

VESSEL		CRUISE ID TN249		PROJECT & LEG		Ship's CTD filename		STATION NO.	
R/V Thomas G. Thompson		TN249		BEST/BSEIERP_Spring'10		249xxxx		85	
CONSC	CAST #	LATITUDE	LONGITUDE	TIME (GMT)	DRY BULB	WET BULB	PRESSURE	WIND DIRN.	WIND SPD.
	DEG	MIN	DEG	MIN	DAY	MO	HR	(°C)	(°C)
111	55	18.48	N	168	25	.38	W	148	3.8
SBE 9+				FLUOR SN					
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.					
NE	DEPTH	Roset.	Hydro Team-PMEI-	Jessica	Weingemert	Sambrotto	Jen	Lomas	Moran
No.	DESIRED	Notes	SALT	Nut.Btl	02-Btl.No.	ChL.	Frac ChL..	DOC	018
1	Bottom	1650	417	155	207		81		
2	1500			156					
3	1250			157	136				
4	1000			158					
5	750			159	171				
6	500			160					
7	400			161					
8	300			162					
9	250			163	209				
10	200			164	221				
11	150			165	145				
12	100			166	198				

ICE LOG: Surface Ice Conditions or proximity to ice edge

Rosette Notes:

b

leaker out of water

2, 4, 6, 7, 8

leaker when vented

VESSEL

R/V Thomas G. Thompson

CRUISE ID TN249

PROJECT & LEG
BEST/BSIERP_Spring'10Ship's CTD filename
249xxxxy

2 4 9 8502

STATION NO.
85

CONSC CAST #	LATITUDE		LONGITUDE		TIME (GMT)			DRY BULB (°C)	WET BULB (°C)	(mb)	PRESSURE SEA STATE	WIND DIRN. (deg)	WIND SPD. (kts)	CLOUD (amt)	WEATHER	BOTTOM DEPTH (m)	STA. NAME/ID		
	DEG	MIN	DEG	MIN	DAY	MO	YR												
1125518	518	.724	N	16826	58	W	29	MAY 10	05293.9	99	05218	1691	05218	1691	CN18				
SBE 9+																			
PRESS SN																			
PRI TEMP SN																			
SEC TEMP SN																			
PRI COND SN																			
SEC COND SN																			
Nis	DEPTH	ROSET.	Hydro Team-PMEI			Jessica			Weingartner	Sambrotto		Jen	Lomas	Moran	Harvey	Carin/	Katrin	Nis	
No	DESIRED	notes	SALT	Nut.BtI	02-BtI,NO	CHL.	Frac CHL.	DOC	018	Urea	Part.	Prod	DON			Th	Lessard	Sherr	No.
1	100			167															1
2	75			168															2
3	50			169	112	-SB	SA1												3
4	40			170															4
5	30			171															5
6	20			172															6
7	10			173	151														7
8	0			174															8
9																			9
10																			10
11																			11
12																			12

ICE LOG: Surface Ice Conditions or proximity to ice edge

Rosette Notes:

1,2,4,5,6, 8 - peaks when vented

VESSEL R/V Thomas G. Thompson		CRUISE ID TN249		PROJECT & LEG BEST/BSIEP_Spring'10		Ship's CTD filename 249xxx.y				STATION NO. 86								
CONSC CAST #		DEG MIN	LATITUDE	DEG MIN	LONGITUDE	DAY	MO	YR	TIME (GMT) (°C)	DRY BULB (°C)	WET BULB (°C)	PRESSURE (mb)	SEA STATE DIRN. (deg)	WIND SPD. (kts)	WIND CLOUD (amt) TYPE	BOTTOM DEPTH (m)	WEATHER STA. NAME/ID	
1	135533.3	1	N	16742.15	5 W	29	MAY	10	080704.0	.	D2	064	17		138	CW	16	
SBE 9+									FLUOR SN									
PRESS SN									SBE43-Oxy (prime)									
PRI TEMP SN									SBE43-Oxy (sec)									
SEC TEMP SN									Transmissometer									
PRI COND SN									PAR S/N									
SEC COND SN									O2 Tmp Sensor No.									
NIS	DEPTH	Roset:		Hydro Team-PMEI				Jessica	Weingartner			Samproutto	Jen	Lomas	Moran	Harvey	Carin/ Karin	
No.	DESIRED	notes	SALT	Nut.Bt	02-BRI.No	CHL.	Frac CHL..	DOC/ALK	DOC	018	Urea	Part.	Prod	DON		Th	Lessard	Sheriff
1	130	Bottom		175				/	/									1
2	100		418	176														2
3	75			177				/	/									3
4	50			178	SB1													4
5	40			179		2		1	1									5
6	30			180		3												6
7	20			181		4												7
8	10			182		5												8
9	0			183		6												9
10																		10
11																		11
12																		12

ICE LOG: Surface Ice Conditions or proximity to ice edge

Rosette Notes:

Iceberg: 1, 4, 9 w/o being cracked

2, 3, 5, 7, 8 when cracked

VESSEL R/V Thomas G. Thompson		CRUISE ID TN249		PROJECT & LEG BEST/BSIERR_Spring10			Ship's CTD filename 249xxxx						STATION NO. 87					
CONSC CAST #		DEG MIN	DEG MIN	DAY	MO	YR	HR	MIN	TIME (GMT)	DRY BULB	WET BULB	PRESSURE	WIND DIRN.	WIND SPD.	CLOUD (amt) TYPE	BOTTOM DEPTH	STA. NAME/ID	
							*	*	(°C)	(°C)	(mb)	*	(deg)	*	(m)			
1	14	55	26	16	N	16	30	3	10	03.8	.	02	06	17	178	CN17		
SBE 9+									FLUOR S/N									
PRESS SN									SBE43-Oxy (prime)									
PRITEMP SN									SBE43-Oxy (sec)									
SEC TEMP SN									Transmissometer									
PRI COND SN									PAR S/N									
SEC COND SN									O2 Tmp Sensor No.									
Ns	DEPTH	Roset.		Hydro Team-PMEI			Jessica			Wingartner	Sambrotto	Jen	Lomas	Moran	Harvey	Cannin/	Katrin	
No	DESIRED	notes	SALT	Nut.Btl	02-Btl.No	CHL.	Frac CHL.	DIC/AIk	DOC	018	Urea	Part.	Prod	DON	Th	Lessard	Sherri	No.
1	30																1	
2	6																2	
3	6																3	
4	6																4	
5	6																5	
6	6																6	
7																	7	
8																	8	
9																	9	
10																	10	
11																	11	
12																	12	

ICE LOG: Surface Ice Conditions or proximity to ice edge

No ice present

Rosette Notes:

Lookout:

Vessel		Cruise ID TN249		Project & Leg		Ship's CTD filename		Station No.														
R/V Thomas G. Thompson		TN249		BEST/BSIERP_Spring'10		249xxxx		2 4 9 D8702														
Consc	Cast #	Latitude		Longitude		Time (GMT)		Dry Bulb	Wet Bulb	Pressure	Sea State	Wind Dirn.	Wind Spd.	Cloud (amt)	Bottom Depth	Sta. Name/ID						
		Deg	Min	Deg	Min	Day	Mo	Yr	HR	Min	(°C)	(°C)	(mb)	*	*	(deg)	(kts)	*	*			
		115	55	25	15	N	168	03	70	W	29	MAY	10	12	41	04	10	.	092	12	203	CUD 17
SBE 9+																						
PRESS SN																						
PRI TEMP SN																						
SEC TEMP SN																						
PRI COND SN																						
SEC COND SN																						
Ns	Depth	Roset.		Hydro Team-PMEI		Jessica		Weingartner	Sambarotto		Jen	Lomas	Moran	Harvey	Carin/	Katrin	Nis					
No.	Desired	Notes	Salt	Nut.Btl	02-Btl.No	Chl.	Frac Chl..	DOC/AIk	DOC	018	Urea	Part.	Prod	DON		Th	Lessard	Sherr	No.			
1	bottom	100	-	-	-	184	20%	22%							1	+			1			
2	150					-185									2	x			2			
3	100					-186									3	x			3			
4	75					1									4	+			4			
5	50					2		SB1x							5				5			
6	40					3		2x							6				6			
7	30					4		3v							7				7			
8	20					5		4v							8				8			
9	10					6		5v							9	x			9			
10	0					7		6v							10	x			10			
11															11				11			
12															12				12			

Rosette Notes:

No ice

ICE LOG: Surface Ice Conditions or proximity to ice edge

VESSEL R/V Thomas G. Thompson		CRUISE ID TN249		PROJECT & LEG		Ship's CTD filename				STATION NO.	
		TN249		BEST/BSIERP_Spring'10		249xxxx				2 4 9 09703	
CONSC CAST #	LATITUDE	DEG	MIN	DEG	MIN	DAY	MO	YR	DRY BULB	WET BULB	PRESSURE
									(°C)	(°C)	SEA STATE
									(mb)	*	VISIBILITY
									(deg)	*	WIND DIRN.
									(kts)	*	WIND SPD.
									(m)	*	CLOUD TYPE
										*	WEATHER
SBF 9+											BOTTOM DEPTH
PRESS SN											STA. NAME/ID
PRI TEMP SN											
SEC TEMP SN											
PRI COND SN											
SEC COND SN											
NS	DEPTH	Roset.	Hydro Team-PMEI	Jessica	Weingartner	Sambrotto	Jen	Lomas	Moran	Harvey	Carin/
No	DESIRED	notes	SALT	Nut.Btl	O2-Btl.No	CHL.	Frac CHL.	DIC/AIk	DOC	018	Karin
											No.
1	12										1
2	12										2
3	12										3
4	12										4
5	12										5
6	12										6
7	12										7
8	12										8
9	12										9
10	12										10
11	12										11
12	12										12

ICE LOG: Surface Ice Conditions or proximity to ice edge

Rosette Notes:

VESSEL R/V Thomas G. Thompson		CRUISE ID TN249		PROJECT & LEG BEST/BSIERR_Spring10		Ship's CTD filename 249xxxY		STATION NO. 87					
CONSC CAST #	LATITUDE DEG MIN	LONGITUDE DEG MIN	TIME (GMT) DAY MO YR HR MIN	DRY BULB (*°C)	WET BULB (*°C)	PRESSURE (mb)	SEA STATE VISIBILITY	WIND DIRN.	WIND SPD.	CLOUD (amt)	WEATHER	BOTTOM DEPTH	STA. NAME/ID
1175525.88 N	16003.65 W	29 MAY 10 160504.3	.03	03	082	11	204	CN17	MAX. DEPTH =	m			
SBE 9+		FLUOR S/N											
PRESS SN		SBE43-Oxy (prime)											
PRI TEMP SN		SBE43-Oxy (sec)											
SEC TEMP SN		Transmissometer											
PRI COND SN		PAR S/N											
SEC COND SN		O2 Tmp Sensor No.											
NIS	DEPTH	Roset.	Hydro Team-PMEL	Jessica	Weingartner	Sambrotto	Jen	Lomas	Moran	Harvey	Carin/	Katrin	NIS
No	DESIRED	notes	SALT	Nut.Bt	02-Bri.No	CHL.	Frac CHL.	DOC	018	Urea	Part.	Prod	DON
1	32												
2	22												
3	17												
4	16												
5	11												
6	7												
7	4												
8	0												
9	0												
10													
11													
12													

Rosette Notes:

ICE LOG: Surface Ice Conditions or proximity to ice edge

Vessel R/V Thomas G. Thompson		Cruise ID TN249		Project & Leg BEST/BSIERR_Spring'10		Ship's CTD filename 249XXXX						Station No. 88							
Consc CAST #	Latitude	Longitude		Time (GMT)	Dry Bulb	Wet Bulb	Pressure	Wind Dirn.	Wind Spd.	Cloud Type	Weather	Bottom Depth	Sta. Name/ID						
deg	min	deg	min	Day	Mo	Yr	HR	Min	(°C)	(°C)	(mb)	*	*	(deg)	(kts)	*	*	(m)	
118	55	41	.83	N	167	18	31	W	29	MAY	10	2353	3.7	.	65	051	14	135	CN15
SBE 9+					FLUOR S/N														
PRESS SN					SBE43-Oxy (prime)														
PRI TEMP SN					SBE43-Oxy (sec)														
SEC TEMP SN					Transmissometer														
PRI COND SN					PAR S/N														
SEC COND SN					O2 Tmp Sensor No.														
NIS	DEPTH	Roset	Hydro Team-PMEI		Jessica	Weingartner	Sambarotto		Jen	Lomas	Moran	Harvey	Carin/	Katrin	NIS				
No	Desired	Notes	SALT	Nut.Btl	02-Btl.No	Chl.	Frac Chl..	DIC/AIk	DOC	018	Urea	Part.	Prod	DON		Th	Lessard	Sherri	No.
1	bottom	130 m	421	9	178						90								1
2	160			10															2
3	25			11															3
4	50			12	SB	SA	1												4
5	40			13		1	2	2											5
6	30			14		3	3	1											6
7	20			15		4	4	4											7
8	10			15		5	5	5											8
9	0			15		6	6	6											9
10																			10
11																			11
12																			12

ICE LOG: Surface Ice Conditions or proximity to ice edge

Rosette Notes:

7, 8 - pinched out O-rings badly leaking
6, 9, 4, 2 - leakers after vented

VESSEL R/V Thomas G. Thompson		CRUISE ID TN249		PROJECT & LEG BEST/BSEPP_Spring'10		Ship's CTD filename 249xxxxx 2 4 9 08901										STATION NO. 89		
CONSC CAST #	LATITUDE DEG MIN	LONGITUDE		TIME (GMT)			DRY BULB	WET BULB	PRESSURE	SEA STATE	WIND	WIND	CLOUD (amt)	BOTTOM	STA. NAME/ID			
		DEG	MIN	DAY	MO	YR	(°C)	(°C)	(mb)	*	(deg)	(kts)	*	(m)				
1	19 55.59	59.23	N	16 66.30	41	W	30	M A Y 1 0	325	2.4	.	04	4415	128	C N 13			
SBE 9+				FLUOR S/N												MAX. DEPTH =	m	
PRESS SN				SBE43-Oxy (prime)														
PRI TEMP SN				SBE53-Oxy (sec)														
SEC TEMP SN				Transmissometer														
PRI COND SN				PAR S/N														
SEC COND SN				O2 Tmp Sensor No.														
Nis	DEPTH	Roset	Hydro Team-PNEL			Jessica	Weingartner	Sambrotto	Jen	Lomas	Moran	Harvey	Canin/	Katrin	Nis			
No	DESIRED	notes	SALT	Nut.Btl	O2-Btl.No	CHL.	Frac CHL.	DOC/AIK	DOC	018	Urea	Part.	Prod	DON		Th	Lissard	No
1	Bottom	120m	422	16						92								1
2	100		17															2
3	75		18															3
4	50		19	SB	1													4
5	40		20		12													5
6	30		21		3													6
7	20		22		4													7
8	10		23		5													8
9	0		24	080	✓	6												9
10																		10
11																		11
12																		12

ICE LOC: Surface Ice Conditions or proximity to ice edge

Rosette Notes: 6, 7, 6, 2 leak upon cracking

VESSEL	CRUISE ID	PROJECT & LEG	Ship's CTD filename											STATION NO.	
			TN249 BEST/BSIERR_Spring10												
CONSC	CAST #	LATITUDE	LONGITUDE	TIME (GMT)	DRY BULB	WET BULB	PRESSURE	SEA STATE	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)		
120	56 16.65 N	16 54 20 08 W	30 MAY 10 07 56	02.8	03	03	103	0	049	17	0	093	CN	11	
SBE 9+				FLUOR S/N										MAX. DEPTH =	
PRESS SN				SBE43-Oxy (prime)											
PRT TEMP SN				SBE43-Oxy (sec)											
SEC TEMP SN				Transmissometer											
PRI COND SN				PAR S/N											
SEC COND SN				O2 Tmp Sensor No.											
NIS	DEPTH	Roset.	Hydro Team-PMEI_L	Jessica	Wingard	Sambrotto	Jen	Lomas	Moran	Harvey	Cainin/	Katrin	Nis		
NO	DESIRED	notes	SALT	NUT.Btl	02-BTLNO	CHL.	Frac CHL.	DIC/AIk	DOC	018	Urea	Part.	Prod	DON	
1	Bottom	85m	-423	-25	173	F088		/		-095				Th	
2	75		-26												1
3	50		-27												2
4	40		-28												3
5	30		-29												4
6	20		-30												5
7	10		-31												6
8	0		-32												7
9															8
10															9
11															10
12															11
															12

ICE LOG: Surface Ice Conditions or proximity to ice edge

Rosette Notes:

Waking:

No ice present

VESSEL		CRUISE ID TN249		PROJECT & LEG		Ship's CTD filename		STATION NO.					
R/V Thomas G. Thompson		TN249		BEST/BSIERP_Spring'10		249xxxxy		2 4 9 09/01					
CONSC CAST #	LATITUDE DEG MIN	LONGITUDE DEG MIN	DAY	MO	YR	HR	MIN	(°C)	WIND DIRN. (deg)	WIND SPD. (kts)	CLOUD TYPE	BOTTOM DEPTH (m)	STA. NAME/ID
12	15 62 S	5.49 N 165 18.28 W	30	MAY	10	10	45	03.11	03	05	42	3	84
SBE 9+													
PRESS SN													
PRI TEMP SN													
SEC TEMP SN													
PRI COND SN													
SEC COND SN		O2 Tmp Sensor No.											
NIS DEPTH	Roset.	Hydro Team-PMEL			Jessica	Weingartner	Sambrotto		Jen	Lomas	Moran	Harvey	Cain/ Katrin
No.	DESIRED notes	SALT	Nut/Btl	02-BTLNO	CHL.	Frac CHL.	DIC/AIK	DOC	018	Urea	Part.	Prod	No.
1	bottom	-475	-33	$\frac{16}{18}$	-7				-98				1
2	50	-34			LD 1		/						2
3	40	-35			LD 2								3
4	30	-36			LD 3		/						4
5	20	-37			LD 4								5
6	10	-38			LD 5				-99				6
7	10												7
8	0	-39			LD 6		/		-100				8
9													9
10													10
11													11
12													12

ICE LOG: Surface Ice Conditions or proximity to ice edge

no ice

Rosette Notes:

VESSEL R/V Thomas G. Thompson		CRUISE ID TN249		PROJECT & LEG BEST/BSIERP_Spring'10		Ship's CTD filename 249xxxxy		STATION NO. 92	
CONSC CAST #		DEG LATITUDE	MIN	DEG LONGITUDE	MIN	DAY	MO	YR	TIME (GMT)
SBE 9+									DRY BULB
PRESS SN									WET BULB
PRI TEMP SN									PRESSURE
SEC TEMP SN									SEA STATE
PRI COND SN									VISIBILITY
SEC COND SN									WIND DIRN.
NIS DEPTH	Roset.	Hydro Team-PMEI		Jessica	Weingartner	Samborotto		Jen	Wind SPD.
No DESIRED notes		SALT	Nut.Brl	02-Btl.No	CHL.	Frac CHL.	DIC/AIk	DOC	CLOUD (amt)
1 bottom		74	-426	-40	-563			/	WEATHER
2 50		-41						/	BOTTOM DEPTH
3 40		-42		2	2				STA. NAME/ID
4 30		-43		3	3	1	1		
5 20		-44		4	4				
6 10		-45		5	5				
7 0		-46		6	6	1	1		
8									
9									
10									
11									
12									

ICE LOG: Surface Ice Conditions or proximity to ice edge

Rosette Notes:

