		PROJECT & LEG		Ship Designation (I.D.)		STATION NO.																					
USCGC Polar Sea		PS1001		BEST/BSIERP-Ice 2010		PS1001 or 1PS10		PS1001-051																					
LATITUDE		LONGITUDE		TIME (GMT)		DRY BULB		WET BULB		PRESSURE		SEA STATE		VISIBILITY		WIND DIRN.		WIND SPD.		CLOUD(amt)		TYPE		WEATHER		BOTTOM DEPTH		STA. NAME/ID	
55° 61' 51.59" N		174° 6.14' W		31 MAR 10		06:44:22		-15.4		96		1		53		7		77										70m55	
SBE 9+		FLUOR S/N		0 8 8 2 3 4		REMARKS																							
PRESS SN		SBE43-Oxy (prime)		5 7 4 7 3																									
PRI TEMP SN		SBE43-Oxy (sec)		2498																									
SEC TEMP SN		Transmissometer		4353																									
PRI COND SN		PAR S/N		2361																									
SEC COND SN		O2 Temp Sensor No.		2863																									
DEPTH		Roset.		Hydro Team-PMEL		Lee and Jackie		Shear		Sambrotto (Dider)		Julie		Jared		Ted		Maria		Remarks		Nis							
No.	DESIRED	notes	SALT	Nut/Bt	O2/Bt	CHL	Fr CHL	chlor	bw	O18	Phyloid	Urea	Prod	Part/DON	1SN	Isot/chl													
1	bot	65		327																									
2	50			328		LC6																							
3	40			329		LC5																							
4	30			330		LC4																							
5	20			331		LC3																							
6	10			332		LC2																							
7	0			333		LC1																							
8																													
9																													
10																													
11																													
12																													

Station notes:

85 11 + 6

75

MAX. DEPTH = 65 m

N327

NO JULIA, 2003





VESSEL		CRUISE ID		PROJECT & LEG		Ship Designation (I.D.)		STATION NO.																															
USCGC Polar Sea		PS1001		BEST/BSIERP-Ice 2010		PS1001 or 1PS10		PS1001-053																															
LATITUDE		LONGITUDE		TIME (GMT)		DRY BULB		WET BULB		PRESSURE		SEA STATE		VISIBILITY		WIND DIRN.		WIND SPD.		CLOUD(amt)		TYPE		WEATHER		BOTTOM DEPTH		STA. NAME/ID											
057 61 25.17 N		173 43.14 W		14 MAR 10		4 43		-15.8		94		*		*		(deg)		(kts)		*		*		*		80		70M/52											
DEG MIN		DEG MIN		DAY MO YR		HR MIN		(°C)		(°C)		(mb)		*		*		(deg)		(kts)		*		*		(m)													
SBE 9+		4 1 6		FLUOR S/N		0 8 8 2 3 4																																	
PRESS SN		5 7 4 7 3		SBE43-Oxy (prime)		5 0 1																																	
PRI TEMP SN		2498		SBE43-Oxy (sec)																																			
SEC TEMP SN		4353		Transmissometer		CST436or																																	
PRI COND SN		2361		PAR S/N		70112																																	
SEC COND SN		2863		02 Temp Sensor No.																																			
DEPTH		Roset.		Hydro Team/PMEL		Lee and Jackie		Sherr		Sambrotto (Didier)		Julie		Jared		Ted																							
No		DESIRED		notes		SALT		Nut/Bt		O2Bt		CHL		Fr CHL		chlor		bw		O18		Phyloid		Urea		Prod		Part/DON		15N		isot/chl		Maria		Remarks		Nis	
1		bat				B13		341		120																										1			
2		50						342				LC6																						2					
3		40						343				LC5																						3					
4		30						344				LC4																						4					
5		20						345				LC3																						5					
6		10						346				LC2																						6					
7		0				B4		347		120		LC1																						7					
8																																		8					
9																																		9					
10																																		10					
11																																		11					
12																																		12					

Station notes:

O<sub>2</sub> = 120  
Julie = 122

800/03

MAX. DEPTH = 70 m

VESSEL		CRUISE ID		PROJECT & LEG		SHIP DESIGNATION (I.D.)		STATION NO.																													
USCGC Polar Sea		PS1001		BEST/BSIERP-ice 2010		PS1001 or 1PS10		PS1001-054																													
LATITUDE		LONGITUDE		TIME (GMT)		DRY BULB		WET BULB		PRESSURE		SEA STATE		VISIBILITY		WIND DIRN.		WIND SPD.		CLOUD(amt)		TYPE		WEATHER		BOTTOM DEPTH		STA. NAME/ID									
0586109.447 N		173510.63 W		31 MAR 10		1917		-15.2		95		007		8		83		70m50																			
DEG MIN		DEG MIN		DAY MO YR		HR MIN		(°C)		(°C)		(mb)		*		(deg)		(kts)		+		+		+		(m)											
SBE 9+		FLUOR S/N		0 8 8 2 3 4		REMARKS																															
PRESS SN		SBE43-Oxy (prime)		5 7 4 7 3																																	
PRI TEMP SN		SBE43-Oxy (sec)		2498																																	
SEC TEMP SN		Transmissometer		4353																																	
PRI COND SN		PAR S/N		2361																																	
SEC COND SN		PAR S/N		2863																																	
DEPT		Roset.		Hydro Team-PMEL		Lee and Jackie		Sherr		Sambrotto (Didier)		Julie		Iared		Ted		Remarks																			
No		DESIRED		notes		SALT		Nut.Btl		O2Btl		CHL		Fr CHL		chlor		bw		O18		Phyroid		Urea		Prod		Part/DON		1SN		Isot/chl		Maria		No.	
1		bot				1315		348				LC6												✓												1	
2		50						349				LC6												✓												2	
3		40						350				LC5												✓												3	
4		30						351				LC4												✓												4	
5		20						352				LC3																								5	
6		10						353				LC2																								6	
7		0						B16		354		187		LC1										✓												7	
8																																				8	
9																																				9	
10																																				10	
11																																				11	
12																																				12	

Station notes:

O<sub>2</sub> = 187  
Value = 126

020/05

MAX DEPTH = 73 m

VESSEL USCGC Polar Sea		CRUISE ID PS1001		PROJECT & LEG BEST/BSIERP-ice 2010		Ship Designation (I.D.) PS1001 or 1PS10		STATION NO. PS1001-055	
LATITUDE		LONGITUDE		TIME (GMT)		DRY BULB		WET BULB	
059 60 44.93 N		173 40.12 W		1 APR 10 0146		-13.8		13.2	
DEG MIN		DEG MIN		DAY MO YR		HR MIN		PRESSURE	
59 44 93		173 40 12		1 APR 10		01 46		960	
SEC 9+		FLUOR S/N		0 8 8 2 3 4		SEA STATE		VISIBILITY	
PRESS SN		SBE43-Oxy (prime)		5 0 1		WIND DIRN.		WIND SPD.	
PRI TEMP SN		SBE43-Oxy (sec)				68 11 7		25	
SEC TEMP SN		Transmissometer		CST436or		CLOUD(amt)		TYPE	
PRI COND SN		PAR S/N		70112		WEATHER		BOTTOM DEPTH	
SEC COND SN		O2 Temp Sensor No.		Al tim 1 0 6 2		MAX. DEPTH = 64 m		STA. NAME/ID	
2863								70M 48	
DEPTH		Roset.		Hydro Team-PHEL		Lee and Jackie		Sherr	
DESIRED		notes		SALT		Nut.Btl		O2Btl	
1 6		64		355		356		169	
2 50				355		356		169	
3 40				357		357		165	
4 30				358		358		164	
5 20				359		359		163	
6 10				360		360		162	
7 0				361		361		161	
8									
9									
10									
11									
12									
No.		No.		No.		No.		No.	
1		2		3		4		5	
2		3		4		5		6	
3		4		5		6		7	
4		5		6		7		8	
5		6		7		8		9	
6		7		8		9		10	
7		8		9		10		11	
8		9		10		11		12	
9		10		11		12			
10		11		12					
11		12							
12									

Station notes:

$D_2 = 169$   
Julia = 131

VESSEL		CRUISE ID		PROJECT & LEG		Ship Designation (I.D.)		STATION NO.																						
USCGC Polar Sea		PS1001		BEST/BSIERP-Ice 2010		PS1001 or 1PS10		151021-056																						
LATITUDE		LONGITUDE		TIME (GMT)		DRY BULB		WET BULB		PRESSURE		SEA STATE		VISIBILITY		WIND DIRN.		WIND SPD.		CLOUD(amt)		TYPE		WEATHER		BOTTOM DEPTH		STA. NAME/ID		
Deg MIN		Deg MIN		DAY MO YR		HR MIN		°C		°C		mb		*		* (deg)		* (kts)		* *		* *		* *		(m)		70M47		
606034.23 N		17338.01 W		01 APR 10		0720												97												
SBE 9+ 416		FLUOR S/N 088234		REMARKS		m/s		MAX DEPTH = 40 m																						
PRESS SN 57473		SBE43-Oxy (prime) 5.01																												
PRI TEMP SN 2498		SBE43-Oxy (sec)																												
SEC TEMP SN 4353		Transmissometer																												
PRI COND SN 2361		PAR S/N																												
SEC COND SN 2863		02 Temp Sensor No.																												
Depth		Rosette		Hydro Team-PMEL		Lee and Jackie		Sherr		Sanbroto (Didier)		Julie		Jared		Ted		Remarks												
No.	DESIRED	notes	SALT	NutBt	O2Bt	CHL	Fr-CHL	chlor	bw	018	PhytoID	Urea	Prod	Part/DON	15N	Isot/chl	Maria													
1	6	62		362	080							V		V																
2	30			363		LC6																								
3	40			364		LC5						V		V																
4	30			365		LC4																								
5	20			366		LC3																								
6	10			367		LC2																								
7	0			368		LC1						V		V																
8																														
9																														
10																														
11																														
12																														

Station notes:

02 080  
NO 3000

3

VESSEL		CRUISE ID		PROJECT & LEG		Ship Designation (I.D.)		STATION NO.																					
USCGC Polar Sea		PS1001		BEST/BSIERP-ice 2010		PS1001 or 1PS10		PS1001-057																					
LATITUDE		LONGITUDE		TIME (GMT)		DRY BULB		WET BULB		PRESSURE		SEA STATE		VISIBILITY		WIND DIRN.		WIND SPD.		CLOUD(amt)		TYPE		WEATHER		BOTTOM DEPTH		STA. NAME/ID	
Deg MIN		Deg MIN		DAY MO YR		(C)		(C)		(mb)		*		*		(deg)		(kts)		*		*		(m)					
0 61 60 25.70 N		1 73 35.56 W		APR 1 0		09 38		-11.2		97		46		5		70										70m46			
SBE 9+ 416		FLUOR S/N 088234		REMARKS																						MAX DEPTH = 60 m			
PRESS SN 57473		SBE43-Oxy (prime) 501																											
PRI TEMP SN 2498		SBE43-Oxy (sec)																											
SEC TEMP SN 4353		Transmissometer																											
PRI COND SN 2361		PAR S/N 70112																											
SEC COND SN 2863		I2 Temp Sensor No.																											
Depth		Rosette		Hydro Team-PMEL		Lee and Jackie		Shear		Sambrotto (Didier)		Julie		Jared		Ted		Remarks											
No.	DESIRED	notes	SALT	NutBtl	O2Btl	CHL	Fr CHL	chlor	bw	O18	Phyroid	Urea	Prod	Part/DON	15N	Isot/chl	Mania		No.										
1	bot		219	369											136				1										
2	50			370		LC6									137				2										
3	40			371		LC5									138				3										
4	30			372		LC4									139				4										
5	20			373		LC3									140				5										
6	10			374		LC2													6										
7	0		226	375		LC1													7										
8																			8										
9																			9										
10																			10										
11																			11										
12																			12										

Station notes:

NO O<sub>2</sub>  
Julia 136



VESSEL		CRUISE ID		PROJECT & LEG		SHIP DESIGNATION (I.D.)		STATION NO.	
USCGC Polar Sea		PS1001		BEST/BSIERP-ice 2010		PS1001 or 1PS10		PS1001-058	
LATITUDE		LONGITUDE		TIME (GMT)		-10.5		70m45	
DEG	MIN	DEG	MIN	DAY	MO	YR	HR	MIN	SEC
062	6015.91	N	17331.93	W	01	10	11	45	
SBE 9+		FLUOR S/N		REMARKS		MAX. DEPTH = 65 m			
PRESS SN		SBE43-Oxy (prime)							
PRI TEMP SN		SBE43-Oxy (sec)							
SEC TEMP SN		Transmissometer							
PRI COND SN		PAR S/N							
SEC COND SN		02 Temp Sensor No.							
2863		70112							
DEPTH		Roset.		Hydro Team-PMEL		Lee and Jackie		Sherr	
No.	DESIRED	notes	SALT	Nut.Btl	O2Btl	CHL	Fr CHL	chlor	bw
1	bot		321	376	069				
2	50			377					
3	40			378					
4	30			379					
5	20			380					
6	10			381					
7	0			382					
8									
9									
10									
11									
12									

Station notes:

O<sub>2</sub> = 0.69  
No Julie  
Julie = 141

VESSEL		CRUISE ID		PROJECT & LEG		SHIP DESIGNATION (I.D.)		STATION NO.	
USCGC Polar Sea		PS1001		BEST/BSIERP-ice 2010		PS1001 or 1PS10		PS1001-059	
LATITUDE		LONGITUDE		TIME (GMT)		DRY BULB		WET BULB	
0636006.11 N		17517.83 W		4PT 10 15/6		-13.5			
DEG MIN		DEG MIN		DAY MO YR		HR MIN		PRESSURE	
063 60 06.11		17 51 7.83		01 MAR 10		15/6		97	
SBE 9+		FLUOR S/N		REMARKS		SEA STATE		VISIBILITY	
PRESS SN		SBE43-Oxy (prime)		025/03		WIND DIRN.		WIND SPD.	
PRI TEMP SN		SBE43-Oxy (sec)				CLOUD(amt)		TYPE	
SEC TEMP SN		Transmissometer				WEATHER		BOTTOM DEPTH	
PRI COND SN		PAR S/N						STA. NAME/ID	
SEC COND SN		02 Temp Sensor No.							
DEPTH		Roset.		Hydro Team-PMEL		Lee and Jackie		Sherr	
DESIGD		notes		SALT		Nut.Brt		O2Brt	
1 bat		1323		383				CHL	
2 50				384		LC6		Fr CHL	
3 40				385		LC5		chlor	
4 30				386		LC4		bw	
5 20				387		LC3		O18	
6 15				388		LC2		Phyroid	
7 10				389		LC1		Urea	
8 0				389		LC2		Prod	
9								Part/DON	
10								Julie	
11								Isot/chl	
12								Ted	
								Maria	
								Remarks	
								NIS	
								No	
								12	

Station notes:

N6 O2



VESSEL		CRUISE ID		PROJECT & LEG		SHIP DESIGNATION (I.D.)		STATION NO.																											
USCGC Polar Sea		PS1001		BEST/BSIERP-ice 2010		PS1001 or 1PS10		PS1001 - 060																											
LATITUDE		LONGITUDE		TIME (GMT)		DRY BULB		WET BULB		PRESSURE		SEA STATE		VISIBILITY		WIND DIRN.		WIND SPD.		CLOUD(amt)		TYPE		WEATHER		BOTTOM DEPTH		STA. NAME/ID							
DEG MIN		DEG MIN		DAY MO YR		HR MIN		°C		°C		(mb)		*		(deg)		(kts)		*		*		*		(m)		70m 43							
064 60 02		53 N 173 00. 22 W		01 JUL 2010		18 05		.		.		97		.		354		4		.		.		.		71									
SBE 9+		4 1 6		FLUOR S/N		0 8 8 2 3 4		REMARKS		340/05		MAX. DEPTH = 62 m																							
PRESS SN		5 7 4 7 3		SBE43-Oxy (prime)		5 0 1																													
PRI TEMP SN		2498		SBE43-Oxy (sec)																															
SEC TEMP SN		4353		Transmissometer		CST436or																													
PRI COND SN		2361		PAR S/N		70112																													
SEC COND SN		2863		O2 Temp Sensor No.																															
DPTH		Roset.		Hydro Team-PMEL		Lee and Jackie		Sherr		Sanbroto (Dider)		Julie		Jared		Ted		Remarks																	
No.		DESIRED		SALT		Nut/Btl		O2Btl		CHL		Fr CHL		chlor		bw		O18		PhytoID		Jurea		Prod		Part/DON		15N		Isot/chl		Maria		No.	
1		60+		C1		390																												1	
2		50				391				LC1																								2	
3		40				392				LC5																								3	
4		30				393		163		LC4																								4	
5		20				394				LC3																								5	
6		10				395				LC2																								6	
7		0				C2		396		LC1																								7	
8																																		8	
9																																		9	
10																																		10	
11																																		11	
12																																		12	

Station notes:

No Julie  
Julie = 146  
D2 = 163



VESSEL		CRUISE ID		PROJECT & LEG		Ship Designation (I.D.)		STATION NO.																							
USCGC Polar Sea		PS1001		BEST/BSIERP-Ice 2010		PS1001 or 1PS10		PS1001-06a																							
LATITUDE		LONGITUDE		TIME (GMT)		DRY BULB		WET BULB		PRESSURE		SEA STATE		VISIBILITY		WIND DIRN.		WIND SPD.		CLOUD(amt)		TYPE		WEATHER		BOTTOM DEPTH		STA. NAME/ID			
665954.68 N		17226.14 W		0200		1000		1000		96		*		*		320		42		*		*		*		77		70m41			
DEG MIN		DEG MIN		DAY		MO		YR		HR		MIN		(°C)		(°C)		(mb)		*		*		*		*		(m)			
4 1 6		0 8 8		2 3 4																											
SBE 9+		FLUOR S/N		0 8 8		2 3 4																									
PRESS SN		SBE43-Oxy (prime)		5 7 4		7 3																									
PRI TEMP SN		SBE43-Oxy (sec)		2498																											
SEC TEMP SN		Transmissometer		4353																											
PRI COND SN		PAR S/N		2361																											
SEC COND SN		PAR S/N		2012																											
2863		02 Temp Sensor No.																													
DEPTH		Poset.		Hydro Team-PMEL		Lee and Jackie		Sher		Sambrotto (Didier)		Julie		Jared		Ted															
DESIRED		notes		SALT		Nut:Btl		O2Btl		CHL		Fr CHL		chlor		bw		O18		Phyroid		Urea		Prod		Part/DON		15N			
1		404		405		232		LC6																							
2		50		406		LC5																									
3		40		407		LC4																									
4		30		408		LC3																									
5		20		409		LC2																									
6		10		410		LC1																									
7		0																													
8																															
9																															
10																															
11																															
12																															