VESSEL R/V Thomas G. Thompson			CRUISE ID TN249			PROJECT & LEG BEST/BSI/RP Spring'10			Ship's CTD filename 249xxxv			STATION NO. 93				
CONSC CAST #																
			LATITUDE			LONGITUDE										
	DEG	MIN		DEG	MIN		DAY	MO	YR	TIME (GMT)	DRY BULB	WET BULB	PRESSURE			
										(°C)	(°C)	(mb)	SEA STATE			
										*	*	(deg)	VISIBILITY			
										*	*	(kts)	WIND DIRN.			
										*	*	(m)	CLOUD TYPE			
										*	*	m	WEATHER			
													BOTTOM DEPTH			
													STA. NAME/ID			
1	2	3	56	54.	66	16402.58	30	MAY	10	1730	2.9	.03	060	19	72	CWZ
SBE 9+						FLUOR SN										MAX DEPTH =
PRESS SN						SBE43-OXY (prime)										
PRI TEMP SN						SBE43-Oxy (sec)										
SEC TEMP SN						Transmissometer										
PRI COND SN						PAR SN										
SEC COND SN						O2 Tmp Sensor No.										
NIS	DEPTH	Roset.	Hydro Team-PMEI			Jessica	Weingartner	Sambrotto	Jen	Lomas	Moran	Harvey	Carin/ Katrin	Nis		
No	DESIRED	notes	SALT	Nut.Btl	02-Btl.No	CHL..	Frac CHL..	DIC/AIK	DOC	018	Urea	Part.	Prod	DON		
1	68		-428	-47	172	SB	1			104						Th
2	50		-48			2										
3	40		-49													
4	30		-50			3										
5	20		-51			4										
6	10		-52			5										
7	0		-53			6										
8																
9																
10																
11																
12																

ICE LOG: Surface Ice Conditions or proximity to ice edge

Rosette Notes:

VESSEL R/V Thomas G. Thompson		CRUISE ID TN249		PROJECT & LEG BEST/BSERP_Spring'10		Ship's CTD filename 249xxxx		STATION NO. 94											
CONSC CAST #		DEG	MIN	DEG	MIN	DAY	MO	YR	TIME (GMT)	DRY BULB	WET BULB	PRESSURE	SEA STATE	WIND	WIND	CLOUD (amt)	BOTTOM	STA. NAME/ID	
									(°C)	(°C)	(mb)	*	*	(deg)	(kts)	*	*	(m)	
1	24	57	07.	87	N	16	34	7.1	W	30	MAY	10	19	/8	2.9	.	04	061	18
SBE 9+									FLUOR S/N									MAX. DEPTH =	
PRESS SN									SBE43-OXY (prime)									m	
PRI TEMP SN									SBE43-Oxy (sec)										
SEC TEMP SN									Transmissometer										
PRI COND SN									PAR S/N										
SEC COND SN									O2 Tmp Sensor No.										
Nis	DEPTH	Roset.	Hydro Team-PMEI				Jessica		Weingartner	Sambrotto		Jen	Lomas	Moran	Harvey	Cann/	Katrin	Nis	
No	DESIRED	Notes	SALT	Nut.BR	02-BtlNo	CHL.	Frac CHL	DOC	018	Urea	Part.	Prod	DON			Th	Lessard	Sherr	No.
1	63		429	55															1
2	50.		56		SB1	SA1	/	/											2
3	40		57			1	2	2											3
4	30		58			3	3	1											4
5	25		59																5
6	25																		6
7	25																		7
8	25																		8
9	20		60			4	4												9
10	10		61			5	5												10
11	0		62			6	6	/											11
12	0		660																12

ICE LOG: Surface Ice Conditions or proximity to ice edge

2 - 6-11s pushed out on top, leaking out of water
4, 3, 5, 7, 8, 9 - leakers when pulled when pulled

Rosette Notes:

Vessel		CRUISE ID TN249		PROJECT & LEG		Ship's CTD filename		2 4 9 0 9501		STATION NO. 95				
R/V Thomas G. Thompson		TN249		BEST/BSEERP_Spring'10		249xxxxy								
CONSC CAST #	LATITUDE		LONGITUDE		TIME (GMT)		DRY BULB	WET BULB	PRESSURE	WIND DIRN.	WIND SPD.	CLOUD TYPE	BOTTOM DEPTH	STA. NAME/ID
	DEG	MIN	DEG	MIN	DAY	MO	YR	HR	MIN	(°C)	(°C)	(mb)	*	*
1255738.26	N	16316.77	W	31	MAY	10	0157	3	.4			04	049	15
SBE 9+														
PRESS SN														
PRI TEMP SN														
SEC TEMP SN														
PRI COND SN														
SEC COND SN														
Roset.		Hydro Team-PMEI		Jessica		Weingartner		Sambarotto		Jen	Lomas	Moran	Harvey	Carin/ Katriin
No.	DESIRED notes	SALT	Nut.Btl	02-Btl.No	CHL.	Frac CHL.	DIC/AIk	DOC	018	Urea	Part.	Prod	DON	Na.
1 Bottom	40m	430	63	242	LD1				110					1
2 30		64		2										2
3 20		65		3										3
4 10		66		4										4
5 0		67		5										5
6														6
7														7
8														8
9														9
10														10
11														11
12														12

ICE LOG: Surface Ice Conditions or proximity to ice edge

Rosette Notes:

2 - leaker out of water

3,4,5 - leakers when vented

VESSEL R/V Thomas G. Thompson	CRUISE ID TN249	PROJECT & LEG BEST/BSIERR_Spring'10	Ship's CTD filename 249xxx.y										STATION NO. 96								
			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	DAY	MO	YR	HR	MIN	(°C)	(°C)	(mb)	*	*	(deg)	(kts)	*	*	(m)		
			12	6	5	6	4	7	.3	0	N	16	3	5	7	.3	5	W	31	MAY 1 0 0 4 8 3.0 .0 0 4 4 0 4 3 1 8	
SBE 9+												FLUOR S/N									
PRESS SN												SBE43-Oxy (prime)									
PRI TEMP SN												SBE43-Oxy (sec)									
SEC TEMP SN												Transmissometer									
PRI COND SN												PAR S/N									
SEC COND SN												O2 Tmp Sensor No.									
Hydro Team-PMEL																					
NIS	DEPTH	Roset.	Jessica	Weingartner								Sambrotto	Jen	Lomas	Moran	Harvey	Carin/	Katrin	Nis		
No.	DESIRED	notes	SALT	Nut.Btl	02-Btl.No	CHL.	Frac CHL..	DIC/AIK	DOC	018	Urea	Part.	Prod	DON			Th	Lessard	Sherr	No.	
1	65		431	68	143			/	/											1	
2	50		69	SB	SA1	1	1													2	
3	40		70			2	2													3	
4	30		71			3	3	/	/											4	
5	20		72			4	4	/	/											5	
6	10		73			5	5													6	
7	0		74			6	6	/	/	115										7	
8																				8	
9																				9	
10																				10	
11																				11	
12																				12	

ICE LOG: Surface Ice Conditions or proximity to ice edge

Rosette Notes:

features: 2, 3, 4, 6, 7

VESSEL R/V Thomas G. Thompson	CRUISE ID TN249 TN249	PROJECT & LEG BEST/BSIERP_Spring'10	Ship's CTD filename 249xxxxy	STATION NO.												
				2 4 9 09701 97												
CONSC CAST #	DEG	MIN	DEG	MIN	DAY	MO	YR	HR	MIN	TIME (GMT)	DRY BULB	WET BULB	PRESSURE	SEA STATE	WIND DIRN.	WIND SPD.
										(°C)	(°C)	(mb)	*	(deg)	CLOUD (amt)	
										(°C)	(°C)	(mb)	*	(kts)	*	WEATHER
/ 27 50 50 . 74 N	164 04 . 42 W	31 MAY 10	0851	3.3	.04	048	18	73	70	M2						BOTTOM DEPTH
SBE 9+	FLUOR S/N	SB43-Oxy (prime)	SBE43-Oxy (sec)	Transmissometer	O2 Tmp Sensor No.											STA. NAME/ID
PRESS SN																MAX DEPTH =
PRI TEMP SN																m
SEC TEMP SN																
PRI COND SN																
SEC COND SN																
NIS	DEPTH	Roset.	Hydro Team-PMEL				Jessica	Weingartner	Sambrotto	Jen	Lomas	Moran	Harvey	Camir'	Katrin	NIS
No.	DESIRED	notes	SALT	Nut.Btl	02-Btl.No	CHL.	Frac CHL.	DIC/ALK	DOC	018	Urea	Part.	Prod	DON		No.
1	Bottom	432	75							116						1
2	61	76,77,78	-3 nts for TSus							1,2,3 - nts for TSus-Dan						2
3	50	79				SB1										3
4	40		80			2										4
5	30		81			3										5
6	20		82			4										6
7	12		83,84,85	- 3 nts for TSus				4,5,6 - nts for TSus for Dan		10,11,12 - f. hard						7
8	10		86			SB5		117								8
9	0		87			↓ 6		118								9
10																10
11																11
12																12

ICE LOG: Surface Ice Conditions or proximity to ice edge

no ice

lots of jilles

Rosette Notes:

Decks: 2, 3, 4, 5, 6, 7, 8,
9 (break ever before cracking)

VESSEL	CRUISE ID	PROJECT & LEG	Ship's CTD filename										STATION NO.					
			BEST/BSIERP_Spring'10		249xxxxy		2 4 9		D9801		98							
CONSC CAST #	LATITUDE		LONGITUDE		TIME (GMT)			DRY BULB	WET BULB	PRESSURE	SEA STATE	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)	*	*
1	28	56	50	.02	N	164	18	.87	W	31	MAY	10	1001	2.8	.	04	038	18
SBE 9+										FLUOR SN								
PRESS SN										SBE43-Oxy (prime)								
PRI TEMP SN										SBE43-Oxy (sec)								
SEC TEMP SN										Transmissometer								
PRI COND SN										PAR S/N								
SEC COND SN										O2 Temp Sensor No.								
Nis	DEPTH	Roset.	Hydro Team-PMEL			Jessica			Weingartner	Sambrotto		Jen	Lomas	Moran	Harvey	Cain/V	Katin	
No	DESIRED	notes	SALT	Nut.Btl	02-Btl.NO	CHL.	Frac CHL..	DIC/AIK	DOC	018	Urea	Part.	Prod	DON	Th	Lessard	Sher	No.
1	Bottom	15m	433	88	144					119								1
2	50																	2
3	40																	3
4	30																	4
5	20																	5
6	10																	6
7	0																	7
8																		8
9																		9
10																		10
11																		11
12																		12

ICE LOG: Surface Ice Conditions or proximity to ice edge

No ice

Rosette Notes:

All bottles leaking

VESSEL RV Thomas J. Thompson		CRUISE TN249		PROJECT & LEG BESTIESIERP Spring, 0		Ship's CTD filename 249xxxx		STATION NO. 99																			
CONSC CAST #	LATITUDE		LONGITUDE		TIME (GMT)		DRY BULB	WET BULB	PRESSURE (mb)	SEA STATE * * (deg)	WIND DIRN.	WIN D CLOUD TYPE	BOTTOM DEPTH	STA. NAME/ID													
	DEG	MIN	DEG	MIN	DAY	MO	YR	Hr	Min	(°C)	(°C)	(mb)	*	*	(m)												
12956	51	.37	N	16430	.29	W	31	MAY	10	1126	3.2	03	047	19	73	70M4											
SBE 9+										FLUOR SN																	
PRESS SN										SBE43-Oxy (prime)																	
PRI TEMP SN										SBE43-Oxy (sec)																	
SEC TEMP SN										Transmissometer																	
PRI COND SN										PAR SN																	
SEC COND SN										O2 Tmp Sensor No.																	
Nis		Depth		Roset.		Hydro Team-PMEL		Jessica		Weingartner		Sambrotto		Jen		Lomas		Moran		Harvey		Carin/		Katrin		Nis	
No.	Desired	Notes	SALT	Nut.BH	O2-BH No.	CHL.	Frac CHL	DIC/ALK	DOC	O18	Urea	Part.	Prod	DON		Th	Lessard	Sherr		No.							
1	65		434	95																1							
2	50		96			SBI	SA1													2							
3	40		97			2	1	2	/											3							
4	30		98			3	1	3												4							
5	20		99			4	✓	4	/											5							
6	12																			6							
7	12																			7							
8	12																			8							
9	12			100																9							
10	12																			10							
11	10		101			8		55	1	123										11							
12	6		102			6		SAB	1	124										12							

ICE LOG: Surface Ice Conditions or proximity to ice edge

Rosette Notes:

9+5 did not leak when cracked

Too many holes to take O₂ samples

VESSEL RV Thomas G. Thompson		CRUISE TN249		PROJECT & LEG BEST/BSIERP Spring 10		Ship's CTD filename 249xxxx						STATION NO. 99					
CONSC CAST #	LATITUDE	LONGITUDE				TIME (GMT)	DRY BULB	WET BULB	PRESSURE (mb)	SEA STATE * * (deg)	WIND DIRN. (kts)	WIN D CLOUD (an TYPE WEATHER	BOTTOM DEPTH (m)	STA. NAME/ID			
DEG	MIN	DEG	MIN	DAY	MO	YR	HR	MIN	(°C)	(°C)	(mb)	*	*	*	*		
130	56	51	.18	N	16	43	0.	34	W	31	MAY	10	14	33	2.5	.	04
SBE 9+									FLUOR SN								MAX. DEPTH =
PRESS SN									SBE43-Oxy (prime)								m
PRI TEMP SN									SBE43-Oxy (sec)								
SEC TEMP SN									Transmissometer								
PRI COND SN									PAR SN								
SEC COND SN									O2 Tmp Sensor No.								
Nis	DEPTH	Roset.	Hydro Team-PMEL		Jessica		Weingartner		Sambrotto		Jen	Lomas	Moran	Harvey	Carin/ Katrin	Nis	
No.	DESIRED notes	SALT	NUT.BU	O2-BU.No	CHL	Frac CHL	DIC/AIK	DOC	O18	Urea	Part.	Prod	DON				
1	15															1	
2	15															2	
3	15															3	
4	15															4	
5	15															5	
6	15															6	
7	15															7	
8	15															8	
9	15															9	
10	15															10	
11	15															11	
12	15								103							12	

ICE LOG: Surface Ice Conditions or proximity to ice edge

Rosette Notes:

Lukens: all except 5 & 12

VESSEL R/V Thomas G. Thompson		CRUISE TN249		PROJECT & LEG BESTIESERP Spring 10		Ship's CTD filename 249xxxx		STATION NO. 99									
CONSC CAST #	LATITUDE	LONGITUDE		TIME (GMT)	DRY BULB	WET BULB	PRESSURE (mb)	SEA STATE VISIBILITY	WIND DIRN.	WIN D SPD. (kts)	CLOUD (an TYPE WEATHER	BOTTOM DEPTH (m)	STA. NAME/ID				
DEG	MIN	DEG	MIN	DAY	MO	YR	HR	MIN	(°C)	(°C)	(mb)	*	*	*	*	*	(m)
13	56 51 . 22 N	164 30 . 33 W	31 MAY 10	1600	2.6	-0.3	083	13	73	70	14						
SBE 9+				FLUOR SN													MAX. DEPTH =
PRESS SN				SBE43-Oxy (prime)													
PRI TEMP SN				SBE43-Oxy (sec)													
SEC TEMP SN				Transmissometer													
PRI COND SN				PAR SN													
SEC COND SN				O2 Temp Sensor No.													
Nis	DEPTH	Roset.	Hydro Team-PMEL				Jessica	Weingartner	Sambrotto	Jen	Lomas	Moran	Harvey	Carin/	Katrin	Nis	
No.	DESIRED	holes	SALT	Nut.Bil	O2-Bil, No	CHL. Frac CHL	DIC/Alk	DOC	O18	Urea	Part.	Prod	DON				
1	33												1.5 - 7			1	
2	33															2	
3	33																3
4	21												5 - 6	Per-1			4
5	14												9 - 5				5
6	10												17 - 4				6
7	7												30 - 3				7
8	4												55 - 2				8
9	0												100 - 2	Per-2			9
10	0																10
11																	11
12																	12

ICE LOG: Surface Ice Conditions or proximity to ice edge

Rosette Notes:

5 leading us away out of water!

VESSEL RV Thomas G. Thompson		CRUISE TN249		PROJECT & LEG BEST/BIERP Spring 10		Ship's CTD filename 249xxxx		STATION NO. 100												
CONSC CAST #	LATITUDE	LONGITUDE		TIME (GMT)	DRY BULB	WET BULB	PRESSURE (mb)	SEA STATE VISIBILITY	WIND DIRN.	WIN D	CLOUD (an)	WEATHER	BOTTOM DEPTH	STA. NAME/ID						
DEG	MIN	DEG	MIN	DAY	MO	YR	Hr	°C	°C	(mb)	*	*	(deg)	(kts)	*	(m)				
132	56	54	.50	N	164	49	.66	7	W	31	MAY	10	1905	2.9	.	04	062	8		7370M5
SBE 9+																				
PRESS SN																				
PRI TEMP SN																				
SEC TEMP SN																				
PRI COND SN																				
SEC COND SN																				
Nis	DEPTH	Roset.																		
No.	DESIRED	notes	SALT	Nut.Bu	O2-Bu.No	CHL	Frac CHL	DIC/AIK	DOC	O18	Urea	Part.	Prod	DON	Jen	Lomas	Moran	Harvey	Carin/	Katrin
1	68		435	104	144															No.
2	50		105	SB1																1
3	40		106	12																2
4	30		107	3																3
5	20		108	4																4
6	10		109	5																5
7	0		110	6																6
8																				7
9																				8
10																				9
11																				10
12																				11
																				12

ICE LOG: Surface Ice Conditions or proximity to ice edge

no ice

Rosette Notes:

All bottles blank except 1

VESSEL R/V Thomas G. Thompson		CRUISE TN249		PROJECT & LEG BEST/BSSIERP Spring '10		Ships CTD filename 249xxxx		STATION NO. 101						
CONSC CAST #	LATITUDE	LONGITUDE		TIME (GMT)	DRY BULB	WET BULB	PRESSURE (mb)	SEA STATE	WIN D SPD.	CLOUD (an)	WIND DIRN.	BOTTOM DEPTH	STA. NAME/ID	
DEG	MIN	DEG	MIN	DAY	MO	YR	HR	VISIBILITY (°C)	(deg)	(kts)	*	*	(m)	
133	56 51.55	N	165 07.39	W	31	MAY	10	2033	2.5	.	03	03609	74	
SBE 9+													70m6	
PRESS SN														
PRI TEMP SN														
SEC TEMP SN														
PRI COND SN														
SEC COND SN														
NIS	DEPTH	Reset.	Hydro Team-PMEL				Jessica	Weingartner	Sambrotto	Jen	Lomas	Moran	Harvey	Carlin/ Katin
No.	DESIRED	notes	SALT	Nut.Btl	O2-Btl.No	CHL..	Frac CHL	DIC/ALK	DOC	O18	Urea	Part.	Prod	DON
1	69m	b1m	-43.7	-111						-125				
2	50		-112		SBL									1
3	40		-113		2									2
4	30		-114		3									3
5	20		-115		4									4
6	10		-116		5					-126				5
7	0		-117	239	6									6
8														7
9														8
10														9
11														10
12														11
														12

ICE LOG: Surface Ice Conditions or proximity to ice edge

Rolette Notes: Ladders: 2,3,4,5,6,7 after crashing

Vessel R/V Thomas G. Thompson		CRUISE TN249		PROJECT & LEG BESTIESRP Spring'10		Ship's CTD filename 249xxxx		STATION NO. 102										
CONSC CAST #	LATITUDE	DEG	MIN	DEG	MIN	DAY	MO	YR	TIME (GMT)	DRY BULB	WET BULB	PRESSURE (mb)	SEA STATE DIRN.	WIND D SPD. (kts)	WIN D CLOUD TYPE	WEATHER	BOTTOM DEPTH (m)	STA. NAME/ID
1	34° 56' 59.6" N	165	22.64	W	31	MAY	10	2207	2.6	.04	031	17	72	70	WT	70M7		
SBE 9+																		
PRESS SN																		
PRI TEMP SN																		
SEC TEMP SN																		
PRI COND SN																		
SEC COND SN																		
Nis	DEPTH	Roset.		Hydro Team-PMEL		Jessica	Weingartner	Sambrotto	Jen	Lomas	Moran	Harvey	Carin/	Katrin	Nis			
No.	DESIRED	Notes	SALT	Nut.Btl	O2-Btl.No	CHL.	Frac CHL	DIC/AK	DOC	O18	Unsea	Part.	Prod	DON				
1	67m	Bthm															1	
2	50		436		118		SB1	SA1									2	
3	40					119		2									3	
4	30					120		3									4	
5	20					121		4									5	
6	10					122		5									6	
7	0					123		6									7	
8																	8	
9																	9	
10																	10	
11																	11	
12																	12	

ICE LOG: Surface Ice Conditions or proximity to ice edge

Rosette Notes: BH 1 has pinched O-ring = no good!
3, 4, 5, 7 leaked once cracked

VESSEL R/V Thomas G. Thompson		CRUISE TN249 TN249		PROJECT & LEG BESTIESIERP Spring'10		Ship's CTD filename 249xxxxx 2 4 9 0301								STATION NO. 103	
CONSC CAST #		LATITUDE	LONGITUDE	TIME (GMT)	DRY BULB	WET BULB	PRESSURE	SEA STATE	WIND DIRN.	WIN D	CLOUD (an)	WEATHER	BOTTOM DEPTH	STA. NAME/ID	
DEG	MIN	DEG	MIN	DAY	MO	YR	(°C)	(°C)	(mb)	*	*	(deg)	(kts)	*	(m)
135	57	06.46	N	165	36.77	9W	31	MAY	10	2342	3.6	03	0126	70	70 M8
SBE 9+				FLUOR SN											MAX. DEPTH =
PRESS SN				SBE43-Oxy (prime)											
PRI TEMP SN				SBE43-Oxy (sec)											
SEC TEMP SN				Transmissometer											
PRI COND SN				PAR SN											
SEC COND SN				O2 Temp Sensor No.											
Nis	DEPTH	Roset.		Hydro Team-PMEL	Jessica	Weingartner	Sambrotto	Jen	Lomas	Moran	Harvey	Carin/	Katrin	Nis	
No.	DESIRED	Notes	SALT	Nut.BH	O2-BH.No	CHL	Frac CHL	DIC/ALK	DOC	O18	Urea	Part.	Prod	DON	
1	166	Bthm	439	124	208										1
2	50			125		SB1									2
3	40			126		2									3
4	30			127		3									4
5	20			128		4									5
6	10			129		5									6
7	0	Bay Leker													7
8															8
9															9
10															10
11															11
12															12

ICE LOG: Surface Ice Conditions or proximity to ice edge

Rosette Notes:

7 - 1 borer out of water
6, 5, 4, 3, 2 leached once cracked

VESSEL RV Thomas G. Thompson	CRUISE TN249	PROJECT & LEG BEST/BSIERP Spring'10	Ship's CTD filename 249xxxxx										STATION NO. 104					
			CONSC CAST #	DEG MIN	DEG MIN	DAY MO	HR MIN	TIME (GMT)	DRY BULB WET BULB	PRESSURE (mb)	SEA STATE VISIBILITY	WIND DIRN.	WIN D SPD	CLOUD TYPE	BOTTOM DEPTH	STA. NAME/ID		
			1	36	57	15	.6	2 N	16544.8°3W	01	JUN 10	110	3.1	04	035	06	6976M19	
	SBE 9+																	
PRESS SN									FLUOR SN									
PRI TEMP SN									SBE43-Oxy (prime)									
SEC TEMP SN									SBE43-Oxy (sec)									
PRI COND SN									Transmissometer									
SEC COND SN									PAR SN									
Nis	DEPTH	Roset.	Hydro Team-PMEL			Jessica			Weingartner	Sambrotto			Jen	Lomas	Moran	Harvey	Carin/ Katin	Nis
No.	DESIRED	notes	SALT	Nut.BH	O2-BL.No	CHL.	Frac CHL	DIC/Ak	DOC	O18	Urea	Part.	Prod	DON				No.
1	Bott	60m	440	131	1182													1
2	SD ~			132		SB1												2
3	4D			133		17												3
4	3D			134		13												4
5	2D			135		14												5
6	1D			136		15												6
7	Surface			137		16												7
8																		8
9																		9
10																		10
11																		11
12																		12

ICE LOG: Surface Ice Conditions or proximity to ice edge

Rosette Notes: 7, 6, 5, 4, 3 leak after cracked

2 - look for fracture

VESSEL R/V Thomas J. Thompson		CRUISE TN249		PROJECT & LEG BEST/BIERP Spr., '00		Ship's CTD filename 249xxxx		2 4 9 /D501		STATION NO. 05											
CONSC CAST #	LATITUDE	DEG	MIN	DEG	MIN	DAY	MO	YR	HR	MIN	(°C)	TIME (GMT)	DRY BULB	WET BULB	PRESSURE (mb)	SEA STATE VISIBILITY	WIND DIRN.	WIN D CLOUD TYPE	WEATHER	BOTTOM DEPTH	STA. NAME/ID
		DEG	MIN								(°C)			*	*	(deg)	(kts)	*	*	(m)	
1	37 57 19.2 N	16 60 0.68 W	01 JUN 10 0235	3.9	.03	31 604	68	76	N10												
SBE 9+				FLUOR SN																	
PRESS SN				SBE43-Oxy (prime)																	
PRI TEMP SN				SBE43-Oxy (sec)																	
SEC TEMP SN				Transmissometer																	
PRI COND SN				PAR SN																	
SEC COND SN				O2 Temp Sensor No.																	
Nis	DEPTH	Roset.	Hydro Team-PMEL				Jessica				Weingartner	Sambrutto				Jen	Lomas	Moran	Harvey	Cain/	Katrin
No.	DESIRED	notes	SALT	Nut.BH	O2-BH No	CHL.	Frac CHL	DIC/AIK	DOC	O18	Urea	Part.	Prod	DON		Th	Lessard	Sherr		No.	Nis
1	60	Btm	441	138																	1
2	50		139		SB1	SA1															2
3	40		140		12	2															3
4	30		141		13	3															4
5	20		142		14	4															5
6	10		143		15	5															6
7	0		144		16	6															7
8																					8
9																					9
10																					10
11																					11
12																					12

ICE LOG: Surface Ice Conditions or proximity to ice edge

Rosette Notes:

2 - lockers out of water
7, 6, 5, 4, - leakers when vented

VESSEL RV Thomas G. Thompson	CRUISE TN249 TN249	PROJECT & LEG BEST/BSIERP Spring'10	Ship's CTD filename		STATION NO. 10601		
			249xxxx	2 4 9			
CONSC CAST #	LATITUDE	LONGITUDE	TIME (GMT)	DRY BULB WET BULB	PRESSURE (mb)	WIND DIRN.	WIN D
DEG	MIN	DEG	MIN	DAY	MO	HR	CLOUD (an)
1 3 8 5 7	1 9 . 2 7 N	1 6 6 1 9 . 4 5 W	0 1 J U N 1 0	0 4 1 5	4 . 8	0 3	WEATHER
SBE 9+				FLUOR SN			BOTTOM
PRESS SN				SBE43-Oxy (prime)			STA. NAME/ID
PRI TEMP SN				SBE43-Oxy (sec)			
SEC TEMP SN				Transmissometer			
PRI COND SN				PAR SN			
SEC COND SN				O2 Tmp Sensor No.			
Nis	DEPTH	Roset.	Hydro Team-PMEL		Jessica	Weingartner	Sambrotto
No.	DESIREC notes	SALT	Nut.BH	O2-BH.No	CHL	Frac CHL	DIC/ALK
1	60m Blm	-	-	-	-	-	-
2	50	-	-	-	-	-	-
3	40	-	-	-	-	-	-
4	30	-	-	-	-	-	-
5	20	-	-	-	-	-	-
6	10	-	-	-	-	-	-
7	0	44.2	150	16	-	137	-
8						138	
9							
10							
11							
12							

ICE LOG: Surface Ice Conditions or proximity to ice edge

Rosette Notes:

- 1 - pushed out O-ring - no samples
- 2,3,4,5,6,7 - leaks when vented

VESSEL R/V Thomas G. Thompson		CRUISE TN249		PROJECT & LEG BESTBSIERP Spring'10		Ship's CTD filename 249xxxx		STATION NO.							
CONSC CAST #	LATITUDE	LONGITUDE		TIME (GMT)	DRY BULB	WET BULB	PRESSURE (mb)	SEA STATE •	WIND DIRN. (deg)	WIN D CLOUD (an)	WEATHER TYPE	BOTTOM DEPTH (m)	STA. NAME/ID		
DEG	MIN	DEG	MIN	DAY	MO	YR	HR MIN	• (°C)	• (°C)	• (mb)	• (deg)	• (kts)	• (m)		
1	39 57	26.24	N	16 63	0.74	W	01 JUN 10	0530	3.5	63	326	12	69	70 M12	
SBE 9+				FLUOR SN										MAX. DEPTH =	
PRESS SN				SBE43-Oxy (prime)											
PRI TEMP SN				SBE43-Oxy (sec)											
SEC TEMP SN				Transmissometer											
PRI COND SN				PAR SN											
SEC COND SN				O2 Temp Sensor No.											
Nis		Roset.		Hydro Team-PMEL		Jessica		Weingartner		Sambrotto		Jen		Lomas	
No.	DESIREC holes	SALT	Nut.BH	O2-BH No.	CHL.	Frac CHL	DIC/Aik	DOC	O18	Urea	Part.	Prod	DON		
1	65 Bim	443	151	✓ 196					✓ 139						
2	50	✓ 152		SB 1											1
3	40	✓ 153		✓ 12											2
4	30	✓ 154		✓ 3											3
5	20	✓ 155		✓ 4											4
6	10	✓ 156		✓ 5					✓ 140						5
7	0	✓ 157		✓ 6											6
8															7
9															8
10															9
11															10
12															11
															12

ICE LOG: Surface Ice Conditions or proximity to ice edge

Rosette Notes: 2,4,5,7 leaking when cracked

3,6 drip minorly when cracked

VESSEL RV Thomas G. Thompson		CRUISE TN249		PROJECT & LEG BEST/BSIERP Spring'10		Ship's CTD filename 249xxxx		STATION NO. 10801						
CONSC CAST #	LATITUDE	LONGITUDE		TIME (GMT)	DRY BULB	WET BULB	PRESSURE (mb)	SEA STATE (deg)	WIND DIRN.	WIN D (kts)	CLOUD (an)	WEATHER	BOTTOM DEPTH	STA. NAME/ID
140	57	25.75	N	166 48.64	W01	JUN 100	650	2.3	.	03	338	11	70	70 N 13
SBE 9+				FLUOR S/N										
PRESS SN				SBE43-Oxy (prime)										
PRI TEMP SN				SBE43-Oxy (sec)										
SEC TEMP SN				Transmissometer										
PRI COND SN				PAR S/N										
SEC COND SN				O2 Tmp Sensor No.										
Nis	DEPTH	Reset.		Hydro Team-PMEL	Jessica	Weingartner	Sambrotto	Jen	Lomas	Moran	Harvey	Carin/	Katrin	Nis
No.	DESIRED	notes	SALT	Nut.Btl	O2-Btl.No	CHL.	Frac CHL	DICAIAK	DOC	O18	Unca	Part.	Prod	DON
1	65	btm ~445	158											1
2	50		159	SB	SA1									2
3	40		160			12	2			142				3
4	30		161			3	3							4
5	20		162			4	4							5
6	10		163			5	5			143				6
7	0		164			6	6			144				7
8														8
9														9
10														10
11														11
12														12

ICE LOG: Surface ice conditions or proximity to ice edge

Rosette Notes: 7, 6, 5, 4, 3, 2 - leakers when vented

VESSEL R/V Thomas J. Thompson		CRUISE TN249		PROJECT & LEG BEST/BSIERP Spri., 0		Ship's CTD filename 249xxxxy		TIME (GMT)		DRY BULB		WET BULB		PRESSURE (mb)		SEA STATE (deg)		WIND DIRN.		WIN D SPD.		CLOUD (an TYPE		BOTTOM DEPTH		STA. NAME/ID		STATION NO.			
CONSC CAST #	LATITUDE		LONGITUDE		DEG	MIN	DEG	MIN	DAY	MO	YR	HR	MIN	(°C)	(°C)	(mb)	*	*	(deg)	(kts)	*	*	(m)								
141	57	31.32 N	167	02.21 W	01	JUN	10	0820	22	.03	338	16																			
SBE 9+																															
PRESS SN																															
PRI TEMP SN																															
SEC TEMP SN																															
PRI COND SN																															
SEC COND SN																															
Nis	DEPTH	Roset.	Hydro Team-PMEL		Jessica		Weingartner		Sambrotto		Jen	Lomas	Moran	Harvey	Carin'	Katrin	Nis														
No.	DESIRED	notes	SALT	Nut.BI	O2-BI	BI No.	CHL.	Frac CHL	DIC/AK	DOC	O18	Urea	Part.	Prod	DON																
1	65		446	165	147											145															1
2	50		166																											2	
3	40			167																									3		
4	30						168	3																				4			
5	20						169		4																			5			
6	10						170		5																			6			
7	0						171		6																			7			
8																													8		
9																													9		
10																													10		
11																													11		
12																													12		

ICE LOG: Surface Ice Conditions or proximity to ice edge

NO 14

Rosette Notes:

Boat 1 only non-dealer

VESSEL R/V Thomas G. Thompson		CRUISE TN249		PROJECT & LEG BEST/BSIERP Spring 10		Ship's CTD filename 249xxxy		TIME (GMT)		DRY BULB		WET BULB		PRESSURE (mb)		SEA STATE (deg)		WIND DIRN.		WIN D SPD		CLOUD (an) TYPE		BOTTOM DEPTH		STA. NAME/ID		STATION NO.	
CONSC CAST #	LATITUDE	DEG	MIN	DEG	MIN	DAY	MO	YR	HR	MIN	(°C)	(°C)	(mb)	*	*	(deg)	(kts)	*	*	(m)									
1425729.95 N	16720.53 W	01	JUN	10	0948	0	.7	.	04		350	23								72	70	M15							
SBE 9+				FLUOR S/N																									
PRESS SN				SBE43-Oxy (prime)																									
PRI TEMP SN				SBE43-Oxy (sec)																									
SEC TEMP SN				Transmissometer																									
PRI COND SN				PAR SN																									
SEC COND SN				O2 Tmp Sensor No.																									
Nis	DEPTH	Roset.	Hydro Team-PMEL				Jessica				Weingartner				Sambrotto				Jen	Lomas	Moran	Harvey	Carin/	Katrin	Nis				
No.	DESIRED	notes	SALT	Nut.Btl	O2-Btl No	CHL.	Frac CHL	DIC/ALK	DOC	O18	Urea	Part.	Prod	DON					Th	Lessard	Shear		No.						
1	65		447	172	197																							1	
2	50		173																									2	
3	40		174																									3	
4	30		175																									4	
5	20		176																									5	
6	10		177																									6	
7	0		178																									7	
8																												8	
9																												9	
10																												10	
11																												11	
12																												12	

ICE LOG: Surface ice conditions or proximity to ice edge

no ice

Rosette Notes:

Bottle 1 & 4 not sicking

VESSEL R/V Thomas G. Thompson		CRUISE TN249		PROJECT & LEG BEST/BSIERP Spring '10		Ship's CTD filename 249xxxx		STATION NO. 111									
CONSC CAST #	LATITUDE	LONGITUDE		TIME (GMT)	DRY BULB	WET BULB	PRESSURE (mb)	SEA STATE VISIBILITY	WIND DIRN.	WIN D SPD TYPE	BOTTOM DEPTH	STA. NAME/ID					
DEG	MIN	DEG	MIN	DAY	MO	YR	HR	MIN	(°C)	(°C)	(mb)	*	(deg)	(kts)	*	*	(m)
1435730	.00 N	16240	.16 W	01	JUN	10	140	-0.8	04	360	26		72	70	M/6		
SBE 9+																MAX. DEPTH =	
PRESS SN																	
PRI TEMP SN																	
SEC TEMP SN																	
PRI COND SN																	
SEC COND SN																	
Nis	DEPTH	Roset.	Hydro Team-PMEL	Jessica	Weingartner	Sambrotto	Jen	Lomas	Moran	Harvey	Carin/	Katrin	Nis				
No.	DESIRED notes	SALT	NuLBH	O2-Btl.No	CHL	Frac CHL	DIC/ALK	DOC	O18	Urea	Part.	Prod	DON	Th	Lessard	Shatt	No.
1	64	448	179						148								1
2	50	180		L01	LCL												2
3	40	181		2	2												3
4	30	182		3	3												4
5	20	183		4	4												5
6	20																6
7	20																7
8	10	184	5	5					149								8
9	0	185	175	6	6				150								9
10																	10
11																	11
12																	12

ICE LOG: Surface Ice Conditions or proximity to ice edge

ice

Rosette Notes:

Profile 9 only non-leader

VESSEL R/V Thomas G. Thompson		CRUISE TN249		PROJECT & LEG BEST/BSIERP Spring 10		Ship's CTD filename 249xxxx		STATION NO. 112									
CONSC CAST #	LATITUDE	LONGITUDE		TIME (GMT)	DRY BULB	WET BULB	PRESSURE (mb)	SEA STATE DIRN.	WIND D SPD.	WIN CLOUD (an) TYPE	BOTTOM DEPTH	STA. NAME/ID					
DEG	MIN	DEG	MIN	DAY	MO	YR	HR	MIN	(deg)	(m)	*	*					
14457	30.04	N	16259	14	W	01	JUN	10	1340	-1.4	04	002	27				
SBE 9+																	
PRESS SN																	
PRI TEMP SN																	
SEC TEMP SN																	
PRI COND SN																	
SEC COND SN																	
Nis	DEPTH	Roset.	Hydro Team-PMEL			Jessica			Weingartner	Sambrotto	Jen	Lomas	Moran	Harvey	Carin/ Katrin	Nis	
No.	DESIRED	notes	SALT	Nut.BH	O2-Btl.No.	CHL. Frac	CHL DIC/Ak	DOC	O18	Urea	Part.	Prod	DON	Th	Lessard	Sherr	No.
1	67		449	186	107											1	
2	50			1		SBE										2	
3	40				2											3	
4	30					3										4	
5	20						4									5	
6	10							5								6	
7	0								6							7	
8																8	
9																9	
10																10	
11																11	
12																12	

ICE LOG: Surface Ice Conditions or proximity to ice edge

ND 100

Rosette Notes:

1 + 3 not decked

VESSEL RV Thomas G. Thompson		CRUISE TN249		PROJECT & LEG BEST/BIERP Spring 10		Ship's CTD filename 249xxxx		STATION NO. 113									
CONSC CAST #	LATITUDE	LONGITUDE		TIME (GMT)	DRY BULB	WET BULB	PRESSURE (mb)	SEA STATE VISIBILITY	WIND DIRN.	WIN D	CLOUD (am)	WEATHER	BOTTOM DEPTH	STA. NAME/ID			
DEG	MIN	DEG	MIN	DAY	MO	YR	HR	MIN	(°C)	(°C)	(mb)	*	(deg)	(kts)	*	(m)	
145	6731.19	16818.29	W	01	JUN	10	15	19	-1.3	.05	005	28		72	70M/8		
SBE 9+																	
PRESS SN																	
PRI TEMP SN																	
SEC TEMP SN																	
PRI COND SN																	
SEC COND SN																	
Nis	DEPTH	Roset.	Hydro Team-PMEL				Jessica	Weingartner	Sambrotto	Jen	Lomas	Moran	Harvey	Carin/ Sheriff	Katrin	Nis	
No.	DESIRED	notes	SALT	Nut.BH	O2-BH No.	CHL.	Frac CHL	DICAK	DOC	O18	Urea	Part.	Prod	DON	Th	Lessard	No.
1	68		450	7													1
2	50		8			SB1											2
3	40		9			2											3
4	30		10			3											4
5	20		11			4											5
6	10		12			5											6
7	0		13			6											7
8																	8
9																	9
10																	10
11																	11
12																	12

ICE LOG: Surface Ice Conditions or proximity to ice edge

Rosette Notes:

10 not breathing
No oxygen

VESSEL
RV Thomas G. Thompson

CRUISE TN249

PROJECT & LEG
BEST/BSIERP Spring '10

Ship's CTD filename
249xxxx

TIME
(GMT)