Station notes:

no tube  
0a 232

MAX. DEPTH = 64 m



VESSEL		CRUISE ID		PROJECT & LEG		Ship Designation (I.D.)		STATION NO.																											
USCGC Polar Sea		PS1001		BEST/BSIERP-Ice 2010		PS1001 or 1PS10		131001-064																											
LATITUDE		LONGITUDE		TIME (GMT)		DRY BULB		WET BULB		PRESSURE		SEA STATE		VISIBILITY		WIND DIRN.		WIND SPD.		CLOUD(amt)		TYPE		WEATHER		BOTTOM DEPTH		STA. NAME/ID							
685953.04 N		17139.81 W		02 MAR 10		-12.9				96		*		*		291		023				+		+		75		70m39							
DEG MIN		DEG MIN		DAY MO YR		TIME (GMT)		DRY BULB		WET BULB		PRESSURE		SEA STATE		VISIBILITY		WIND DIRN.		WIND SPD.		CLOUD(amt)		TYPE		WEATHER		BOTTOM DEPTH		STA. NAME/ID					
4 1 6		5 7 4 7 3		SBE 9+		FLUOR S/N		0 8 8 2 3 4		SBE 43-Oxy (prime)		5 0 1		SBE 43-Oxy (sec)		Transmissometer		CST436or		PAR S/N		70112		O2 Temp Sensor No.		2863		2863		2863					
SBE 9+		SBE 43-Oxy (prime)		SBE 43-Oxy (sec)		Transmissometer		CST436or		PAR S/N		O2 Temp Sensor No.		2863		2863		2863		2863		2863		2863		2863		2863		2863					
PRESS SN		2498		SEC TEMP SN		4353		PRI COND SN		2361		SEC COND SN		2863		2863		2863		2863		2863		2863		2863		2863		2863					
No.		DEPTH		Roset.		SALT		Nut:Btl		O2Btl		CHL		Fr CHL		chlor		bw		O18		Phytoid		Sherr		Sambrotto (Drier)		Julie		Iared		Ted		Remarks	
1		b				418																													
2		50				419																													
3		40				420																													
4		30				421																													
5		20				422																													
6		10				423		113																											
7		0				424																													
8																																			
9																																			
10																																			
11																																			
12																																			

Station notes:

02 113  
NO Julie

150/02 801f

m/s

MAX DEPTH = 62 m

VESSEL USCGC Polar Sea		CRUISE ID PS1001		PROJECT & LEG BEST/BSIERP-ice 2010		SHIP Designation (I.D.) PS1001 or 1PS10		STATION NO. PS1001-065	
LATITUDE 69° 59' 46" N		LONGITUDE 171° 25' 58" W		TIME (GMT) 02 MAR 10		-13.7 DRY BULB (°C)		WET BULB (°C)	
DEG MIN		DEG MIN		DAY MO YR		HR MIN		PRESSURE (mb)	
69 59 46		17 25 58		02 MAR 10		09 49		95	
SBE 9+ 4 1 6		FLUOR S/N 0 8 8 2 3 4		REMARKS 304/06		MAX. DEPTH = 68 m		70m30	
PRESS SN 5 7 4 7 3		SBE43-Oxy (prime) 5 0 1							
PRI TEMP SN 2498		SBE43-Oxy (sec)							
SEC TEMP SN 4353		Transmissometer CST4360r							
PRI COND SN 2361		PAR S/N 70112							
SEC COND SN 2863		02 Temp Sensor No.							
DEPTH Reset.		Hydro Team-PMEL		Lee and Jackie		Sherr		Sambrotto (Didier)	
DESIRIED notes		SALT		Nut.Btl		O2Btl		CHL	
1 b		C3		425					
2 50				426					
3 40				427					
4 30				428					
5 20				429					
6 10				430					
7 0				C4					
8				431					
9									
10									
11									
12									

Station notes:

5 156  
no 02



VESSEL		CRUISE ID		PROJECT & LEG		Ship Designation (I.D.)		STATION NO.	
USCGC Polar Sea		PS1001		BEST/BSIERP-ice 2010		PS1001 or 1PS10		PS1001-066	

  

LATITUDE		LONGITUDE		TIME (GMT)		DRY BULB		WET BULB		PRESSURE		SEA STATE		VISIBILITY		WIND DIRN.		WIND SPD.		CLOUD(amt)		TYPE		WEATHER		BOTTOM DEPTH		STA. NAME/ID	
DEG	MIN	DEG	MIN	DAY	MO	YR	HR	MIN	(°C)	(°C)	(mb)	*	*	(deg)	(kts)	*	*	*	*	*	*	*	*	*	(m)				
070	59	42	.51	N	1	71	08	.23	W	02	MAY	1	0	12	28														

  

SBE 9+	4 1 6	FLUOR S/N	0 8 8 2 3 4
PRESS SN	5 7 4 7 3	SBE43-Oxy (prime)	5 0 1
PRI TEMP SN	2498	SBE43-Oxy (sec)	
SEC TEMP SN	4353	Transmissometer	CS14360r
PRI COND SN	2361	PAR S/N	70112
SEC COND SN	2863	O2 Temp Sensor No.	

  

DEPTH		Roset.		Hydro Team-PMEL		Lee and Jackie		Sheer		Sambrotto (Didier)		Julie		Jared		Ted		Remarks	
No.	DESIRED	notes	SALT	Nut.Btl	O2Btl	CHL	Fr CHL	chlor	bw	O18	PhytoID	Urea	Prod	Part/DON	15N	Isot/chl	Maria		

  

1	hnt		CS	432	086														
2	50			433		LCL													
3	40			434		LCS													
4	30			435		Lc4													
5	20			436		Lc3													
6	10			437		Lc2													
7	0		CG	438		Lc1													
8																			
9																			
10																			
11																			
12																			

Station notes:

Julio = 161

260956

MAX. DEPTH = 66 m



VESSEL USCGC Polar Sea		CRUISE ID PS1001		PROJECT & LEG BEST/BSIERP-ice 2010		Ship Designation (I.D.) PS1001 or 1PS10		STATION NO. PS1001-067	
LATITUDE 071 59 35.47N		LONGITUDE 170 55.06W		DAY 02		MO AUG		YR 2010	
DEG MIN		DEG MIN		DAY		MO		YR	
TIME (GMT) 15 18		DRY BULB -11.6		WET BULB		PRESSURE 95		SEA STATE * *	
WIND DIRN. 320		WIND SPD. 4		CLOUD(amt) * *		WEATHER * *		BOTTOM DEPTH 95	
WIND DIRN. (deg)		WIND SPD. (kts)		CLOUD(amt)		WEATHER		BOTTOM DEPTH (m)	
SBE 9+ 4 1 6		FLUOR S/N 0 8 8 2 3 4		SBE43-Oxy (prime) 5 7 4 7 3		SBE43-Oxy (sec) 2498		Transmissometer CST436or	
PRESS SN 2498		PAR S/N 2361		PAR S/N 20112		PAR S/N 20112		PAR S/N 20112	
SEC TEMP SN 4353		SEC COND SN 2361		SEC COND SN 2863		SEC COND SN 2863		SEC COND SN 2863	
DIPTH Roset.		Hydro Team-PMEL		Lee and Jackie		Sherr		Sambrotto (Dider)	
No. DESIRED notes		SALT		Nut.Btl		O2Btl		CHL	
1 607		439		LC6		LC4		LC3	
2 50		440		LC6		LC4		LC3	
3 40		441		LC5		LC4		LC3	
4 30		442		LC4		LC4		LC3	
5 20		443		LC3		LC4		LC3	
6 10		444		LC2		LC4		LC3	
7 0		C8 445		LC1		LC4		LC3	
8									
9									
10									
11									
12									