STATION NO.
/19

CONSC CAST #	LATITUDE		LONGITUDE		TIME (GMT)	DRY BULB	WET BULB	PRESSURE (mb)	SEA STATE VISIBILITY	WIND DIRN.	WIN D SPD. (kts)	CLOUD TYPE (an)	WEATHER	BOTTOM DEPTH	STA. NAME/ID
	DEG	MIN	DEG	MIN											
1465731	.46	N	16836	.85	W	01	JUN	10	1653-1.4	.	.	359	27	719	20m19
SBE 9+															
PRESS SN															
PRI TEMP SN															
SEC TEMP SN															
PRI COND SN															
SEC COND SN															
Nis	DEPTH	Roset.	Hydro Team-PMEL				Jessica	Weingartner	Sambrutto	Jen	Lomas	Moran	Harvey	Carin/	Katrin
No.	DESIRED	notes	SALT	Nut.Btl	O2-Btl.No.	CHL.	Frac CHL	DICIAK	DOC	O18	Unsea	Part.	Prod	Don	No.
1	68		45	14	231										1
2	50		15	SB	1	SA	1								2
3	40		16	12	1	2	1	2							3
4	30		17	13	1	3	1	3							4
5	20		18	4	1	4	1	4							5
6	10		19	5	1	5	1	5							6
7	0		20	6	1	6	1	6							7
8															8
9															9
10															10
11															11
12															12

ICE LOG: Surface Ice Conditions or proximity to ice edge

Rosette Notes:

145 not packing

VESSEL R/V Thomas G. Thompson		CRUISE ID TN249		PROJECT & LEG BEST/BSIERR_Spring'10		Ship's CTD filename 249xxxx		STATION NO. 115										
CONSC CAST #		DEPTH	LATITUDE	LONGITUDE	TIME (GMT)	DRY BULB	WET BULB	PRESSURE	SEA STATE VISIBILITY	WIND DIRN.	WIND SPD.	CLOUD TYPE	WEATHER	BOTTOM DEPTH	STA. NAME/ID			
DEG	MIN	DEG	MIN	DAY	MO	YR	HR	MIN	(°C)	(°C)	(mb)	*	*	(deg)	(kts)	*	*	(m)
147	57	37	.76	N	168	49	58	w	01 JUN 10	1831	-11.6	06	-	128	-	1070	M20	
SBE 9+					FLUOR S/N													
PRESS S/N					SBE43-Oxy (prime)													
PRI TEMP S/N					SBE43-Oxy (sec)													
SEC TEMP S/N					Transmissometer													
PRI COND S/N					PAR S/N													
SEC COND S/N					O2 Tmp Sensor No.													
NIS	DEPTH	ROSETT.	Hydro Team-PMEL			Jessica	Weingartner	Sambrotto		Jen	Lomas	Moran	Harvey	Carin/	Katrin	NIS		
No.	DESIRED	notes	SALT	Nut.BH	O2-BH No	CHL.	Frac CHL.	DIC/ALK	DOC	018	Urea	Part.	Prod	DON				
1	66			21	120												1	
2	50			22	LD1												2	
3	40			23		2											3	
4	30			24		3											4	
5	20			25		4											5	
6	10			26		5											6	
7	0			27		6											7	
8																	8	
9																	9	
10																	10	
11																	11	
12																	12	

ICE LOG: Surface Ice Conditions or proximity to ice edge

Rosette Notes:

1x4 not dealing

VESSEL R/V Thomas G. Thompson		CRUISE ID TN249		PROJECT & LEG BEST/BSIERP_Spring'10		Ship's CTD filename 249xxxx		STATION NO. 116												
CONSC CAST #		DEPTH DEG	LATITUDE MIN	LONGITUDE DEG	MIN	DAY	MO	YR	HR	MIN	(°C)	(°C)	(mb)	* * SEA STATE VISIBILITY	WIND DIRN. DEG	WIND SPD. (kts)	CLOUD TYPE	WEATHER	BOTTOM DEPTH (m)	STA. NAME/ID
1	48	57	47.38	N	16850.99	W	01	JUN	10	21	12	-11.5	07	00	25	71	70	121		
SBE 9+																				
PRESS SN																				
PRI TEMP SN																				
SEC TEMP SN																				
PRI COND SN																				
SEC COND SN																				
NIS	DEPTH	Roset.	Hydro Team-PMEL				Jessica		Wengartner		Sambretto		Jen	Lomas	Moran	Harvey	Carin/	Katrin	Nis	
No.	DESIRED	notes	SALT	Nut.Btl	O2-Btl.No	CHL	Frac CHL	DIC/AIk	DOC	O18	Urea	Part.	Prod	DON		Th	Lessard	Sherr	No.	
1	66 m	Brin	> 28	058															1	
2	50		> 29																2	
3	40		> 30																3	
4	30		4153	31	32	> 3													4	
5	20																		5	
6	10																		6	
7	0																		7	
8																			8	
9																			9	
10																			10	
11																			11	
12																			12	

ICE LOG: Surface Ice Conditions or proximity to ice edge

Rosette Notes:

2,3,5,6,7 - Leaks when vented

4 - Pushed out during on top but not leaking @ bottom

VESSEL R/V Thomas G. Thompson

CRUISE TN249

PROJECT & LEG
BEST/BSIERP Spring'10

Ship's CTD filename
249xxxx

2 4 9 1170

STATION NO.
117

CONSC CAST #	LATITUDE		LONGITUDE		TIME (GMT)		DRY BULB (°C)	WET BULB (°C)	PRESSURE (mb)	SEA STATE VISIBILITY	WIND DIRN. (deg)	WIN D SPD. (kts)	CLOUD (an) TYPE	WEATHER	BOTTOM DEPTH (m)	STA. NAME/ID	
	DEG	MIN	DEG	MIN	DAY	MO	YR	HR	MIN	(°C)	(mb)	*	*	*	*	*	
1495750.84 N	16854.51 W	01 JUN 10	2218-1.2	0.08	00427					71	76 mda						
SBE 9+			FLUOR S/N														
PRESS SN			SBE43-Oxy (prime)														
PRI TEMP SN			SBE43-Oxy (sec)														
SEC TEMP SN			Transmissometer														
PRI COND SN			PAR S/N														
SEC COND SN			O2 Temp Sensor No.														
Nis DEPTH	Roset.	Hydro Team-PMEL		Jessica		Weingartner	Sambrutto		Jen	Lomas	Moran	Harvey	Carin/	Katrin	Nis	No.	
No. DESIRED holes	SALT	Nut.BH	O2-Btl.No	CHL.	Frac CHL	DIC/ALK	DOC	O18	Area	Part.	Prod	Don		Th	Lessard	Shear	No.
1 66m Blm	434.35							163									1
2 50	36	LD	LC														2
3 40	37	LD2	LC2														3
4 30	38	LD3	LC3														4
5 20	39	LD4	LC4														5
6 10	40	LD5	LC5					164									6
7 0 + not fired																	7
8																	8
9																	9
10																	10
11																	11
12																	12

ICE LOG: Surface Ice Conditions or proximity to ice edge

Rosette Notes: 5, 4, 3, 2. 10km/s when vented

VESSEL R/V Thomas G. Thompson		CRUISE TN249		PROJECT & LEG BEST/BSIERP Spring'10		Ship's CTD filename 249xxxxx		STATION NO. 11801										
CONSC CAST #	LATITUDE	LONGITUDE		TIME (GMT)	DRY BULB	WET BULB	PRESSURE (mb)	SEA STATE VISIBILITY	WIND DIRN.	WIN D SPD.	CLOUD (an) TYPE	WEATHER	BOTTOM DEPTH	STA. NAME/ID				
DEG	MIN	DEG	MIN	DAY	MO	YR	HR	MIN	(°C)	(°C)	(mb)	*	(deg)	(kts)	*	(m)		
15	57	54.	18	N	16	903.	83	W	01	JUN	10	23	57	-1	3	08		
SBE 9+																		
PRESS SN																		
PRI TEMP SN																		
SEC TEMP SN																		
PRI COND SN																		
SEC COND SN																		
Nis	DEPTH	Roset.	Hydro Team-PMEL				Jessica	Weingartner	Sambrotto	Jen	Lomas	Moran	Harvey	Carin/	Katrin	Nis		
No.	DESIRE	notes	SALT	Nut.BH	O2-Btl.No.	CHL..	Frac CHL	DIC/CAK	DOC	O18	Unsea	Part.	Prod	DON	Th	Lessard	Sherr	No.
1	63																	1
2	50																	2
3	40																	3
4	30																	4
5	20																	5
6	10																	6
7	0																	7
8																		8
9																		9
10																		10
11																		11
12																		12

ICE LOG: Surface Ice Conditions or proximity to ice edge

Rosette Notes:

7, 6, 5, 4, 3, 2 - Looks when wanted

VESSEL
R/V Thomas G. Thompson

CRUISE TN249

PROJECT & LEG
BEST/BSIERP Spring'10

Ship's CTD filename
249xxxx

2 4 9 1190

CONSC CAST #	LATITUDE		LONGITUDE		TIME (GMT)		DRY BULB	WET BULB	PRESSURE (mb)	SEA STATE * * (deg)	WIND DIRN.	WIN D (kts)	CLOUD TYPE	WEATHER	BOTTOM DEPTH (m)	STA. NAME/ID	STATION NO.								
	DEG	MIN	DEG	MIN	DAY	MO	YR	HR	MIN	(°C)	(°C)	(mb)	(deg)	(kts)	*	*	*								
1	15	15	7	57	.56	N	16	9	21	1.8	2	W	02	JUN	10	0	147	-11.1	0.0	69	01625	68	70	24	1190
SBE 9+																		MAX. DEPTH =	m						
PRESS SN																									
PRI TEMP SN																									
SEC TEMP SN																									
PRI COND SN																									
SEC COND SN																									
Nis	DEPTH	Roset	Hydro Team-PMEL		Jessica		Weingartner	Sambrotto	Jen	Lomas	Moran	Harvey	Carin/	Katrin											
No.	DESIREC	notes	SALT	Nut.Bu	O2-Bu.No.	CHL	Frac CHL	DIC/CAK	DOC	O18	Urea	Part.	Prod	DON		Th	Lessard	Sherr	No.						
1	63		455	49	198														1						
2	50		150	151	401														2						
3	40		151	151	12														3						
4	30		152	152	3														4						
5	20		153	153	4														5						
6	10		154	154	5														6						
7	0		155	155	6														7						
8																			8						
9																			9						
10																			10						
11																			11						
12																			12						

ICE LOG: Surface Ice Conditions or proximity to ice edge

Rosette Notes: 2 - 12 km out of water
7, 5, 4, 3 - 10 km when vented

VESSEL R/V Thomas G. Thompson		CRUISE TN249		PROJECT & LEG TN249		SHIP'S CTD FILENAME 249xxxx		STATION NO. 100										
CONSC CAST #	LATITUDE	DEG	MIN	DEG	MIN	DAY	MO	YR	TIME (GMT)	DRY BULB (°C)	WET BULB (°C)	PRESSURE (mb)	SEA STATE •	WIND DIRN. (deg)	WIN D SPD. (kts)	CLOUD (an) TYPE WEATHER	BOTTOM DEPTH (m)	STA. NAME/ID
1525802.53N	16940.30W	02	JUN	10	0328	-11.0	.	10	01028			70	70	70	70	70	70	70
SBE 9+				FLUOR SN														MAX. DEPTH =
PRESS SN				SBE43-Oxy (prime)														m
PRI TEMP SN				SBE43-Oxy (sec)														
SEC TEMP SN				Transmissometer														
PRI COND SN				PAR SN														
SEC COND SN				O2 Tmp Sensor No.														
Nis DEPTH Roset.		Hydro Team-PMEL		Jessica		Weingartner		Sambrotto		Jen	Lomas	Moran	Harvey	Carin/	Katrin	Nis	No.	
No. DESIRED holes	SALT	Nut.BH	O2-BH No	CHL	Frac CHL	DIC/AIK	DOC	O18	Urea	Part.	Prod	DON		Th	Lessard	Sherr		
1 65m Btm	56																1	
2 50	57	LDJ	LC														2	
3 40	58	12	12														3	
4 30	59	13	3														4	
5 20	60	14	4														5	
6 10	61	15	5														6	
7 0	62	16	6														7	
8																	8	
9																	9	
10																	10	
11																	11	
12																	12	

ICE LOG: Surface Ice Conditions or proximity to ice edge

Rosette Notes: 3 - Leaked out of water
2, 4, 5, 6, 7 - 1 packages unvented

VESSEL R/V Thomas G. Thompson		CRUISE TN249		PROJECT & LEG BEST/BSSIERP Spring'10		Ship's CTD filename 249xxxxx 2 4 9 12101						STATION NO. 121				
CONSC CAST #	LATITUDE	LONGITUDE	TIME (GMT)	DRY BULB	WET BULB	PRESSURE (°C)	SEA STATE VISIBILITY	WIND DIRN.	WIN D SPD.	CLOUD (an)	WEATHER	BOTTOM DEPTH	STA. NAME/ID			
DEG	MIN	DEG	MIN	DAY	MO	YR	HR	MIN	(mb)	*	*	(deg)	(kts)	*	*	(m)
1535808.86	N	16955.16	W02JUN10	0507	11	.1	10	10	35725	71	70	m&b				
SBE 9+																
PRESS SN																
PRI TEMP SN																
SEC TEMP SN																
PRI COND SN																
SEC COND SN																
Roset.		Hydro Team-PMEL				Jessica				Weingartner				MAX. DEPTH =		
Nis	DEPTH									Jen	Lomas	Moran	Harvey	Carin/	Karin	Nis
No.	DESIRED Notes	SALT	Nut/Bf	O2-Bfl.No	CHL.	Frac CHL	DIC/CAK	DOC	O18	Irra	Part.	Prod	DON			No.
1	65			456	63	112										1
2	50			64												2
3	40			65												3
4	30			66												4
5	20			67												5
6	10			68												6
7	0			69												7
8																8
9																9
10																10
11																11
12																12

ICE LOG: Surface Ice Conditions or proximity to ice edge

Rosette Notes:

7,6,5, 3,2 - 10 kts when upped

VESSEL R/V Thomas G. Thompson		CRUISE TN249		PROJECT & LEG BEST/BSEIRP Spring'10		Ship's CTD filename 249xxxxx 2 4 9 2201								STATION NO. 122				
CONSC CAST #	LATITUDE		LONGITUDE		DAY	MO	YR	TIME (GMT)	DRY BULB	WET BULB	PRESSURE (mb)	SEA STATE * * (deg)	WIND DIRN.	WIN D SPD. * * (kts)	CLOUD (an)	WEATHER TYPE	BOTTOM DEPTH (m)	STA. NAME/ID
DEG	MIN	DEG	MIN	HR	MIN	HR	MIN	(°C)	(°C)	(mb)	*	*	(deg)	(kts)	*	*	(m)	
1 5 4	5 8	1 6	. 9 6	N	1 7 0	0 5	. 8 6	W	0 2	J U N	1 0	0 6 4 5	- 1 . 0	.	1 0	0 1 6 2 4	7 2	7 0 M R 7
SBE 9+					FLUOR SN													MAX. DEPTH =
PRESS SN					SBE43-Oxy (prime)													
PRI TEMP SN					SBE43-Oxy (sec)													
SEC TEMP SN					Transmissometer													
PRI COND SN					PAR SN													
SEC COND SN					O2 Temp Sensor No.													
Nis	DEPTH	Hydro Team-PMEL		Jessica		Weingartner		Sambrotto		Jen	Lomas	Moran	Harvey	Carin/	Katrin	Nis		
No.	Desired notes	SALT	Nut.Btl	O2-Btl No	CHL	Frac CHL	DIC/Alk	DOC	O18	Urea	Part.	Prod	DON		Th	Lessard	Sherr	No.
1	65m Btm		70						179									1
2	50		71		LD 1													2
3	40		72		1 2													3
4	30		73		1 3													4
5	20		74		1 4													5
6	10		75		1 5				175									6
7	0		76		1 6				176									7
8																		8
9																		9
10																		10
11																		11
12																		12

ICE LOG: Surface Ice Conditions or proximity to ice edge

Rosette Notes:

VESSEL R/V Thomas G. Thompson		CRUISE TN249		PROJECT & LEG BEST/BESIERP Spring'10		Ship's CTD filename 249xxxxx 2 4 9 12301								STATION NO. 123	
CONSC CAST #	LATITUDE	LONGITUDE		TIME (GMT)	DRY BULB	WET BULB	PRESSURE (mb)	SEA STATE * * *	WIND DIRN. (deg)	WIN D SPD. (kts)	CLOUD (an)	WEATHER	BOTTOM DEPTH	STA. NAME/ID	
DEG	MIN	DEG	MIN	DAY	MO	YR	HR	MIN	(°C)	(°C)	(mb)	*	*	(m)	
155	58.26	74 N	170 11	26	02	JUN	10	08	18	-1.3	.	11	002	20	
SBE 9+															
PRESS SN															
PRI TEMP SN															
SEC TEMP SN															
PRI COND SN															
SEC COND SN															
Nis DEPTH	Reset	Hydro Team-PMEL		Jessica	Weingartner	Sambrotto	Jen	Lomas	Moran	Harvey	Carin/	Katrin	Nis		
No.	DESIRED notes	SALT	Nut.Btl	O2-Btl.No	CHL	Frac CHL	DIC/ALK	DOC	O18	Urea	Part.	Prod	DON		
1	68				77	151									1
2	50				78	LD1	LC1								2
3	40				79		2	2							3
4	30				80		3	3							4
5	20				81		4	4							5
6	10				82		5	5							6
7	0				83		6	6							7
8															8
9															9
10															10
11															11
12															12

ICE LOG: Surface ice conditions or proximity to ice edge

Rosette Notes:

Boat 1 only won broken

VESSEL RV Thomas G. Thompson	CRUISE TN249	PROJECT & LEG		Ship's CTD filename 249xxxx	STATION NO. 1240																	
		BESTIESIERRP	Spring'10																			
CONSC CAST #	LATITUDE	LONGITUDE	TIME (GMT)	DRY BULB °C	WET BULB °C	PRESSURE (mb)	SEA STATE DIRN.															
DEG	MIN	DEG	MIN	DAY	MO	HR	MIN															
15658	37.06N	17017.01W	2 JUN 10	1030	-11.3	11	348															
SBE 9+			FLUOR SN																			
PRESS SN			SBE43-Oxy (prime)																			
PRI TEMP SN			SBE43-Oxy (sec)																			
SEC TEMP SN			Transmissometer																			
PRI COND SN			PAR SN																			
SEC COND SN			O2 Tmp Sensor No.																			
Nis	DEPTH	Roset.	Hydro Team-PMEL	Jessica	Weingartner	Sambrotto	Jen															
No.	DESIRED	notes	SALT	Nut.Bil	O2-Bil.No	CHL.	Frac CHL	DIC/ALK	DOC	O18	Urea	Part.	Prod	DON	Jen	Lomas	Moran	Harvey	Carin	Katrin	Nis	
1	69		460	84																		
2	50		85			LD1																
3	40		86			LD2																
4	30		87			13																
5	20		88			↓4																
6	13																					
7	13																					
8	13																					
9	13																					
10	13																					
11	10		89	LD5		181																
12	0		90	↓6		182																

ICE LOG: Surface Ice Conditions or proximity to ice edge

Rosette Notes:

Boat 10 still not leaking | Btl 2 drained - no nut or oil sample

VESSEL R/V Thomas G. Thompson		CRUISE TN249		PROJECT & LEG BEST/BSIERP Spring 10		Ship's CTD filename 249xxxx		STATION NO. 124									
CONSC CAST #	LATITUDE	LONGITUDE		TIME (GMT)	DRY BULB	WET BULB	PRESSURE	SEA STATE	WIND	WIN	D	CLOUD (an)	WEATHER	BOTTOM	STA. NAME/ID		
DEG	MIN	DEG	MIN	DAY	MO	YR	HR	MIN	(°C)	(°C)	(mb)	*	*	(deg)	(kts)	*	*
157 58	36.71	N	170 17.09	W	02	JUN	10	14	14	-6.6	109	357	12		7270	129	
SBE 9+																	
PRESS SN																	
PRI TEMP SN																	
SEC TEMP SN																	
PRI COND SN																	
SEC COND SN																	
Nis	DEPTH	Rosel.	Hydro Team-PMEL				Jessica	Weingartner	Sambrotto	Jen	Lomas	Moran	Harvey	Carin	Katrin	Nis	
No.	DESIRED notes	SALT	Nut.Bu	O2-Bu.No	CHL	Frac CHL	DIC/AIK	DOC	O18	Urea	Part.	Prod	DON				No.
1	29				91												1
2	15				92												2
3	15																3
4	15																4
5	15																5
6	15																6
7	15																7
8	15																8
9	15																9
10	15																10
11	15																11
12	15																12

ICE LOG: Surface Ice Conditions or proximity to ice edge

Rosette Notes:

Lukus: All sand bottle six

VESSEL RV Thomas G. Thompson		CRUISE TN249		PROJECT & LEG BESTIESIERP Spring'10		Ship's CTD filename 249xxxx		STATION NO. 724										
CONSC CAST #	LATITUDE	LONGITUDE		TIME (GMT)	DRY BULB	WET BULB	PRESSURE (mb)	SEA STATE DIRN.	WIND D SPD.	WIN CLOUD TYPE	BOTTOM DEPTH	STA. NAME/ID						
DEG	MIN	DEG	MIN	DAY	MO	YR	HR	MIN	(°C)	(°C)	(mb)	*	*	(deg)	(kts)	*	(m)	
158	58	37.02	N	170	16.53	W	02	JUN 10	1535	-10.5	109	341	9	7270	M21			
SBE 9+				FLUOR SN														
PRESS SN				SBE43-Oxy (prime)														
PRI TEMP SN				SBE43-Oxy (sec)														
SEC TEMP SN				Transmissometer														
PRI COND SN				PAR SN														
SEC COND SN				O2 Tmp Sensor No.														
Nis	DEPTH	Roset.	Hydro Team-PMEL				Jessica	Weingartner	Sambrotto	Jen	Lomas	Moran	Harvey	Carin/	Katrin	Nis		
No.	DESIRED	notes	SALT	Nut.Btl	O2-Btl.No	CHL.	Frac CHL	DIC/Alk	DOC	O18	Urea	Part.	Prod	DON	Th	Lessard	Sherr	No.
1	45	45													145.1-7		1	
2		42															2	
3	26	30															3	
4	17	26															4	
5	17	17															5	
6	12	17															6	
7	12	12															7	
8	8	8															8	
9	8	8															9	
10	5	5															10	
11	0	0															11	
12	0	0															12	

ICE LOG: Surface Ice Conditions or proximity to ice edge

Rosette Notes:

19/30 45, 26 17, 12, 17, 8, 5 = 0

2 naked before cracked
After rents cracked, bottom did not leak

VESSEL
RV Thomas G. Thompson

CRUISE TN249
PROJECT & LEG
BESTIESIERRP Spring'10

Ship's CTD filename
249xxxx 2 4 9 | 2501

STATION NO.

120

CONSC CAST #	LATITUDE		LONGITUDE		TIME (GMT)		DRY BULB	WET BULB	PRESSURE		SEA STATE	VISIBILITY	WIND DIRN.	WIN D SPD.	CLOUD (am)	WEATHER	BOTTOM DEPTH	STA. NAME/ID		
	DEG	MIN	DEG	MIN	DAY	MO	YR	HR	MIN	(°C)	(°C)	(mb)	*	*	(deg)	(kts)	*	*	(m)	
1	59	58	46	.4	3	N	170	17	.6	3	W	02	JUN	10	1850	-0.4	.08	290	4	2270 M30
SBE 9+																				
PRESS SN																				
PRI TEMP SN																				
SEC TEMP SN																				
PRI COND SN																				
SEC COND SN																				
Nis	DEPTH	Roset.	Hydro Team-PMEI		Jessica		Weingartner	Sambrotto	Jen	Lomas	Moran	Harvey	Carin/	Katrin	Nis	No.				
No.	DESIRED	notes	SALT	Nut.Bu	O2-Bu.No	CHL.	Frac CHL	DICA/IK	DOC	O18	Urea	Part.	Prod	DON						
1	67					93													1	
2	50					94			LDI										2	
3	40					95			12										3	
4	30					96			3										4	
5	20					97			4										5	
6	10					98			5										6	
7	0																		7	
8	0																		8	
9																			9	
10																			10	
11																			11	
12																			12	

ICE LOG: Surface Ice Conditions or proximity to ice edge

Rosette Notes:

Every bottle landed after water cracked

No oxygen sample taken

VESSEL R/V Thomas G. Thompson		CRUISE ID TN249		PROJECT & LEG BEST/BSIERP_Spring'10		Ship's CTD filename 249xxxx		STATION NO. 126											
CONSC CAST #		LATITUDE		LONGITUDE		TIME (GMT)	DRY BULB (°C)	WET BULB (°C)	PRESSURE (mb)	SEA STATE DIRN.	WIND SPD. (kts)	CLOUD TYPE	WEATHER	BOTTOM DEPTH (m)	STA. NAME/ID				
DEG	MIN	DEG	MIN	DAY	MO	YR	HR	MIN	*	*	(deg)	(kts)	*	*	(m)				
/	60	58	56	.92	N	170	19	.65	W	02	JUN	10	2026	0.3	07	1794	70	70m31	
SBE 9+																			
PRESS SN																			
PRI TEMP SN																			
SEC TEMP SN																			
PRI COND SN																			
SEC COND SN																			
Nis	DEPTH	Roset.		Hydro Team-PiMELL		Jessica		Weingartner		Sambrotto		Jen	Lomas	Moran	Harvey	Carin/	Katrin	Nis	
No.	DESIRED	notes	SALT	Nut.Btl	O2-Btl No	CHL.	Frac CHL.	DIC/Alk	DOC	018	Urea	Part.	Prod	DON		Th	Lessard	Sheri	No.
1	65m	Btm		160						183								1	
2	50			101		LD1												2	
3	40			102		LD2												3	
4	30			103		LD3												4	
5	20			104		LD4												5	
6	15																	6	
7	15																	7	
8	10	Bad	Leaker															8	
9	0																	9	
10																		10	
11																		11	
12																		12	

ICE LOG: Surface Ice Conditions or proximity to ice edge

Rosette Notes:

8 - looking badly out of water, pushed out oring

5, 4, 3, 2 - leaky's when vented

VESSEL R/V Thomas G. Thompson		CRUISE ID TN249		PROJECT & LEG BEST/BSIERRP_Spring'10		Ship's CTD filename 249xxxx						STATION NO. 127									
CONSC CAST #		DEPTH DEG	LATITUDE MIN	DEPTH DEG	LONGITUDE MIN	DAY	MO	YR	HR	MIN	TIME (GMT) (°C)	DRY BULB (°C)	WET BULB (°C)	PRESSURE (mb)	SEA STATE VISIBILITY	WIND DIRN. DEG	WIND SPD. (kts)	CLOUD TYPE	WEATHER	BOTTOM DEPTH (m)	STA. NAME/ID
1	61	15	906.	43	N	17014.	77	w	02	JUN	10	22	14	-0.6	.	06	1238		48	70	M32
SBE 9+																					
PRESS SN																					
PRI TEMP SN																					
SEC TEMP SN																					
PRI COND SN																					
SEC COND SN																					
NIS	DEPTH	Roset.				Hydro Team-PMEL		Jessica		Weingartner		Sambrotto		Jen	Lomas	Moran	Harvey	Carin/	Katrin	NIS	
No.	DESIRED	notes	SALT	NUT/BR	02-BR/NO	CHL	Frac CHL.	DIC/AIK	DOC	018	Urea	Part.	Prod	DON			Th	Lessard	Sherr	No.	
1	63	BT m	X 323	106	200																1
2	50			107		LD 1	LC 1														2
3	40			108		2	2														3
4	30			109		3	3														4
5	20			110		4	4														5
6	10			111		5	5														6
7	D			112		6	6														7
8																					8
9																					9
10																					10
11																					11
12																					12

ICE LOG: Surface Ice Conditions or proximity to ice edge

Rosette Notes: 7, 5, 4, 3, 2 - 12 picks after vented

VESSEL R/V Thomas G. Thompson		CRUISE ID TN249		PROJECT & LEG BEST/BSIERR_Spring'10		Ship's CTD filename 249xxxx		STATION NO. 128					
CONSC CAST #		LATITUDE DEG MIN	LONGITUDE DEG MIN	TIME (GMT) DAY	DRY BULB MO	WET BULB YR	PRESSURE HR	SEA STATE MIN	WIND DIRN.	WIND SPD. TYPE	BOTTOM DEPTH	STA. NAME/ID	
1	62	59	14.85	N	170	24.68	W	02	JUN	102357	-10.5	05	
SBE 9+													
PRESS SN													
PRI TEMP SN													
SEC TEMP SN													
PRI COND SN													
SEC COND SN													
NIS	DEPTH	ROSETTE	Hydro Team-PMEL			JESSICA	WEINGARTNER	SAMBOROTTO	JEN	LOMAS	MORAN	HARVEY	CARIN/
No.	DESIRED	NOTES	SALT	NUT.BN	02-BTN#	CHL.	Frac CHL.	DOC	018	Urea	Part.	Prod	DON
1	62	13m			113	208							
2	50				114	LD 1							
3	40				115		2						
4	30				116		3						
5	20				117		4						
6	10				118		5						
7	D	Y324			119								
8													
9													
10													
11													
12													

ICE LOG: Surface Ice Conditions or proximity to ice edge

Rosette Notes:

VESSEL R/V Thomas G. Thompson		CRUISE ID TN249		PROJECT & LEG BEST/BSIERP_Spring'10		Ship's CTD filename 249xxxx		STATION NO. 129											
CONSC CAST #		LATITUDE	LONGITUDE	TIME (GMT)	DRY BULB	WET BULB	PRESSURE	SEA STATE											
	DEG	MIN	DEG	MIN	DAY	MO	YR	WIND DIRN.											
					HR	MIN	(°C)	SPD.											
1	6	35 92.0	00 39.43 N	17039.43 W	03 JUN 10	01 19	-0.5	(km/s)											
6	35 92.0	00 39.43 N	17039.43 W	03 JUN 10	01 19	-0.5	04	(deg)	*										
9+								(m/s)	*										
SBE 9+								TYPE											
PRESS SN								WEATHER											
PRI TEMP SN								BOTTOM											
SEC TEMP SN								DEPTH											
PRI COND SN								STA. NAME/ID											
SEC COND SN																			
NIS	DEPTH	ROSETTE	Hydro Team-PMEI	JESSICA	WEINGARTNER	SAMBROTTO	JEN	LOMAS	MORAN	HARVEY	CARIN	KATRIN	NIS						
No.	DESIRED	NOTES	SALT	NUT.BH	O2-BH#NO	CHL.	Frac CHL.	DIC/AIK	DOC	O18	Urea	Part.	Prod	DON		TH	LESSARD	SHER	NO.
1	64m	Btm																	1
2	50																		2
3	40																		3
4	30																		4
5	20																		5
6	10																		6
7	0																		7
8																			8
9																			9
10																			10
11																			11
12																			12

ICE LOG: Surface Ice Conditions or proximity to ice edge

Rosette Notes:

7, 6, 4, 3, 2 - Leaker when vented

T0 around less than 1% coverage

VESSEL R/V Thomas G. Thompson		CRUISE ID TN249		PROJECT & LEG BEST/BSIERR_Spring'10		Ship's CTD filename 249xxxx		STATION NO. 130									
CONSC CAST #	LATITUDE		LONGITUDE		TIME (GMT)		DRY BULB	WET BULB	PRESSURE	SEA STATE	WIND	WIND	CLOUD	WEATHER	BOTTOM	STA. NAME/ID	
	DEG	MIN	DEG	MIN	DAY	MO	YR	HR	MIN	(°C)	(°C)	(mb)	* * (deg)	(kts)	*	(m)	
1	64	59	26	.20	N	17	05	41	W	03	JUN	10	02	48	-0.9	05	100116
SBE 9+																	72
PRESS SN																	70 m 35
PRI TEMP SN																	
SEC TEMP SN																	
PRI COND SN																	
SEC COND SN																	
NIS No.	DEPTH Desired	Roset.	Hydro Team-PMEI		Jessica		Weingartner	Sambrotto		Jen	Lomas	Moran	Harvey	Carini/ Lessard	Katrin	Nis No.	
		notes	SALT	Nut.BH	O2-BtlNo	CHL.	Frac CHL	DIC/AIR	DOC	018	Urea	Part.	Prod	DON	Th Sher		
1	65		127	128		127	128										1
2	50		128			SB1	SA1										2
3	40		129			21	21										3
4	30		130			31	31										4
5	30																5
6	20		131			4	4	-	Ship was put in reverse to avoid an ice chunk coming alongside the ship								6
7	10		132			5	5										7
8	0		133			6	6		(CTD side). This chunked up the surface waters. This happened when the CTD was on the upcast & sitting on the surface waters.								8
9																	9
10																	10
11																	11
12																	12

ICE LOG: Surface Ice Conditions or proximity to ice edge

Rosette Notes:

2,6,8 - breakers out of water

7,4,3,2 - breakers when wanted

Thick pieces of ice around, less than 5' coverage

1-3 m up to 30 m long

ICE LOG: Surface Ice Conditions or proximity to ice edge

Rosette Notes:

2,6,8 - breakers out of water

7,4,3,2 - breakers when wanted

Thick pieces of ice around, less than 5' coverage

1-3 m up to 30 m long

VESSEL R/V Thomas G. Thompson		CRUISE ID TN249		PROJECT & LEG BEST/BSIERP_Spring'10		Ship's CTD filename 249xxxx		2 4 9 13101		STATION NO. 131										
CONSC CAST #		DEPTH DEG	LATITUDE MIN	DEPTH DEG	LONGITUDE MIN	DAY	MO	YR	HR	MIN	TIME (GMT)	DRY BULB (°C)	WET BULB (°C)	PRESSURE (mb)	SEA STATE * * VISIBILITY DIRN.	WIND DIRN. SPD. (kts)	WIND CLOUD TYPE WEATHER	BOTTOM DEPTH (m)	STA. NAME/ID	
1	65 59	34 . 68	N	17 107 . 0	1w 03 JUN 10	04	40	-	0	.5		04	090	11		73	70m36W			
SBE 9+											FLUOR S/N									
PRESS SN											SBE43-Oxy (prime)									
PRI TEMP SN											SBE43-Oxy (sec)									
SEC TEMP SN											Transmissometer									
PRI COND SN											PAR S/N									
SEC COND SN											02 Tmp Senson No.									
NIS	DEPTH	Roset.	Hydro Team-PMEL		Jessica	Weingartner	Sambrutto		Jen	Lomas	Moran	Harvey	Carin/	Katrin	NIS					
No.	DESIRED	notes	SALT	Nut.Btl	02-Btl.No	CHL	Frac CHL	DIC/AIK	DOC	018	Urea	Part.	Prod	DON						
1	65m	B+tm	X326	134								X194								
2	50																			
3	40																			
4	30																			
5	20																			
6	10																			
7	0																			
8																				
9																				
10																				
11																				
12																				

ICE LOG: Surface Ice Conditions or proximity to ice edge

— Thick pieces of ice (1-3 m) up to 30m long. Less than 10% coverag.

Rosette Notes:

7, 4, 3, 2, - 1 bafers when vented

VESSEL R/V Thomas G. Thompson		CRUISE ID TN249		PROJECT & LEG BEST/BSIERR_Spring'10		Ship's CTD filename 249xxxx		STATION NO. 132									
CONSC CAST #		DEPTH	LATITUDE	LONGITUDE	TIME (GMT)	DRY BULB	WET BULB	PRESSURE	SEA STATE VISIBILITY	WIND DIRN.	WIND SPD.	CLOUD TYPE	WEATHER	BOTTOM DEPTH	STA. NAME/ID		
DEG	MIN	DEG	MIN	DAY	MO	YR	HR	MIN	(°C)	(°C)	(mb)	*	*	(deg)	(kts)	*	(m)
166	59	41	82	N	171	21	65	W	03	JUN	10	0657	-0.4	04	0740	74	70m37N
SBE 9+					FLUOR S/N												
PRESS SN					SBE43-Oxy (prime)												
PRI TEMP SN					SBE43-Oxy (sec)												
SEC TEMP SN					Thermometer												
PRI COND SN					PAR S/N												
SEC COND SN					O2 Temp Season No.												
NIS	DEPTH	ROSET.	Hydro Team-PMEL				JESSICA	WEINGARTNER	SAMBROTTO	JEN	LOMAS	MORAN	HARVEY	CARIN/	KATTIN	NIS	
NO.	DESIRED	NOTES	SALT	NUT.BTL	02-BTLNO	CHL	Frac CHL	DIC/ALK	DOC	018	UREA	PART.	PROD	DON			
1	67 m	Btm	>141	080													1
2	50		>142		SB1												2
3	50		,														3
4	40		>143														4
5	30		>144														5
6	20		>145														6
7	10		>146														7
8	0		>147														8
9																	9
10																	10
11																	11
12																	12

ICE LOG: Surface Ice Conditions or proximity to ice edge

Rosette Notes:

Large pieces of ice, 1-3 m thick, up to 30m long (less than 10% coverage)

8, 7, 6, 4, 2 - breakers when vented

VESSEL R/V Thomas G. Thompson		CRUISE ID TN249		PROJECT & LEG BEST/BSIEIRP_Spring'10		Ship's CTD filename 249xxxx						STATION NO. 133							
CONSC CAST #	LATITUDE DEG MIN	LONGITUDE DEG MIN		DAY	MO	YR	TIME (GMT)		DRY BULB	WET BULB	PRESSURE	SEA STATE	WIND	WIND	CLOUD (am)	WEATHER	BOTTOM	STA. NAME/ID	
		HR	MIN				(°C)	(°C)	(mb)	*	*	(deg)	(kts)	*	*	(m)			
1	67 59 46.	62	N	17	26.	98	0	3	JUN	1	0	0835	10.9	.	05	082	6	7470M38	
SBE 9+																			
PRESS SN																			
PRI TEMP SN																			
SEC TEMP SN																			
PRI COND SN																			
SEC COND SN																			
NIS	DEPTH	ROSETTE	Hydro Team-PMEI				Jessica		Weingartner	Sambrotto	Jen	Lomas	Moran	Harvey	Carin/	Katrin	NIS		
No.	DESIRED	notes	SALT	Nut.Btl	O2-Btl.No	CHL..	Frac CHL.	DIC/ALK	DOC	018	Urea	Part.	Prod	DON		Th	Lessard	Sherr	No.
1	69					148													1
2	50					149													2
3	40					150													3
4	30					151													4
5	20					152													5
6	10					153													6
7	0					4328	154			6	6		201						7
8																			8
9																			9
10																			10
11																			11
12																			12

ICE LOG: Surface Ice Conditions or proximity to ice edge

Rosette Notes:

large floes <10% coverage

All bottles leaking

VESSEL R/V Thomas G. Thompson		CRUISE ID TN249		PROJECT & LEG BEST/BSIERR_Spring'10		Ship's CTD filename 249xxxx		STATION NO. 134												
CONSC CAST #		LATITUDE DEG MIN	LONGITUDE DEG MIN	DAY	MO	YR	HR	MIN	TIME (GMT)	DRY BULB (°C)	WET BULB (°C)	PRESSURE (mb)	SEA STATE DIRN. (deg)	WIND SPD. (kts)	WIND CLOUD TYPE	BOTTOM DEPTH (m)	STA. NAME/ID			
168	59	50	.44	N	171	50	.15	W	03	JUN	10	1040	-00.9	05	080	6	7470m39			
SBE 9+									FLUOR SN											
PRESS SN									SBE43-Oxy (prime)											
PRI TEMP SN									SBE43-Oxy (sec)											
SEC TEMP SN									Transmissometer											
PRI COND SN									PAR S/N											
SEC COND SN									O2 Trip Session No.											
Nis	DEPTH	Rosett.		Hydro Team-PMEI		Jessica	Weingartner		Sambrotto											
No.	DESIRED	notes	SALT	Nut.BH	O2-BH No	CHL.	Frac CHL.	DIC/ALK	DOC	018	Urea	Part.	Prod	DON	Jen	Lomas	Moran	Harvey	Carin/ Katrin	Nis
1	70				155															
2	50				156															1
3	40				157															2
4	33																			3
5	33				158															4
6	30				159															5
7	20				160															6
8	10				161															7
9	0				162															8
10																				9
11																				10
12																				11
																				12

ICE LOG: Surface Ice Conditions or proximity to ice edge

Rosette Notes:

All bottles balanced
Smaller ice floes < 10% coverage
~5m diameter
on less

VESSEL R/V Thomas G. Thompson		CRUISE ID TN249		PROJECT & LEG BEST/BSIERR_Spring'10		Ship's CTD filename 249xxxx		STATION NO. 135										
CONSC CAST #		LATITUDE DEG MIN	LONGITUDE DEG MIN	DAY	MO	YR	HR	MIN	WIND DIRN. SPD. CLOUD TYPE WEATHER	BOTTOM DEPTH (m)	STA. NAME/ID							
									SEA STATE VISIBILITY									
1	69	59	50.	72	N	1720	5.	24	W	03	JUN 10							
1	69	59	50.	72	N	1720	5.	24	W	03	JUN 10							
SBE 9+									FLUOR S/N									
PRESS S/N									SBE43-Oxy (prime)									
PRI TEMP S/N									SBE43-Oxy (sec)									
SEC TEMP S/N									Transmissometer									
PRI COND S/N									PAR S/N									
SEC COND S/N									O2 Tmp Sensor No.									
NIS	DEPTH	ROSET.	Hydro Team-PMEL			JESSICA	Weingartner	Sambrotto	Jen	Lomas	Moran	Harvey	Carin/	Katrin	NIS			
No.	DESIRED	notes	SALT	Nut.BTU	02-BTU No	CHL	Frac CHL	DIC/AIK	DOC	018	Urea	Part.	Prod	DON	Th	Lessard	Sherr	No.
1	71		4329	163					/									1
2	50			164		5B1												2
3	40					165		2										3
4	30					166		3										4
5	30																	5
6	30																	6
7	20			167		4												7
8	10			168		5												8
9	10																	9
10	0			169		6			/									10
11	0																	11
12																		12

ICE LOG: Surface Ice Conditions or proximity to ice edge

NO ice

Rosette Notes:

VESSEL R/V Thomas G. Thompson		CRUISE ID TN249		PROJECT & LEG BEST/BSIERP_Spring'10		Ship's CTD filename 249xxxx		STATION NO. 136													
CONSC CAST #		LATITUDE		LONGITUDE		TIME (GMT)		DRY BULB	WET BULB	PRESSURE	SEA STATE	WIND DIRN.	WIND SPD.	CLOUD TYPE	BOTTOM DEPTH	STA. NAME/AID					
		DEG	MIN	DEG	MIN	DAY	MO	YR	HR	MIN	(°C)	(°C)	(mb)	*	*	(deg)	(kts)	*	*	(m)	
1	70	59	54	.71	N	172	26	11	W	03	JUN	10	1500	-0	.2	.	04	125	13	7470 M41	
SBE 9+																					
PRESS SN																					
PRI TEMP SN																					
SEC TEMP SN																					
PRI COND SN																					
SEC COND SN																					
Nis	DEPTH	Roset.		Hydro Team-PNEL		Jessica		Weingartner	Sambrotto	Jen	Lomas	Moran	Harvey	Carin/	Katrin	Nis					
No.	DESIRED	notes		SALT	Nut.Btl	O2-Btl No	CHL.	Frac CHL.	DIC/AIk	DOC	018	Urea	Part.	Prod	DON			Th	Lessard	Sherr	No.
1	70																				1
2	50																				2
3	40																				3
4	30																				4
5	20																				5
6	10																				6
7	10																				7
8	0																				8
9																					9
10																					10
11																					11
12																					12

ICE LOG: Surface Ice Conditions or proximity to ice edge

Rosette Notes:

Only bottle & not leaking

No ice

VESSEL R/V Thomas G. Thompson		CRUISE ID TN249		PROJECT & LEG BEST/BSIERR_Spring'10		Ship's CTD filename 249xxxx		STATION NO. 137											
CONSC CAST #	LATITUDE DEG MIN	LONGITUDE		TIME (GMT)		DRY BULB	WET BULB	PRESSURE	SEA STATE	WIND DIRN.	WIND SPD.	BOTTOM DEPTH	STA. NAME/ID						
		DEG	MIN	DEG	MIN	DAY	MO	YR	HR	MIN	(°C)	(°C)	(mb)	*	*	(deg)	(kts)	*	*
1	71 59 58.1	66	N	172 44.82	W	03	JUN	10	16	23	-0.2	0.0	0.03	129	15	129	15	6870	M42
SBE 9+				FLUOR S/N															
PRESS SN				SBE43-Oxy (prime)															
PRI TEMP SN				SBE43-Oxy (sec)															
SEC TEMP SN				Transmissometer															
PRI COND SN				PAR S/N															
SEC COND SN				O2 Temp Sensor No.															
Nis	DEPTH	Roset.	Hydro Team-PMEL				Jessica	Weingartner	Sambrotto	Jen	Lomas	Moran	Harvey	Cairns/	Katin	Nis			
No.	DESIRED	notes	SALT	Nut.Btl	O2-Btl.No	CHL	Frac CHL	DIC/ALK	DOC	O18	Urea	Part.	Prod	DON					
1	63			177						209									
2	50			178		SB1													1
3	40			179		2													2
4	30			180		3													3
5	23			181															4
6	20			182		4													5
7	10			183		5													6
8	0		1330	184	088	6				240									7
9																			8
10																			9
11																			10
12																			11
																			12

ICE LOG: Surface Ice Conditions or proximity to ice edge

no ice

Rosette Notes:

8x5 not leaking

VESSEL R/V Thomas G. Thompson		CRUISE ID TN249		PROJECT & LEG BEST/BSIERR_Spring'10		Ship's CTD filename 249xxxx		STATION NO.														
CONSC CAST #		LATITUDE DEG	MIN	LONGITUDE DEG	MIN	DAY	MO	YR	HR	MIN	(°C)	(°C)	(mb)	*	*	(deg)	(kts)	*	*	(m)	STA. NAME/ID	
1	7	26	0	02	.20	N	17	30	0	51	W	03	JUN	10	18	41	d.	0	1.	03	12716	6870N43
SBE 9+											FLUOR S/N											
PRESS S/N											SBE43-Oxy (prime)											
PRI TEMP S/N											SBE43-Oxy (sec)											
SEC TEMP S/N											Transmissometer											
PRI COND S/N											PAR S/N											
SEC COND S/N											02 Tmp Session No.											
Nis	DEPTH	Roset.	Hydro Team-PMEL				Jessica				Weingartner		Sambrotto		Jen	Lomas	Moran	Harvey	Carin/	Katrin	Nis	
No.	DESIRED	notes	SALT	Nut.Btl	02-Btl.No	CHL	Frac CHL	DIC/AIk	DOC	O18	Urea	Part.	Prod	DON			Th	Lessard	Sherr		No.	
1	63					185															1	
2	50					186															2	
3	40					1															3	
4	30					2															4	
5	24																				5	
6	24																				6	
7	20					3															7	
8	10					4															8	
9	0					5															9	
10						6															10	
11																					11	
12																					12	

ICE LOG: Surface Ice Conditions or proximity to ice edge

no ice

Rosette Notes:

8 only non-leader

VESSEL R/V Thomas G. Thompson		CRUISE ID TN249		PROJECT & LEG BEST/BSIERRP_Spring'10		Ship's CTD filename 249xxxx		STATION NO. 139																
CONSC CAST #		DEPTH DEG	LATITUDE MIN	DEPTH DEG	LONGITUDE MIN	DAY	MO	YR	HR	MIN	(°C)	(°C)	(mb)	*	*	(deg)	(kts)	*	*	*	(m)	STA. NAME/ID		
1	73	60	06.	10	N	173	19.	00	03	JUN	10	20	12	-0.	6	.	03	128	19		72	70	44	
SBE 9+																								
PRESS SN																								
PRI TEMP SN																								
SEC TEMP SN																								
PRI COND SN																								
SEC COND SN																								
02 Tmp Sensor No.																								
NIS No.	DEPTH Desired	Roset.	Hydro Team-PMEL		Jessica		Weingartner		Sambrotto		Jen	Lomas	Moran	Hanvey	Carin/	Katrin	NIS No.							
		notes	SALT	NUT.BTL	O2-BTL.No	CHL	Frac CHL.	DIC/AIK	DOC	O18	Urea	Part.	Prod	DON										
1	46	Btm	Y332	6											215									
2	50		7																					
3	40		8																					
4	30		9																					
5	20		10																					
6	10		11																					
7	0		12																					
8																								
9																								
10																								
11																								
12																								

ICE LOG: Surface Ice Conditions or proximity to ice edge

Rosette Notes:

6, 2 - Buoys out of the water

All others leaking when vented

VESSEL R/V Thomas G. Thompson		CRUISE ID TN249		PROJECT & LEG BEST/BSIERP_Spring'10		Ship's CTD filename 249xxxx		STATION NO. 140												
CONSC CAST #	LATITUDE	LONGITUDE		TIME (GMT)	DRY BULB	WET BULB	PRESSURE	SEA STATE	WIND DIRM.	WIND SPD.	CLOUD (am)	WEATHER	BOTTOM DEPTH	STA. NAME/ID						
DEG	MIN	DEG	MIN	DAY	MO	YR	HR	MIN	(°C)	(°C)	(mb)	*	*	(deg)	(kts)	*	*	(m)		
174	60	15	.44	N	17	33	1	10	W	03	JUN	10	21	46	-0	.5	03	12719	70	70 m 45
SBE 9+									FLUOR S/N											
PRESS SN									SBE43-Oxy (prime)											
PRI TEMP SN									SBE43-Oxy (sec)											
SEC TEMP SN									Transmissometer											
PRI COND SN									PAR S/N											
SEC COND SN									02 Temp Sensor No.											
Nis	DEPTH	Roset.	Hydro Team-PMEL				Jessica		Weingartner	Sambrotto		Jen	Lomas	Moran	Harvey	Carin/	Katrin	Nis		
No.	DESIRED	notes	SALT	Nut.Brl	O2-Brl No	CHL.	Frac CHL.	DIC/ALK	DOC	018	Urea	Part.	Prod	DON		Th	Lessard	Sher	No	
1	64	Btm		13	169						218								1	
2	50			14		SB													2	
3	40			15		2													3	
4	30			16		3													4	
5	20			17		4													5	
6	10			18		5					219								6	
7	0			19		6					220								7	
8																			8	
9																			9	
10																			10	
11																			11	
12																			12	

ICE LOG: Surface Ice Conditions or proximity to ice edge

Rosette Notes:

VESSEL R/V Thomas G. Thompson		CRUISE ID TN249		PROJECT & LEG BEST/BSIERP_Spring'10		Ship's CTD filename 249xxxx		STATION NO.										
CONSC CAST #		DEPTH DEG	LATITUDE MIN	DEPTH DEG	LONGITUDE MIN	DAY	MO	YR	TIME (GMT) HR	DRY BULB (*C)	WET BULB (*C)	PRESSURE (mb)	SEA STATE * * * (deg)	WIND DIRN. WIND SPD. (kt/s)	CLOUD TYPE WEATHER	BOTTOM DEPTH (m)	STA. NAME/ID	
1	75	60	25.	53	N	173	35.	66	W	03	JUN	10	2333	-0.4	.02	13221	6570M46	
SBE 9+																		
PRESS SN																		
PRI TEMP SN																		
SEC TEMP SN																		
PRI COND SN																		
SEC COND SN																		
Nis	DEPTH	Roset.	Hydro Team-PMEL				Jessica				Weingartner	Sambrotto	Jen	Lomas	Moran	Harvey	Carin/	
No.	DESIRED	notes	SALT	Nut.Btl	O2-Btl.No	CHL	Frac CHL	DIC/AIK	DOC	O18	Urea	Part.	Prod	DON	Th	Cessard	Katrin	Nis
1	61	m	34m	20														1
2	50		21			(SB)												2
3	40		22			2												3
4	30		23			3												4
5	20		24			4												5
6	10		25			5												6
7	0		4333	26		6												7
8																		8
9																		9
10																		10
11																		11
12																		12

ICE LOG: Surface Ice Conditions or proximity to ice edge

Rosette Notes:

2 - Leaker off of water

7, 6, 5, 4, 3 - Leaker when vented

Note ✕ 433 - Must Be - Name Kachal lotan

VESSEL R/V Thomas G. Thompson		CRUISE ID TN249		PROJECT & LEG BEST/BSIERR_Spring10		Ship's CTD filename 249xxxx		TIME (GMT)		DRY BULB	WET BULB	PRESSURE	SEA STATE	WIND DIRN.	WIND SPD.	CLOUD (am)	WEATHER	BOTTOM	STA. NAME/ID	STATION NO. 142				
CONSC CAST #		LATITUDE	LONGITUDE	DEG	MIN	DEG	MIN	DAY	MO	YR	HR	MIN	(°C)	(°C)	(mb)	*	*	(deg)	(kts)	*	*	(m)		
1	76	60	34.33	N	173	38.35	W	04	JUN	10	02	23	0.2	0.3	1013	02	10	13021	68	70	m	47		
SBE 9+																								
PRESS SN																								
PRI TEMP SN																								
SEC TEMP SN																								
PRI COND SN																								
SEC COND SN																								
Nis	DEPTH	Roset.																						
No.	DESIRED	Notes	SALT	Nut.Bd	O2-BTLNo	CHL	Frac CHL.	DIC/AIK	DOC	018	Urea	Part.	Prod	DON										
1	63	B1m		27	187																			
2	50			28		SB	1	SA																
3	40			29		2	2	2																
4	30			30		3	3	3																
5	20			31		4	4	4																
6	10			32		5	5	5																
7	0			33		6	6	6																
8																								
9																								
10																								
11																								
12																								

ICE LOG: Surface Ice Conditions or proximity to ice edge

Rosette Notes:

VESSEL R/V Thomas G. Thompson		CRUISE ID TN249		PROJECT & LEG BEST/BStERR_Spring'10		Ship's CTD filename 249xxxx		STATION NO. 143											
CONSC CAST #		LATITUDE		LONGITUDE		TIME (GMT)		DRY BULB	WET BULB	PRESSURE	SEA STATE	WIND	WIND	BOTTOM	STA. NAME/ID				
		DEG	MIN	DEG	MIN	DAY	MO	YR	HR	MIN	(°C)	(°C)	(mb)	*	*	DIRN.	SPD.	CLOUD TYPE	WEATHER
1	7760	44	.34	N	17338.9	1	W	04	JUN	10	0356	0.0	03	1322	72	70	m	48	
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 Trop Sensor No.								
Nis No.	DEPTH	Roset.	Hydro Team-PMEL		Jessica		Weingartner	Sambrotto		Jen	Lomas	Moran	Harvey	Carin/	Katrin	Nis			
DESIRED	notes	SALT	Nut.BTU	O2-BTU No	CHL.	Frac CHL.	DIC/ALK	DOC	O18	Urea	Part.	Prod	DON						
1	65m	Btm	4334	34															
2	50		-35		SB	1			224										
3	40		-36		2														
4	30		-37		3														
5	20		-38		4														
6	10		-39		5														
7	0		-40		6														
8																			
9																			
10																			
11																			
12																			

ICE LOG: Surface Ice Conditions or proximity to ice edge

Rosette Notes:

2, 7 - leaking out of water

6, 5, 4 - leaking when vented

VESSEL R/V Thomas G. Thompson		CRUISE ID TN249		PROJECT & LEG BEST/BSIERR_Spring'10		Ship's CTD filename 249xxxxy		STATION NO. 144										
CONSC CAST #		DEPTH DEG	LATITUDE MIN	LONGITUDE DEG	MIN	TIME (GMT) DAY	DRY BULB °C	WET BULB °C	PRESSURE (mb)	SEA STATE DIRN.	WIND DIRN.	WIND SPD. (kts)	CLOUD (am) TYPE	WEATHER	BOTTOM DEPTH (m)	STA. NAME/ID		
1	78	78	60	54.	39	N	173	49.	67	W	04	JUN	10	05	39	0.2	02	
SBE 9+																		
PRESS SN																		
PRI TEMP SN																		
SEC TEMP SN																		
PRI COND SN																		
SEC COND SN																		
NIS	DEPTH	Roset.	Hydro Team-PMEL						Jessica	Weingartner	Sambrotto	Jen	Lomas	Moran	Hanvey	Carin/	Katrin	
No.	DESIRED	notes	SALT	Nut.Btl	O2-BtlNo	CHL.	Frac CHL.	DIC/AIK	DOC	O18	Urea	Part.	Prod	DON	Th	Lessard	Sheir	Nis
1	75	B7m	141															1
2	50		142															2
3	40		143															3
4	30		144															4
5	20		145															5
6	10		146															6
7	0		147															7
8																		8
9																		9
10																		10
11																		11
12																		12

ICE LOG: Surface Ice Conditions or proximity to ice edge

Rosette Notes:

7, 2 - 1m/s out of water

3, 4 - 1m/s when vented

VESSEL R/V Thomas G. Thompson		CRUISE ID TN249		PROJECT & LEG BEST/BSIERR_Spring'10		Ship's CTD filename 249xxxx		STATION NO.												
CONSC CAST #	LATITUDE DEG MIN	LONGITUDE DEG MIN	DAY	MO	YR	HR	MIN	(°C)	(°C)	(mb)	*	*	(deg)	(kts)	*	*	*	(m)	STA. NAME/ID	
1	79 6 1 0 3 . 9 9 N	173 4 9 . 6 5 W	04	JUN	10	06	59	+0.2	.02		1	22	23		78		70 m 50			
SBE 9+																				
PRESS SN																				
PRI TEMP SN																				
SEC TEMP SN																				
PRI COND SN																				
SEC COND SN																				
NIS	DEPTH	Roset.	Hydro Team-PMEL				Jessica				Weingartner	Sambrotto		Jen	Lomas	Moran	Harvey	Carin/	Katrin	NIS
No.	DESIRED	notes	SALT	NUT.BTL	O2-BTL.NO	CHL	Frac CHL.	DIC/AIK	DOC	O18	Urea	Part.	Prod	DON			Th	Lessard	Sherr	No.
1	70	B4m	48	163																1
2	50		49	SB 1																2
3	40		50			2	2													3
4	30		51			3	3													4
5	20		52			4	4													5
6	10		53			5	5													6
7	0		4336	54		6	6													7
8																				8
9																				9
10																				10
11																				11
12																				12

ICE LOG: Surface Ice Conditions or proximity to ice edge

Rosette Notes:

VESSEL R/V Thomas G. Thompson		CRUISE ID TN249		PROJECT & LEG BEST/BSIERRP_Spring'10		Ship's CTD filename 249xxxx		2 4 9 /4601		STATION NO. 146																		
CONSC CAST #		DEPTH DEG	LATITUDE MIN	LONGITUDE DEG	MIN	DAY	MO	YR	HR	MIN	(°C)	(°C)	(mb)	*	*	(deg)	(kts)	*	*	*	(m)	SEA STATE VISIBILITY	WIND DIRN.	WIND SPD.	CLOUD (arm) TYPE	WEATHER	BOTTOM DEPTH	STA. NAME/ID
1	8061	15.0	0 N	173	44.48	W	04	JUN	10	08	28	0.3									127	25						
SBE 9+				FLUOR S/N																								
PRESS SN				SBE43-Oxy (prime)																								
PRI TEMP SN				SBE43-Oxy (sec)																								
SEC TEMP SN				Transmissometer																								
PRI COND SN				PAR S/N																								
SEC COND SN				02 Temp Sensor No.																								
NIS	DEPTH	Roset.	Hydro Team-PMEL				Jessica				Weingartner	Sambrotto		Jen	Lomas	Moran	Harvey	Carin/	Katrin	NIS								
No.	DESIRED	notes	SALT	Nut.Btl	02-Btl No	CHL.	Frac CHL.	DIC/AIk	DOC	018	Urea	Part.	Prod	DON														
1	68			55	069										230													
2	50			56		SB1																				1		
3	40			57			2																			2		
4	30			58																						3		
5	20			59			4																			4		
6	10			60			5								231											5		
7	0			61			6								232											6		
8																										7		
9																										8		
10																										9		
11																										10		
12																										11		