Station notes:

O<sub>2</sub> = 220

280/04

2

MAX. DEPTH = 66 m

VESSEL		CRUISE ID		PROJECT & LEG		Ship Designation (I.D.)		STATION NO.	
USCGC Polar Sea		PS1001		BEST/BSIERP-Ice 2010		PS1001 or 1PS10		PS1001-068	
LATITUDE		LONGITUDE		TIME (GMT)		DRY BULB		WET BULB	
DEG	MIN	DEG	MIN	DAY	MO	YR	HR	MIN	(°C)
072	59	170	54	02	APR	10	17	11	
N		W							
SBE 9+		FLUOR S/N		0 8 8 2 3 4		REMARKS			
PRESS SN		SBE43-Oxy (prime)		5 0 1					
PRI TEMP SN		SBE43-Oxy (sec)							
SEC TEMP SN		Transmissometer		CST436or					
PRI COND SN		PAR S/N		70112					
SEC COND SN		Q2 Temp Sensor No.							
2863									
DEPTH		Roset.		Hydro Team-PMEL		Lee and Jackie		Sherr	
DESIRED		notes		SALT		Nut:Btl		O2Btl	
1		hot		C9		446			
2		SD				447		LC6	
3		40				448		LC5	
4		30				449		LC4	
5		12.5				450		LC3	
6		10				451		LC2	
7		0				C10		N52	
8						452		LC1	
9									
10									
11									
12									
No.		No.		No.		No.		No.	
1		1		1		1		1	
2		2		2		2		2	
3		3		3		3		3	
4		4		4		4		4	
5		5		5		5		5	
6		6		6		6		6	
7		7		7		7		7	
8		8		8		8		8	
9		9		9		9		9	
10		10		10		10		10	
11		11		11		11		11	
12		12		12		12		12	

Station notes:

No. 1066

Jul. 2. 1066

287/09

MAX. DEPTH = 66 m

70m 35m 4

Old wind 10 before  
blueing

VESSEL		CRUISE ID		PROJECT & LEG		Ship Designation (I.D.)		STATION NO.																															
USCGC Polar Sea		PS1001		BEST/BSIERP-Ice 2010		PS1001 or 1PS10		PS1001-069																															
LATITUDE		LONGITUDE		TIME (GMT)		DRY BULB		WET BULB		PRESSURE		SEA STATE		VISIBILITY		WIND DIRN.		WIND SPD.		CLOUD(amt)		TYPE		WEATHER		BOTTOM DEPTH		STA. NAME/ID											
DEG MIN		DEG MIN		DAY MO YR		HR MIN		°C		°C		(mb)		*		(deg)		(kts)		*		*		*		(m)													
07359 20.18 N		17038.94 W		2 MAR 10		0516		-11.8		80%		98		254		3		73								70m34													
SBE 9+		4 1 6		FLUOR S/N		0 8 8 2 3 4		REMARKS																		MAX DEPTH = 60 m													
PRESS SN		5 7 4 7 3		SBE43-Oxy (prime)		5 0 1																																	
PRI TEMP SN		2498		SBE43-Oxy (sec)																																			
SEC TEMP SN		4353		Transmissometer		CST436or																																	
PRI COND SN		2361		PAR S/N		70112																																	
SEC COND SN		2863		O2 Temp Sensor No.																																			
DEPTH		Roset.		Hydro Team-PMEL		Lee and Jackie		Sherr		Sambrotto (Didier)		Julie		Jared		Ted		Remarks																					
No.		DESIRED		notes		SALT		Nut.Btl		O2Btl		CHL		Fr CHL		chlor		bw		O18		Phytoid		Urea		Prod		Part/DON		15N		sot/chl		Mara				NIS	
1		bot				C11		453																✓				✓		166						1			
2		50						451				LCL																		167						2			
3		40						455				LCS				✓								✓												3			
4		30						456				LC4				✓								✓				168								4			
5		20						457				LCS																169								5			
6		10				C12		458				LCS																170								6			
7		0						459				LCS				✓								✓												7			
8																																				8			
9																																				9			
10																																				10			
11																																				11			
12																																				12			

Station notes:

No 03 = 003

VESSEL		CRUISE ID		PROJECT & LEG		Ship Designation (I.D.)		STATION NO.																													
USCGC Polar Sea		PS1001		BEST/BSIERP-Ice 2010		PS1001 or 1PS10		PS1001-070																													
LATITUDE		LONGITUDE		TIME (GMT)		DRY BULB		WET BULB		PRESSURE		SEA STATE		VISIBILITY		WIND		WIND		CLOUD(amt)		TYPE		WEATHER		BOTTOM		STA. NAME/ID									
DEG MIN		DEG MIN		DAY MO		YR		HR MIN		°C		°C		(mb)		*		(deg)		(kts)		+		+		(m)											
74 59		6. 81 N		170 15. 60 W		3 MAR 10		00 30						00				252		38 1/2		71						70m32									
SBE 9+		4 1 6		FLUOR S/N		0 8 8 2 3 4		REMARKS																													
PRESS SN		5 7 4 7 3		SBE43-Oxy (prime)		5 0 1		Skipper every other station +5																													
PRI TEMP SN		2498		SBE43-Oxy (sec)				1n large open area, thin ice																													
SEC TEMP SN		4353		Transmissometer		CS1436or																															
PRI COND SN		2361		PAR S/N		70112																															
SEC COND SN		2863		02 Temp Sensor No.																																	
DEPTH		Roset.		Hydro Team-PMEL		Lee and Jackie		Sherr		Sambrotto (Didier)		Julie		Iared		Ted		Remarks																			
No.		DESIRED		notes		SALT		Nut.Btl		O2Btl		CHL		Fr.CHL		chlor		bw		O18		Phytoid		Urea		Prod		Part/DON		15N		Isot/chl		Marta		No.	
1		b		60				460		003																										1	
2		50						461				LC6																								2	
3		40						462				LC5																								3	
4		30						463				LC4																								4	
5		20						464				LC3																								5	
6		10						465				LC2																								6	
7		0						466				LC1																								7	
8																																				8	
9																																				9	
10																																				10	
11																																				11	
12																																				12	

Station notes:

02003  
5 June 171

VESSEL		CRUISE ID		PROJECT & LEG		Ship Designation (I.D.)		STATION NO.	
USCGC Polar Sea		PS1001		BEST/BSIERP-ice 2010		PS1001 or 1PS10		PS1001-071	
LATITUDE		LONGITUDE		TIME (GMT)		-13.2			
DEG	MIN	DEG	MIN	DAY	MO	YR	HR	MIN	
75	58	47	30	N	70	18	05	W	3
SSE 9+		FLUOR S/N		0 8 8 2 3 4		REMARKS			
PRESS SN		SSE 43-Oxy (prime)		5 0 1					
PRI TEMP SN		SSE 43-Oxy (sec)							
SEC TEMP SN		Transmissometer		CST4360r					
PRI COND SN		PAR S/N		70112					
SEC COND SN		02 Temp Sensor No.							
DEPTH		Roset.		Hydro Team-PMEL		Lee and Jackie		Sherr	
No.	DESIRED	notes	SALT	Nut.Btl	O2Btl	CHL	Fr CHL	chlor	bw
1	b			467					
2	50			468		LC6			
3	40			469		LC5			
4	30			470	200	LC4			
5	20			471		LC3			
6	10			472		LC2			
7	0			473		LC1			
8									
9									
10									
11									
12									

Station notes: 02 200

VESSEL		CRUISE ID		PROJECT & LEG		SHIP DESIGNATION (I.D.)		STATION NO																					
USCGC Polar Sea		PS1001		BEST/BSIERP-Ice 2010		PS1001 or 1PS10		PS1001-07a																					
LATITUDE		LONGITUDE		TIME (GMT)		DRY BULB		WET BULB		PRESSURE		SEA STATE		VISIBILITY		WIND DIRN.		WIND SPD.		CLOUD(amt)		TYPE		WEATHER		BOTTOM DEPTH		STA. NAME/ID	
07658 26.92 N		170 09.07 W		03 APR 10		09 37		-13.8		02		*		*		277		11		*		*		78		70m28			
SBE 9+		4 1 6		FLUOR S/N		0 8 8 2 3 4																							
PRESS SN		5 7 4 7 3		SBE43-Oxy (prime)		5 0 1																							
PRI TEMP SN		2498		SBE43-Oxy (sec)																									
SEC TEMP SN		4353		Transmissometer		CST4360r																							
PRI COND SN		2361		PAR S/N		70112																							
SEC COND SN		2863		O2 Temp Sensor No.																									
DEPTH		Reset.		Hydro Team-PMEL		Lee and Jackie		Sherr		Sambrotto (Didier)		Julie		Jared		Ted													
DESIGNED		notes		SALT		NutBtl		O2Btl		CHL		Fr CHL		chlor		bw		O18		Phyroid		Urea		Prod		Part/DON		1SN	
1		b		C13		474																							
2		50				475				LC6																			
3		40				476				LC5																			
4		30				477				LC4																			
5		20				478				LC3																			
6		10				479				LC2																			
7		0				C14		480		LC1																			
8																													
9																													
10																													
11																													
12																													

Station notes:

0a 016

280/05

MAX. DEPTH = 67 m

VESSEL USCGC Polar Sea		CRUISE ID PS1001		PROJECT & LEG BEST/BSIERP-Ice 2010		Ship Designation (I.D.) PS1001 or 1PS10		STATION NO. PS1001-073																															
LATITUDE		LONGITUDE		TIME (GMT)		DRY BULB		WET BULB		PRESSURE		SEA STATE		VISIBILITY		WIND DIRN.		WIND SPD.		CLOUD (amt)		TYPE		WEATHER		BOTTOM DEPTH		STA. NAME/ID											
0 77 58 08 . 74 N		169 55 . 02 W		03 49 18		-14.0				99		*		*		98		7		+		+				75		70m26											
DEG MIN		DEG MIN		DAY MO YR		HR MIN		(°C)		(°C)		(mb)		*		*		(deg)		(kts)		+		+		(m)													
SBE 9+		4 1 6		FLUOR S/N		0 8 8 2 3 4		REMARKS		85/03		MAX DEPTH = 65 m																											
PRESS SN		5 7 4 7 3		SBE43-Oxy (prine)		5 0 1																																	
PRI TEMP SN		2498		SBE43-Oxy (sec)																																			
SEC TEMP SN		4353		Transmissometer		CST436or																																	
PRI COND SN		2361		PAR S/N		70112																																	
SEC COND SN		2863		O2 Temp Sensor No.																																			
DEPTH		Roset.		Hydro Team-PMEL		Lee and Jackie		Sherr		Sambrotto (Drier)		Julie		Jared		Ted		Remarks																					
No		DESIRED		notes		SALT		Nut.Btl		O2Btl		CHL		Fr CHL		chlor		bw		O18		Phytoid		Urea		Prod		Part/DON		T SN		Isot/chl		Maria				Nis	
1		bot				C15		481		217																										1			
2		50						482				LC6																						2					
3		40						483				LC5																						3					
4		30						484				LC4																						4					
5		20						485				LC3																						5					
6		15						Regain's bottle, it's all her fault!!													6																		
7		10						486				LC2																						7					
8		0						C16		487		LC1																						8					
9																																		9					
10																																		10					
11																																		11					
12																																		12					

Station notes:



VESSEL USCGC Polar Sea		CRUISE ID PS1001		PROJECT & LEG BEST/BSIERP-Ice 2010		Ship Designation (I.D.) PS1001 or 1PS10		STATION NO. PS1001-074	
LATITUDE		LONGITUDE		TIME (GMT)		DRY BULB		WET BULB	
078 57 55.12N		169 30.75W		03 MAR 10 18 27		-10.5			
DEG MIN		DEG MIN		DAY MO YR		HR MIN		PRESSURE	
078 57 55.12N		169 30.75W		03 MAR 10		18 27		94	
SBE 9+		FLUOR S/N		0 8 8 2 3 4		SEA STATE		VISIBILITY	
PRESS SN		SBE43-Oxy (prime)		5 0 1		WIND DIRN.		WIND SPD.	
PRI TEMP SN		SBE43-Oxy (sec)				(deg)		(kts)	
SEC TEMP SN		Transmissometer		CST436or		CLOUD(amt)		TYPE	
PRI COND SN		PAR S/N		70112		WEATHER		BOTTOM DEPTH	
SEC COND SN		02 Temp Sensor No.						(m)	
2863								73	
Al tim 1 0 6 2									
REMARKS									
080/09									
MAX DEPTH = 64 m									
DEPTH		Roset.		Hydro Team-PMEL		Lee and Jackie		Sherr	
No.		DESIRED		notes		SALT		Nut.Btl	
1		604		C17		488			
2		50				489		LC6	
3		40				490		LC5	
4		30				491		226 LC4	
5		20				492		LC3	
6		10				493		LC2	
7		0				C18		494 LC1	
8									
9									
10									
11									
12									
NIS		Remarks							
No.		NIS							

Station notes:

VESSEL USCGC Polar Sea		CRUISE ID PS1001		PROJECT & LEG BEST/BSIERP-Ice 2010		SHIP Designation (I.D.) PS1001 or 1PS10		STATION No. PS1001-075	
LATITUDE 079 57 50.84 N		LONGITUDE 168 54.07 W		TIME (GMT) MAR 10 2235		DRY BULB 6.6		WET BULB 8.1	
DEG MIN		DEG MIN		DAY MO YR		HR MIN		PRESSURE 89	
SBE 9+ 4 1 6		FLUOR S/N 0 8 8 2 3 4		SBE43-Oxy (prime) 5 0 1		SEA STATE *		VISIBILITY *	
PRESS SN 2498		SBE43-Oxy (sec) 5 0 1		SBE43-Oxy (sec) 5 0 1		WIND DIRN. 33		WIND SPD. 4.8	
SEC TEMP SN 4353		Transmissometer CST4360r		PAR S/N 70112		CLOUD(amt) *		TYPE *	
PRI COND SN 2361		PAR S/N 70112		AI tim 1 0 6 2		WEATHER *		BOTTOM DEPTH (m) 75	
SEC COND SN 2863		O2 Temp Sensor No.		REMARKS 079/11 601F		MAX. DEPTH = 64 m		STA. NAME/ID 70m22	
DEPTH Roset.		Hydro Team-PMEL		Lee and Jackie		Sheer		Sambrotto (Didier)	
DESIGNED		SALT		Nut.Bd		O2Btl		CHL	
notes		Fr CHL		chlor		bw		O18	
1 601		495		LC6		196		197	
2 50		496		LC6		197		198	
3 40		497		LC6		198		199	
4 30		498		LC4		199		200	
5 20		499		LC3		200		201	
6 10		500		LC2		201		202	
7 0		501		LC1		202		203	
8									
9									
10									
11									
12									

Station notes:

VESSEL USCGC Polar Sea		CRUISE ID PS1001		PROJECT & LEG BEST/BSIERP-ice 2010		SHIP DESIGNATION (I.D.) PS1001 or 1PS10		STATION NO. PS1001-076	
LATITUDE 80° 57' 36.85" N		LONGITUDE 168° 43' 65" W		TIME (GMT) 4 APR 10 0135		-4.2 DRY BULB		WET BULB	
DEG MIN		DEG MIN		DAY MO YR		HR MIN		PRESSURE	
80 57 36.85		168 43 65		4 APR 10		01 35		87	
SBE 9+		FLUOR S/N		0 8 8 2 3 4		SEA STATE		VISIBILITY	
PRESS SN		SBE43-Oxy (prime)		5 0 1		WIND DIRN.		WIND SPD.	
PRI TEMP SN		SBE43-Oxy (sec)				54		8	
SEC TEMP SN		Transmissometer		CST4360r		CLOUD(amt)		TYPE	
PRI COND SN		PAR S/N		70112		WEATHER		BOTTOM DEPTH	
SEC COND SN		2863		02 Temp Sensor No.		74		74	
DEPTH		Roset.		Hydro Team-PMEL		Lee and Jackie		Sherr	
DESIRED		notes		SALT		Nut.Btl		O2Btl	
1		bot		502				CHL	
2		50		503		LC6		Fr CHL	
3		40		504		LC5		chlor	
4		30		505		LC4		bw	
5		20		506		074		018	
6		10		507		074		Phyroid	
7		0		508		LC1		Urea	
8								Prod	
9								Part/DON	
10								15N	
11								Jared	
12								Ted	
								Maria	
								Remarks	
								Nis	

Station notes:

02 074

REMARKS  
T had top 5m  
070109  
80#

70m 20  
21 by 8  
STA. NAME/ID

VESSEL		CRUISE ID		PROJECT & LEG		SHIP DESIGNATION (I.D.)		STATION NO.																													
USCGC Polar Sea		PS1001		BEST/BSIERP-ice 2010		PS1001 or 1PS10		PS1001-077																													
LATITUDE		LONGITUDE		TIME (GMT)		DRY BULB		WET BULB		PRESSURE		SEA STATE		VISIBILITY		WIND DIRN.		WIND SPD.		CLOUD(amt)		TYPE		WEATHER		BOTTOM DEPTH		STA. NAME/ID									
81 57 30.26 N		168 0.55 W		4 APR 10		0603-5.5		90		001		001		001		001		001		001		001		001		001		001									
SBE 9+		FLUOR S/N		0 8 8 2 3 4		REMARKS		345/02		7012		MAX. DEPTH = 64 m																									
PRESS SN		SBE43-Oxy (prime)		5 7 4 7 3		SBE43-Oxy (sec)		5 0 1																													
PRI TEMP SN		2498		SBE43-Oxy (sec)		CST436or																															
SEC TEMP SN		4353		Transmissometer		70112																															
PRI COND SN		2361		PAR S/N		70112																															
SEC COND SN		2863		O2 Temp Sensor No.																																	
DEPTH		Roset.		Hydro Team-FMEL		Lee and Jackie		Sherr		Sambrotto (Didier)		Julie		Jared		Ted		Remarks																			
No. DESIRED		notes		SALT		Nutr Bt		O2Bt		CHL		Fr CHL		chlor		bw		O18		Phytoid		Urea		Prod		Part/DON		15N		Isot/chl		Maria					
1		b				509 204																															
2		50				510				LC6																											
3		40				511				LC5																											
4		30				512				LC4																											
5		20				513				LC3																											
6		10				514				LC2																											
7		0				515				LC1																											
8																																					
9																																					
10																																					
11																																					
12																																					

Station notes:

02 221

VESSEL		CRUISE ID		PROJECT & LEG		Ship Designation (I.D.)		STATION NO																											
USCGC Polar Sea		PS1001		BEST/BSIERP-ice 2010		PS1001 or 1PS10		PS1001-078																											
LATITUDE		LONGITUDE		TIME (GMT)		DRY BULB		WET BULB		PRESSURE		SEA STATE		VISIBILITY		WIND DIRN.		WIND SPD.		CLOUD(amt)		TYPE		WEATHER		BOTTOM DEPTH		STA. NAME/ID							
Deg MIN		DEG MIN		DAY MO YR		HR MIN		°C		°C		(mb)		*		(deg)		(kts)		*		*		(m)		70m14									
082 57 31		167 02. 95 W		04 APR 10		11 22		.		.		92		*		58		11		*		*		75											
SBE 9+ 416		FLUOR S/N 088234		REMARKS		055706		MAX DEPTH = 65 m																											
PRESS SN 57473		SBE 43-Oxy (prime) 501																																	
PRI TEMP SN 2498		SBE 43-Oxy (sec)																																	
SEC TEMP SN 4353		Transmissometer Cst4360r																																	
PRI COND SN 2361		PAR S/N 70112																																	
SEC COND SN 2863		02 Temp Sensor No.		Alt 1062																															
Depth		Rosette		Hydro Team-PMEL		Lee and Jackie		Sherr		Sambrotto (Didier)		Julie		Jared		Ted		Remarks																	
No. DESIRED		notes		SALT		Nut.Btl		O2Btl		CHL		Fr CHL		chlor		bw		018		PhytoID		Urea		Prod		Part/DON		15N		sot/chi		Maina			
1		b,				516																													
2		50				517				LC6																									
3		40				518				LC5																									
4		30				519				LC4																									
5		20				520				LC3																									
6		10				521				LC2																									
7		0				522		209		LC1																									
8																																			
9																																			
10																																			
11																																			
12																																			

Station notes:

02 209

VESSEL		CRUISE ID		PROJECT & LEG		Ship Designation (I.D.)		STATION No.																															
USCGC Polar Sea		PS1001		BEST/BSIERP-Ice 2010		PS1001 or 1PS10		18001-079																															
LATITUDE		LONGITUDE		TIME (GMT)		DRY BULB		WET BULB		PRESSURE		SEA STATE		VISIBILITY		WIND DIRN.		WIND SPD.		CLOUD(amt)		TYPE		WEATHER		BOTTOM DEPTH		STA. NAME/ID											
DEG MIN		DEG MIN		DAY MO YR		HR MIN		(°C)		(°C)		(mb)		*		*		(deg)		(kts)		*		*		(m)		#1											
0 53 57 19.68 N		1 66 21.14 W		04 APR 10		16 53						90						072		8																			
SBE 9+		4 1 6		FLUOR S/N		0 8 8 2 3 4																																	
PRESS SN		5 7 4 7 3		SBE43-Oxy (prime)		5 0 1																																	
PRI TEMP SN		2498		SBE43-Oxy (sec)																																			
SEC TEMP SN		4353		Transmissometer		CS1436or																																	
PRI COND SN		2361		PAR S/N		70112																																	
SEC COND SN		2863		02 Temp Sensor No.																																			
DEPTH		Roset.		Hydro Team/PMEL		Lee and Jackie		Sherr		Sambrotto (Didier)		Julie		Jared		Ted																							
No		DESIRED		notes		SALT		Nut/Btl		O2Btl		CHL		Fr-CHL		chlor		bw		018		Phyroid		Jrea		Prod		Part/DON		15N		Isot/chl		Maria		Remarks		Nis	
1		bot						503		171																										1			
2		50						504				LC6																						2					
3		40						505				LC5																						3					
4		30						506				LC4																						4					
5		20						507				LC3																						5					
6		10						508				LC2																						6					
7		0						509				LC1																						7					
8																																		8					
9																																		9					
10																																		10					
11																																		11					
12																																		12					

Station notes:

VESSEL		CRUISE ID		PROJECT & LEG		Ship Designation (I.D.)		STATION NO.																					
JSCGC Polar Sea		PS1001		BEST/BSIERP-ice 2010		PS1001 or 1 PS10		PS1001-080																					
LATITUDE		LONGITUDE		TIME (GMT)		DRY BULB		WET BULB		PRESSURE		SEA STATE		VISIBILITY		WIND DIRN.		WIND SPD.		CLOUD(amt)		TYPE		WEATHER		BOTTOM DEPTH		STA. NAME/ID	
Deg MIN		Deg MIN		DAY MO YR		HR MIN		°C		°C		(mb)		+		(deg)		(kts)		+		+		(m)					
08457		6.62N		16536.67W		04 APR 10		2106-6.3				90		+		90		8						715					
SBE 9+ 416		FLUOR S/N 088234		REMARKS																									
PRESS SN 57473		SBE 43-Oxy (prime) 501																											
PRI TEMP SN 2498		SBE 43-Oxy (sec)																											
SEC TEMP SN 4353		Transmissometer CST436or																											
PRI COND SN 2361		PAR S/N 70112																											
SEC COND SN 2863		02 Temp Sensor No.																											
Depth		Rosette		Hydro Team-PMEL		Lee and Jackie		Sherr		Sambrotto (Didier)		Julie		Jared		Ted		Remarks											
No. DESIRED		notes		SALT		NutBr		02Bt		CHL		Fr CHL		chlor		bw		018		PhytoID		Urea		Prod		Part/DON		15N	
1 60		63				530																							
2 50						531				LC6																			
3 40						532				LC5																			
4 30						533		207		LC4																			
5 20						534				LC3																			
6 10						535				LC2																			
7 0						536				LC1																			
8																													
9																													
10																													
11																													
12																													

Station notes:

Midnight 27 for 0 due

Buddy 70m07

115/103 601f

MAX DEPTH = 635m

3.3m/s

70m08



VESSEL USCGC Polar Sea CRUISE ID PS1001 PROJECT & LEG BEST/BSIERP-Ice 2010 Ship Designation (I.D.) PS1001 or 1PS10 STATION NO. 731001-081

log missing

LATITUDE		LONGITUDE		TIME (GMT)		DRY BULB	WET BULB	PRESSURE	SEA STATE	VISIBILITY	WIND DIRN.	WIND SPD.	CLOUD(amt)	TYPE	WEATHER	BOTTOM DEPTH	STA. NAME/ID
Deg	MIN	Deg	MIN	DAY	MO	YR	HR	MIN	(°C)	(°C)	(mb)	*	(deg)	(kts)	*	(m)	
0855	47.78	N	16434.92	W	5	MAR	10	0145	-2.4	91	89	158				788	70M04
REMARKS																	
SBE 9+ 416 FLUOR S/N 088234																	
PRESS SN 57473 SBE43-Oxy (prime) 501																	
PRI TEMP SN 2498 SBE43-Oxy (sec)																	
SEC TEMP SN 4353 Transmissometer csi436or																	
PRI COND SN 2361 PAR S/N 70112																	
SEC COND SN 2863 Q2 Temp Sensor No.																	
Altim 1062																	
MAX DEPTH = 66 m																	

Bridge TOM03

M2 WUS7?

7-off

No.	Depth	Rosette	notes	SALT	Nut.Btl	O2Btl	CHL	Fr CHL	chlor	bw	O18	Phyloid	Sherr	Sambroto (Didier)	Julie	Jared	Ted	Remarks	NIS
1	bot				587	222									226				1
2	50				538		LC6								227				2
3	40				539		LC6								228				3
4	30				540		LC4								229				4
5	20				541		LC3								230				5
6	10				542		LC2												6
7	0				543		LC1												7
8																			8
9																			9
10																			10
11																			11
12																			12

Station notes:

5648.5

02 222