ICE LOG: Surface Ice Conditions or proximity to ice edge

no ice

Rosette Notes:

Only bottle 1 not leaking

VESSEL R/V Thomas G. Thompson		CRUISE ID TN249		PROJECT & LEG BEST/BSIERRP_Spring'10		Ship's CTD filename 249xxxx		STATION NO. 147										
CONSC CAST #	LATITUDE DEG MIN	LONGITUDE DEG MIN		TIME (GMT) DAY MO YR HR MIN		DRY BULB (*C)	WET BULB (*C)	PRESSURE (mb)	SEA STATE VISIBILITY	WIND DIRN. DEG	WIND SPD. (kts)	CLOUD TYPE	BOTTOM DEPTH (m)	STA. NAME/ID				
		DEG	MIN	DEG	MIN	DAY	MO	YR	HR	MIN	*	*	(deg)	(kts)	*	*	(m)	
181	61 24.72 N	173	44.13 W	04	JUN	10	1000	0	05	03	133	25				7670 M52		
SBE 9+																		
PRESS SN																		
PRI TEMP SN																		
SEC TEMP SN																		
PRI COND SN																		
SEC COND SN																		
NIS No.	DEPTH metres	ROSET. SALT	NUT. RLT	O2-BTL NO	CHL.	Frac CHL.	DIC/ALK	DOC	018	Urea Part.	Prod	DON	Jen	Lomas	Moran	Harvey	Carin/ Katriin	NIS No.
1	70	4337	62															
2	50		63		SB1													
3	40		64			2												
4	30		65															
5	20		66			3												
6	10		67			4												
7	0	Y338	68			5												
8																		
9																		
10																		
11																		
12																		

ICE LOG: Surface Ice Conditions or proximity to ice edge

Rosette Notes:

1 & 5 not heating

VESSEL R/V Thomas G. Thompson		CRUISE ID TN249		PROJECT & LEG BEST/BSIERP_Spring10		Ship's CTD filename 249xxxx		STATION NO.																
CONSC CAST #		LATITUDE		LONGITUDE				TIME (GMT)	DRY BULB	WET BULB	PRESSURE	SEA STATE	WIND DIRN.	WIND SPD.	CLOUD (am)	WEATHER	BOTTOM DEPTH	STA. NAME/ID						
		DEG	MIN	DEG	MIN	DAY	MO	YR	HR	MIN	(°C)	(°C)	(mb)	*	*	(deg)	(kts)	*	*	(m)				
1	82	6	1	24	.77	N	1	73	43	.62	W	04	JUN	1	0	1050	00	.4	.	03	1	2625	75	70M52
SBE 9+																								
PRESS SN																								
PRI TEMP SN																								
SEC TEMP SN																								
PRI COND SN																								
SEC COND SN																								
NIS	DEPTH	ROSET.		Hydro Team-PMEI		Jessica		Weingartner		Sambrotto		Jen		Lomas		Moran		Harvey		Carin/		Katrin		NIS
No.	DESIRED	notes	SALT	Nut.Bti	O2-Bti	No.	CHL.	Frac CHL.	DIC/ALK	DOC	018	Urea	Part.	Prod	DON			Th		Lessard		Sherr		No.
1	37																	X						1
2	28																							2
3	28																							3
4	28																							4
5	28																							5
6	28																							6
7	10																							7
8																								8
9																								9
10																								10
11																								11
12																								12

ICE LOG: Surface Ice Conditions or proximity to ice edge NO ICE

Rosette Notes:

1 & 7 not leaking

VESSEL R/V Thomas G. Thompson		CRUISE ID TN249		PROJECT & LEG BEST/BSTERR_Spring'10		Ship's CTD filename 249xxxxy		STATION NO. 147												
CONSC CAST #		DEPTH DEG	LATITUDE E MIN	LONGITUDE DEG	MIN	DAY	MO	YR	HR	MIN	TIME (GMT) (*C)	DRY BULB (*C)	WET BULB (mb)	PRESSURE SEA STATE	WIND DIRN.	WIND SPD.	CLOUD (amt) TYPE	WEATHER	BOTTOM DEPTH	STA. NAME/ID
1	83	161	24.66	17344.10	W	04	JUN	10	14	22	0.8	.	04	14120				7570M52		
SBE 9+											FLUOR S/N									
PRESS SN											SBE43-Oxy (prime)									
PRT TEMP SN											SBE43-Oxy (sec)									
SEC TEMP SN											Transmissometer									
PRI COND SN											PAR S/N									
SEC COND SN											02 Trip Sensor No.									
Nis	DEPTH	Roset.	Hydro Team-PMEL				Jessica				Weingartner	Sambrotto		Jen	Lomas	Moran	Hanvey	Carin/	Katrin	Nis
No.	DESIRED	notes	SALT	Nut.Btl	O2-Btl.No	CHL	Frac CHL.	DIC/AIk	DOC	018	Urea	Part.	Prod	DON		Th	Lessard	Sherr		No.
1	25																			1
2	25																			2
3	25																			3
4	25																			4
5	25																			5
6	25																			6
7	25																			7
8	25																			8
9	25																			9
10	25																			10
11	25																			11
12	25																			12

ICE LOG: Surface Ice Conditions or proximity to ice edge

no ice

Rosette Notes:

Profile only bottle not leaking

VESSEL R/V Thomas G. Thompson		CRUISE ID TN249		PROJECT & LEG		BEST/BSIERR_Spring'10						Ship's CTD filename 249xxxx		STATION NO.						
CONSC CAST #		DEPTH DEG	LATITUDE MIN	DEPTH DEG	LONGITUDE MIN	DAY	MO	YR	HR	MIN	TIME (GMT)	DRY BULB (*C)	WET BULB (*C)	PRESSURE (mb)	SEA STATE *	WIND DIRN. deg	WIND SPD. (kts)	CLOUD TYPE (am)	BOTTOM DEPTH (m)	STA. NAME/ID
1	84	61	24	66	N	17	34	44	17	w	04	JUN	10	15	30	1.0	.	04	142	16
SBE 9+																				
PRESS SN																				
PRI TEMP SN																				
SEC TEMP SN																				
PRI COND SN																				
SEC COND SN																				
NIS No.	DEPTH Desired notes	Roset.		Hydro Team-PMEL		Jessica	Weingartner		Sambrutto		Jen	Lomas	Moran	Harvey	Carin/ Lessard	Katrin	Nis No.			
1	44																			
2	44																			
3	33																			
4	33																			
5	26																			
6	24																			
7	24																			
8	15																			
9	8																			
10	4																			
11	0																			
12	0																			

ICE LOG: Surface Ice Conditions or proximity to ice edge

No ice

Rosette Notes:

1,3,4,11

Wx Recovery

VESSEL R/V Thomas G. Thompson		CRUISE ID TN249		PROJECT & LEG BEST/BSIERP-Spring'10						Ship's CTD filename 249xxxx		STATION NO.								
CONSC CAST #		DEPTH	LATITUDE	DEPTH	MIN	DAY	MO	YR	HR	MIN	(°C)	(°C)	(mb)	*	*	WIND DIRN. (deg)	WIND SPD. (kts)	CLOUD TYPE WEATHER	BOTTOM DEPTH (m)	STA. NAME/ID
1	85	61	33.58 N	173	42.75 W	04	JUN	10	18	59	11.1	10.0	05	142	17				7370	M53
SBE 9+				FLUOR S/N																
PRESS SN				SBE43-Oxy (prime)																
PRI TEMP SN				SBE43-Oxy (sec)																
SEC TEMP SN				Transmissometer																
PRI COND SN				PAR S/N																
SEC COND SN				02 Tmp Setson No.																
NIS	DEPTH	Roset.	Hydro Team-PMEL						Jessica		Weingartner	Sambrotto	Jen	Lomas	Moran	Harvey	Carin/ Katrin	Katrin	NIS	
No.	DESIRED	notes	SALT	Nut.Btl	O2-Btl.No	CHL	Frac CHL.	DIC/AIK	DOC	018	Urea	Part.	Prod	DON		Th	Lessard	Sherr	No.	
1	69			70																1
2	50			71		SB1	SA 1													2
3	40			72		2	2													3
4	30			73		3	3													4
5	20			74		4	4													5
6	10			75		5	5													6
7	0			76		6	6													7
8																				8
9																				9
10																				10
11																				11
12																				12

ICE LOG: Surface Ice Conditions or proximity to ice edge

ice

Rosette Notes:

all bottles leaking

VESSEL R/V Thomas G. Thompson		CRUISE ID TN249		PROJECT & LEG BEST/BSIERR_Spring'10		Ship's CTD filename 2 4 9 /4901		STATION NO. 149						
CONSC CAST #		LATITUDE DEG MIN	LONGITUDE DEG MIN	TIME (GMT) DAY	DRY BULB HR	WET BULB MIN	PRESSURE (°C)	SEA STATE VISIBILITY	WIND DIRN.	WIND SPD.	CLOUD TYPE	WEATHER	BOTTOM DEPTH	STA. NAME/ID
1	86 61 43 . 63 N	173 51 . 35 W	04 JUN 10	2033	1.3	.05	147 15	72	70	M54				
SBE 9+				FLUOR S/N										
PRESS SN				SBE43-Oxy (prime)										
PRI TEMP SN				SBE43-Oxy (sec)										
SEC TEMP SN				Transmissometer										
PRI COND SN				PAR S/N										
SEC COND SN				02 Tmp Sensor No.										
Nis No.	DEPTH Desired notes	ROSETT	Hydro Team-PMEL	Jessica	Weingartner	Sambrotto	Jen	Lomas	Moran	Harvey	Cairn'	Katrin	Nis No.	
1	67 m	Btm	<77 >216				239							
2	50		<78	<SB1										1
3	40		<79	< 2										2
4	30		<80	< 3										3
5	28													4
6	28													5
7	20		<81	< 4										6
8	10		<82	< 5			<240							7
9	0	<340>	83	< 6			<241							8
10														9
11														10
12														11
														12

ICE LOG: Surface Ice Conditions or proximity to ice edge

Rosette Notes:

2, 9 - weak enter water

3, 4, 7 - weaker when
winter

VESSEL R/V Thomas G. Thompson		CRUISE ID TN249		PROJECT & LEG BEST/BSIERP_Spring'10		Ship's CTD filename 249xxxx		STATION NO. 150														
CONSC CAST #		LATITUDE		LONGITUDE		TIME (GMT)	DRY BULB	WET BULB	PRESSURE	SEA STATE	WIND DIRN.	WIND SPD.	CLOUD (am)	WEATHER	BOTTOM DEPTH	STA. NAME/ID						
		DEG	MIN	DEG	MIN	DAY	MO	YR	HR	MIN	(°C)	(°C)	(mb)	*	*	(deg)	(kts)	*	*	(m)		
1	87	6	15	1	.76	N	17	40	6	.90	W	04	JUN	10	2204	1	.5	.	06	14317	73	70 m 55
SBE 9+																						
PRESS SN																						
PRI TEMP SN																						
SEC TEMP SN																						
PRI COND SN																						
SEC COND SN																						
NIS	DEPTH	ROSET.	Hydro Team-PMEU		Jessica		Weingartner	Sambrotto		Jen	Lomas	Moran	Harvey	Carin/	Katrin	NIS						
No.	DESIRED	notes	SALT	Nut.Btl	O2-Btl No	CHL.	Frac CHL.	DIC/ALK	DOC	018	Urea	Part.	Prod	DON								
1	67	Btm		84																		
2	50			85																		
3	40			86																		
4	30			87																		
5	20			88																		
6	10			89																		
7	0			90																		
8																						
9																						
10																						
11																						
12																						

ICE LOG: Surface Ice Conditions or proximity to ice edge

Rosette Notes:

2, 7 - 12 knts out of water

3, 4, 6 - look for when wanted

VESSEL RV Thomas J. Thompson	CRUISE TN249	PROJECT & LEG BESTBSIERP Spin-0	Ship's CTD filename 249xxxx										STATION NO.						
			CONSC CAST #	LATITUDE		LONGITUDE		TIME (GMT)			DRY BULB (°C)	WET BULB (°C)	PRESSURE (mb)	SEA STATE DIRN. * (deg)	WIN D CLOUD (an) TYPE WEATHER	BOTTOM DEPTH STA. NAME/ID			
				DEG	MIN	DEG	MIN	DAY	MO	YR	HR	MIN	(°C)	(°C)	(mb)	*	*	*	(m)
1	88	61 56 .58 N	17 42 1 .83 W	04	JUN	10	23 47	1	.5	.	06	14218	74	70	m	56			
SBE 9+																			
PRESS SN																			
PRI TEMP SN																			
SEC TEMP SN																			
PRI COND SN																			
SEC COND SN																			
Nis	DEPTH	Roset.	Hydro Team-PMEL				Jessica				Weingartner	Sambrotto	Jen	Lomas	Moran	Harvey	Carin/	Katin	Nis
No.	DESIRED	notes	SALT	Nut.BH	O2-BH.No	CHL	Frac CHL	DIC/ALK	DOC	O18	Urea	Part.	Prod	DON		Th	Lessard	Sherr	No.
1	68	Btm	1341	✓ 91	✓ 064					242									1
2	50		✓ 92		✓ 81	SA1													2
3	40		✓ 93		✓ 12	12													3
4	30		✓ 94		✓ 63	✓ 3													4
5	25																		5
6	20		✓ 95		✓ 534	✓ 4													6
7	10		✓ 96		✓ 15	✓ 5				243									7
8	0		✓ 97		✓ 6	✓ 6				244									8
9																			9
10																			10
11																			11
12																			12

ICE LOG: Surface ice conditions or proximity to ice edge

Rosette Notes:

2
- Leaking out of water

3,4,7 - leaking after venting

VESSEL R/V Thomas J. Thompson		CRUISE TN249		PROJECT & LEG BEST/BSIERP Sp... 10		Ship's CTD filename 249xxxxyy		STATION NO. 15201										
CONSC CAST #	LATITUDE		LONGITUDE		TIME (GMT)		DRY BULB	WET BULB	PRESSURE	SEA STATE	WIND DIRN.	WIN D SPD.	CLOUD (an)	WEATHER	BOTTOM DEPTH	STA. NAME/ID		
	DEG	MIN	DEG	MIN	DAY	MO	YR	HR	MIN	(°C)	(°C)	(mb)	*	*	(deg)	(kts)	*	*
1896201.58N	17439.52W	05JUN10	00115	1.5	0.6	150	18	75	70	m57								
SBE 9+																		
PRESS SN																		
PRI TEMP SN																		
SEC TEMP SN																		
PRI COND SN																		
SEC COND SN																		
Nis	DEPTH	Roset.	Hydro Team-PMEL				Jessica		Weingartner	Sambrotto	Jen	Lomas	Moran	Harvey	Carin'	Katrin	Nis	
No.	DESIRED	notes	SALT	Nut.BH	O2-BH.No.	CHL	Frac CHL	DIC/ALK	DOC	O18	Urea	Part.	Prod	DON		Sherr	No.	
1	70m		198						245								1	
2	50		99		LD												2	
3	40		100		2												3	
4	30		101		3												4	
5	20		102		4												5	
6	10		103		5				246								6	
7	0		104		6				247								7	
8																	8	
9																	9	
10																	10	
11																	11	
12																	12	

ICE LOG: Surface Ice Conditions or proximity to ice edge

Rosette Notes:

2 -icker out of water

3,5,4 - lookin after vented

VESSEL RV Thomas J. Thompson	CRUISE TN249 TN249	PROJECT & LEG BESTBSIERP Sp. 10	Ship's CTD filename 249xxx 2 4 9 530)										STATION NO. 150						
			CONSC CAST #	LATITUDE		LONGITUDE		TIME (GMT)			DRY BULB (°C)	WET BULB (°C)	PRESSURE (mb)	SEA STATE DIRN.	WIND D. SPD.	WIN CLOUD (an) TYPE	BOTTOM DEPTH	STA. NAME/ID	
				DEG	MIN	DEG	MIN	DAY	MO	YR	HR	MIN	(°C)	*	*	(deg)	(kts)	*	*
			SBE 9+																
			PRES SN																
			PRT TEMP SN																
			SEC TEMP SN																
			PR COND SN																
			SEC COND SN																
Nis	DEPTH	Roset.	Hydro Team-PMEL				Jessica				Weingartner	Sambrotto	Jen	Lomas	Moran	Harvey	Carin'	Katrin	Nis
No.	DESIRED	notes	SALT	Nut.BH	O2-BH	No.	CHL.	Frac	CHL	DIC/ALK	DOC	O18	Urea	Part.	Prod	DON			No.
1	68m		~105	~016								~248							1
2	50		~104																2
3	40		~107																3
4	30		~108																4
5	20		~109																5
6	10		~110																6
7	0		~111																7
8																			8
9																			9
10																			10
11																			11
12																			12

ICE LOG: Surface Ice Conditions or proximity to ice edge

Rosette Notes:

2, 7 - 12 holes out of water
3, 4, 5 - 12 holes when vented

VESSEL R/V Thomas J. Thompson		CRUISE TN249		PROJECT & LEG BESTBSIERP Spr. 2010		Ship's CTD filename 249xxxyy		STATION NO. 15401									
CONSC CAST #	LATITUDE		LONGITUDE		TIME (GMT)		DRY BULB	WET BULB	PRESSURE	SEA STATE	WIND DIRN.	WIN D CLOUD (an SPD.)	WEATHER	BOTTOM DEPTH	STA. NAME/ID		
	DEG	MIN	DEG	MIN	DAY	MO	YR	HR	MIN	(°C)	(°C)	(mb)	*	*	(deg) (kts)	*	(m)
19	162	12.92	N	175	56.41	W	05	JUN	10	06	37	1.5	.	06	17312	91	SL14
SBE 9+																	
PRESS SN																	
PRI TEMP SN																	
SEC TEMP SN																	
PRI COND SN																	
SEC COND SN																	
Nis	DEPTH	Roset.	Hydro Team-PMEL		Jessica		Weingartner	Sambrotto	Jen	Lomas	Moran	Harvey	Carin/	Katrin	Nis	No.	
No.	DESIRED	notes	SALT	Nut.Bu	O2-Bu.No	CHL.	Frac CHL	DICAIK	DOC	O18	Urea	Part.	Prod	DON			
1	85	Btm	43444	112													1
2	75		113														2
3	50		114			SB 1	SA 1										3
4	40		115			1	2	1									4
5	30		116			3	1	3									5
6	20		117			4	1	4									6
7	10		118			5	1	5									7
8	0		119			6	1	6									8
9																	9
10																	10
11																	11
12																	12

ICE LOG: Surface Ice Conditions or proximity to ice edge

Rosette Notes: 8 - leaker out of water
2, 3, 4, 5, 6, 7 - leakers when vented

VESSEL RV Thomas J. Thompson	CRUISE TN249	PROJECT & LEG BESTBSIERP Spring 2010	Ship's CTD filename 249xxxx 2 4 9 15501										STATION NO. 10						
			CONSC CAST #	LATITUDE		LONGITUDE		TIME (GMT)			DRY BULB	WET BULB	PRESSURE (°C)	SEA STATE DIRN.	WIND SPD.	CLOUD (an)	TYPE	BOTTOM DEPTH	STA. NAME/ID
				DEG	MIN	DEG	MIN	DAY	MO	YR	Hr	Min	(°C)	(mb)	*	*	(deg)	(kts)	*
			19262	12	.95	N	17533	.04	W	05	JUN	10	0810	1.6	.	07	178	/	863413
SBE 9+																			
PRESS SN																			
PRI TEMP SN																			
SEC TEMP SN																			
PRI COND SN																			
SEC COND SN																			
Nis	DEPTH	Roset.	Hydro Team-PMEL					Jessica			Weingartner	Sambrotto	Jen	Lomas	Moran	Harvey	Carin'	Katrin	
No.	DESIRED	notes	SALT	Nut.BH	O2-BH.No	CHL	Frac CHL	DIC/ALK	DOC	O18	Urea	Part.	Prod	DON		Th	Lassard	Sher	Nis No.
1	80																		1
2	50																		2
3	40																		3
4	30																		4
5	20																		5
6	10																		6
7	0																		7
8																			8
9																			9
10																			10
11																			11
12																			12

ICE LOG: Surface Ice Conditions or proximity to ice edge

100 100

Rosette Notes:

All bottles leaking

VESSEL R/V Thomas J. Thompson	CRUISE TN249 TN249	PROJECT & LEG BESTBSIERP Spn. 2.0		Ship's CTD filename 249xxxx		STATION NO. 15											
CONSC CAST #	LATITUDE		LONGITUDE		TIME (GMT)	DRY BULB (°C)	PRESSURE (mb)	SEA STATE DIRN.	WIND D. SPD. TYPE	BOTTOM DEPTH	STA. NAME/ID	*	*	(deg)	(kts)	*	*
	DEG	MIN	DEG	MIN	DAY	MO	YR	HR	MIN	°C	*	*	(deg)	(kts)	*	*	*
19362.11.28 N	17508.81 W	05 JUN 10	1039	11.4	0.08	215	12			795	12						
SBE 9+																	
PRESS SN																	
PRI TEMP SN																	
SEC TEMP SN																	
PRI COND SN																	
SEC COND SN																	
Nis	DEPTH	Roset.	Hydro Team-PMEL				Jessica	Weingartner	Sambrotto	Jen	Lomas	Moran	Harvey	Carin'	Katrin	Nis	
No.	DESIRED	notes	SALT	Nut.Btl	O2-Btl.No	CHL.	Frac CHL	DIC/ALK	DOC	O18	Urea	Part.	Prod	DON			
1	74																1
2	60																2
3	50																3
4	40																4
5	30																5
6	27																6
7	27																7
8	27																8
9	27																9
10	27																10
11	20																11
12	0																12

ICE LOG: Surface ice conditions or proximity to ice edge

Rosette Notes:

bottles 9-12 not making use

VESSEL RV Thomas J. Thompson	CRUISE TN249 TN249	PROJECT & LEG BESTBSIERP Sprn., 0		Ships CTD filename 249xxxyy		STATION NO. 15602													
		CONSC CAST #	LATITUDE	LONGITUDE	TIME (GMT)	DRY BULB (°C)	WET BULB (°C)	PRESSURE (mb)	SEA STATE DIRN.	WIND D SPD. TYPE	BOTTOM DEPTH	STA. NAME/ID							
			19 46 21	11.34 N	175 09.18 W	05 JUN 10	115 31.0	09	194 8										
SBE 9+																			
PRESS SN																			
PRI TEMP SN																			
SEC TEMP SN																			
PRICOND SN																			
SEC COND SN																			
Nis	DEPTH	Roset.	Hydro Team-PMEL				Jessica	Weingartner	Sambrotto	Jen	Lomas	Moran	Harvey	Carin'	Katrin	Nis			
No.	DESIRED	notes	SALT	Nut.BH	O2-BH No.	CHL	Frac CHL	DICAIK	DOC	O18	Urea	Part.	Prod	DON		Th	Lessard	Sherr	No.
1	75		Y345-3	113											1	+	DA		1
2	50		4												2	+	DA		2
3	40		5												3	+	poc1	DA	
4	30		6												4	+	DA		4
5	20		7												5	+	poc1	DA	
6	10		8												6	+	DA		6
7	0		9												7	+	66(1,1)	DA	
8															8				
9															9				
10															10				
11															11				
12															12				

ICE LOG: Surface Ice Conditions or proximity to ice edge

ND ice

Rosette Notes:

2, 4, 6 Leaking

VESSEL
R/V Thomas J. Thompson

CRUISE TN249

PROJECT & LEG
BEST/BSIERP Spring 2000

Ship's CTD filename
249xxxx

STATION NO.
15603

CONSC CAST #	LATITUDE		LONGITUDE		TIME (GMT)			DRY BULB (°C)	WET BULB (°C)	PRESSURE (mb)	SEA STATE * * (deg)	WIND DIRN. SPD. (kts)	WIN D CLOUD TYPE WEATHER	BOTTOM DEPTH (m)	STA. NAME/ID	
	DEG	MIN	DEG	MIN	DAY	MO	YR									
19562	11	.34	N	7509	.1	1	W	05	JUN 10	1430	6.9	.	09	186	8	
SBE 9+																
PRESS SN																
PRI TEMP SN																
SEC TEMP SN																
PRI COND SN																
SEC COND SN																
Nis	DEPTH	Roset.	Hydro Team-PMEL				Jessica				Weingartner	Sambrotto	Jen	Lomas	Moran	Harvey
No.	DESIRED	notes	SALT	Nut.Btl	O2-Btl.No	CHL	Frac CHL	DIC/ALK	DOC	O18	Urea	IPart.	Prod	DON	Carin'	Katrin
1	42		10												Sherr	No.
2	42															1
3	29															2
4	29															3
5	29															4
6	29															5
7	29															6
8	29															7
9	29															8
10	29															9
11	29															10
12	29															11
																12

ICE LOG: Surface Ice Conditions or proximity to ice edge

No ice

Rosette Notes:

VESSEL R/V Thomas J. Thompson	CRUISE TN249	PROJECT & LEG BESTBSIERP Spri., 0		Ships CTD filename 249xxxx		STATION NO. 150			
		TIME (GMT)	DRY BULB (°C)	WET BULB (°C)	PRESSURE (mb)	SEA STATE DIRN. (deg)	WIND D SPD. (kts)	WIN D CLOUD (an) TYPE WEATHER	BOTTOM DEPTH (m)
CONSC CAST #	LATITUDE	LONGITUDE	DAY	MO	YR	HR	MIN		
	DEG MIN	DEG MIN							
196 62 11.34 N	175 09.12 W	05 JUN 10	1534	11	.10	225	5	79	54/2
SBE 9+									
PRESS SN									
PRT TEMP SN									
SEC TEMP SN									
PRI COND SN									
SEC COND SN									
Nis DEPTH	Roset.	Hydro Team-PMEL	Jessica	Weingartner	Sambrotto	Jen	Lomas	Moran	Harvey
No. DESIRED	holes	SALT	Nut.Bu	O2-Bu.No	CHL. Frac	CHL	DIC/ALK	DOC	O18
1 40									Th
2 40									Lassard
3 32									Sherr
4 32									
5 24									
6 24									
7 14									
8 14									
9 10									
10 5									
11 0									
12									
ICE LOG: Surface Ice Conditions or proximity to ice edge									

Rosette Notes:

4,5,6 leaking

No ice

VESSEL R/V Thomas J. Thompson	CRUISE TN249	PROJECT & LEG BESTBSIERP Spring 2000	Ship's CTD filename 249xxxx						STATION NO. 157															
			CONSC CAST #	DEG LATITUDE	MIN	DEG LONGITUDE	MIN	DAY	MO	YR	HR	MIN	TIME (GMT)	DRY BULB (°C)	WET BULB (°C)	PRESSURE (mb)	SEA STATE *	WIND DIRN. (deg)	WIN D CLOUD TYPE	BOTTOM DEPTH	STA. NAME/ID (m)			
197	62	08.80	N	173	58.41	W	05	JUN	10	20	41	0.7	1.2	1012	260	82	64	5410						
SBE 9+																								
PRES SN																								
PRI TEMP SN																								
SEC TEMP SN																								
PRI COND SN																								
SEC COND SN																								
Nis	DEPTH	Roset.	Hydro Team-PMEL						Jessica						Weingartner	Sambrotto		Jen	Lomas	Moran	Harvey	Cain/ Sierr	Katrin	Nis
No.	DESIRERED	notes	SALT	Nut.Bu	O2-Bu No	CHL	Frac CHL	DIC/AK	DOC	O18	Urea	Part.	Prod	DOX			Th	Lessard			No.			
1	61 m	B3m		12	232																1			
2	50		13			SB	1	SA	1												2			
3	40		14			2	12														3			
4	30		15			3	3														4			
5	20		16			4	4														5			
6	10		17			5	5														6			
7	0		18			6	6														7			
8																					8			
9																					9			
10																					10			
11																					11			
12																					12			

ICE LOG: Surface Ice Conditions or proximity to ice edge

Rosette|Notes:

VESSEL R/V Thomas G. Thompson		CRUISE ID TN249		PROJECT & LEG BEST/BStERp, Spring'10		Ship's CTD filename TN249xxxx		2 4 9 / 5801		STATION NO. 158														
CONSC CAST #		DEG	MIN	DEG	MIN	DAY	MO	YR	HR	MIN	(°C)	(°C)	(mb)	*	*	(deg)	(kts)	*	*	(m)	STA. NAME/ID			
											WET BULB	PRESSURE	SEA STATE	WIND DIRN.	WIND SPD.	CLOUD TYPE	WEATHER	BOTTOM DEPTH						
1	9	8	6	2	0	5	.7	6	N	17	3	17	.2	7	w	05	JUN	10	2304	1.3	13	2662	611	SL09
SBE 9+											FLUOR S/N													
PRESS SN											SBE43-Oxy (prime)													
PRI TEMP SN											SBE43-Oxy (sec)													
SEC TEMP SN											Transmissometer													
PRI COND SN											PAR S/N													
SEC COND SN											O2 Tmp Sensor No.													
NIS	DEPTH	ROSET.		Hydro Team-PMEI				Jessica		Weingartner	Sambrotto	Jen	Lomas	Moran	Harvey	Carin/	Katrin	NIS						
No.	DESIRED	notes	SALT	NUT.BH	O2-BH.NO	CHL.	Frac CHL	DIC/AIK	DOC	018	Urea	Part.	Prod	DON		Th	Lessard	Sherr	No.					
1	55		Y348	19							263					4				1				
2	50		120			LD														2				
3	40		121			12										3				3				
4	30		122			13										2				4				
5	20		123			14										1				5				
6	10		124			15					264									6				
7	0		125			16					265					1				7				
8																			8					
9																			9					
10																			10					
11																			11					
12																			12					

ICE LOG: Surface Ice Conditions or proximity to ice edge

Rosette Notes:

VESSEL R/V Thomas G. Thompson		CRUISE ID TN249		PROJECT & LEG BEST/BSIERP_Spring'10		Ship's CTD filename 249xxxx		STATION NO. 159													
CONSC CAST #	LATITUDE DEG MIN	LONGITUDE DEG MIN	TIME (GMT) DAY MO YR HR MIN	DRY BULB °C)		WET BULB °C)		PRESSURE mb)		SEA STATE VISIBILITY	WIND DIRN.	WIND SPD. kts)	CLOUD (am) TYPE	WEATHER	BOTTOM DEPTH (m)	STA. NAME/ID					
				DEG	MIN	DEG	MIN	DAY	MO	YR	HR	MIN	(°C)	(°C)	(mb)	*	*	(deg)	(kts)	*	*
1	99 60	31.38 N	175 32.83 W	06	JUN	10	11	19		1.6	16	26	2	5		111	EV6				
SBE 9+																					
PRESS SN																					
PRI TEMP SN																					
SEC TEMP SN																					
PRI COND SN																					
SEC COND SN																					
NIS DEPTH	Roset.	Hydro Team-PMEL		Jessica		Weingartner	Sambrutto		Jen	Lomas	Moran	Harvey	Carin/ Sherri		Katrin	NIS No.					
No. DESIRED notes	SALT	Nut Brt	02-Btu No	CHL..	Frac CHL.	DIC Alk	DOC	018	Urea	Part.	Prod	DON			Th	Lessard	Sherr				
1	106	Y350	1	1														1			
2	75		2															2			
3	50		3															3			
4	40		4															4			
5	30		5															5			
6	20		6															6			
7	10		7															7			
8	0		8															8			
9																		9			
10																		10			
11																		11			
12																		12			

ICE LOG: Surface Ice Conditions or proximity to ice edge

no ice

Rosette Notes:

2, 4, 7 melting

VESSEL R/V Thomas G. Thompson		CRUISE ID TN249		PROJECT & LEG BEST/BSIERP Spring'10		Ship's CTD filename 249xxxx		STATION NO.								
CONSC CAST #	DEPTH	LATITUDE		LONGITUDE		TIME (GMT)	DRY BULB (°C)	WET BULB (°C)	PRESSURE (mb)	SEA STATE DIRN. (deg)	WIND SPD. (kts)	CLOUD TYPE	WIND DIRN. (deg)	BOTTOM DEPTH (m)	STA. NAME/ID	
	DEG	MIN		DEG	MIN	DAY	MO	YR	HR	MIN	*	*	*	*		
2006006.37	N	17748.54	W	06	JUN	10	18	55	2.6	.	19	336	3	142	AL3	
SBE 9+																
PRESS SN																
PR TEMP SN																
SEC TEMP SN																
PR COND SN																
SEC COND SN																
Nis	DEPTH	ROSET:	Hydro Team-PMEI		Jessica		Weingartner	Sambrotto	Jen	Lomas	Moran	Harvey	Carin/ Karm	Nis	No	
No.	DESIRED	notes	SALT	Nut.Btl	O2-Btl#No	CHL	Ft	~	Mr	Urea	Part	Prod	DON	Th	Lessard	Sher
1	139		9	11												1
2	100		10													2
3	75		11													3
4	50		12													4
5	40		13													5
6	30		14													6
7	20		15													7
8	10		16													8
9	0		17													9
10																10
11																11
12																12

ICE LOG: Surface Ice Conditions or proximity to ice edge

no ice

Rosette Notes:

Bottles 2 & 6 leaking

*Sensor 2 was lowered to bottom
Cage to see "clear"
water*

From this cast on temp & salt sensors #2 were moved lower on cage to try to eliminate influence of cage & bottles on measurement temp & salt sensors #1 were not moved (to provide continuity). Rob H. Verified which sensor moved (#2).

VESSEL R/V Thomas G. Thompson		CRUISE ID TN249		PROJECT & LEG BEST/BSIERP, Spring '10		Ship's CTD filename 249xxxx		STATION NO. 161	
CONSC CAST #		DEG MIN	LATITUDE	DEG MIN	LONGITUDE	DAY	MO	YR	TIME (GMT)
SBE 9+									DRY BULB
PRESS SN									WET BULB
PRI TEMP SN									PRESSURE
SEC TEMP SN									SEA STATE VISIBILITY
PRI COND SN									WIND DIRN.
SEC COND SN									WIND SPD.
NIS DEPTH	RoSet:		Hydro Team-PMEI		Jessica	Weingartner	Sambrotto	Jen	CLOUD (am)
No. DESIRED	notes	SALT	Nut.Bt	O2-Bt/No	CHL	Frac CHL	DOC	O18	TYPE WEATHER
1	200		18					Urea	BOTTOM DEPTH
2	150		19					Part.	STA. NAME/ID
3	125		20					Prod	
4	100		21					DON	
5	75		22						
6	60		23						
7	50		24		SB1				
8	40		25		2				
9	30		26		3				
10	25		27		4				
11	15		28		5				
12	0		29		6				

ICE LOG: Surface Ice Conditions or proximity to ice edge

Rosette Notes:

VESSEL R/V Thomas J. Thompson		CRUISE TN249		PROJECT & LEG BEST/BSIERP Spin_0		Ship's CTD filename 249xxxx		STATION NO. 16201											
CONSC CAST #	LATITUDE		LONGITUDE		TIME (GMT)		DRY BULB	WET BULB	PRESSURE (mb)	SEA STATE (deg)	WIND DIRN.	WIN D	CLOUD (an)	WEATHER	BOTTOM DEPTH	STA. NAME/ID			
	DEG	MIN	DEG	MIN	DAY	MO	YR	Hr	Min	(°C)	(°C)	(mb)	*	*	(m)				
202	59	54.000	N	179	26.22	W	07	JUN	10	0213	3.4	1020	255	5	2672	MN20			
SBE 9+																			
PRESS SN																			
PRI TEMP SN																			
SEC TEMP SN																			
PRI COND SN																			
SEC COND SN																			
Nis		Roset.		Hydro Team-PMEL		Jessica		Weingartner		Sambrotto		Jen	Lomas	Moran	Harvey	Carin/ Katrin	Nis		
No.	DESIRED	Notes	SALT	Nut.Bu	O2-BLNO	CHL	Frac CHL	DIC/ALK	DOC	O18	Urea	Part.	Prod	DON		Th	Lessard	Sherr	No.
1	Bottom	2660	Y352	30	235													1	
2	2500		31															2	
3	2250		32		227													3	
4	2010		33															4	
5	1750		34		219													5	
6	1500		35		243													6	
7	1250																	7	
8	1000																	8	
9	750	Peak																9	
10	500																	10	
11	400																	11	
12	300																	12	

ICE LOG: Surface Ice Conditions or proximity to ice edge

Rosette Notes:
9 - leaker out of water
8, 7, 10, 2, - leaker when wanted

VESSEL
R/V Thomas J. Thompson

CRUISE TN249

PROJECT & LEG
BEST/BSIERP Spr. 2010

Ship's CTD filename
249xxxx

STATION NO.
b2

CONSC CAST #	LATITUDE		LONGITUDE		DAY	MO	YR	TIME (GMT)	DRY BULB (°C)	WET BULB (°C)	PRESSURE (mb)	SEA STATE * (deg)	WIND DIRN.	WIN D SPD. TYPE	CLOUD TYPE	BOTTOM DEPTH	STA. NAME/ID	
	DEG	MIN	DEG	MIN														
2 0 3 5 9 5 4 . 0 1 N	1 7 9 2 6 . 2 5 W	0 7 J U N 1 0 0 4 3 9	3 . 6	.	2 0	2 5 5	4									2 7 5	M N 2 0	
SBE 9+			FLUOR SN															
PRESS SN			SBE43-Oxy (prime)															
PRI TEMP SN			SBE43-Oxy (sec)															
SEC TEMP SN			Transmissometer															
PRI COND SN			PAR SN															
SEC COND SN			O2 Temp Sensor No.															
Nis	DEPTH	Roset.	Hydro Team-PMEL		Jessica		Weingartner		Sambrotto		Jen	Lomas	Moran	Harvey	Cain/	Katrin	Nis	
No.	DESIRED	notes	SALT	Nut.Btl	O2-Btl No	CHL	Frac CHL	DIC/AIk	DOC	O18	Urea	Part	Prod	DON		Th	Lessard	Sher
1	300																	1
2	250		✓ 42	✓ 30														2
3	200		✓ 43	✓ 151														3
4	150		✓ 44	✓ 112														4
5	100		✓ 45	✓ 198														5
6	75	✓ 100cc	✓ 46															6
7	50'		✓ 47		SB1													7
8	40		✓ 48	✓ 060	✓ 2													8
9	30'		✓ 49		✓ 3													9
10	20'		✓ 50		✓ 4													10
11	10'		✓ 51		✓ 5													11
12	0'		✓ 52	✓ 145	✓ 6													12

ICE LOG: Surface Ice Conditions or proximity to ice edge

Rosette Notes:

5, 7 - 100% when vented

6 - 100% out of water

VESSEL R/V Thomas J. Thompson		CRUISE TN249		PROJECT & LEG BEST/BSIERP Spn. 10		Ship's CTD filename 249xxxx		TIME (GMT)		DRY BULB		WET BULB		PRESSURE (mb)		SEA STATE * * (deg)		WIND DIRN.		WIN D CLOUD TYPE WEATHER		BOTTOM DEPTH		STA. NAME/ID		STATION NO.		
CONSC CAST #		LATITUDE	LONGITUDE	DEG	MIN	DEG	MIN	DAY	MO	YR	HR	MIN	(°C)	(°C)	(mb)	*	*	(deg)	(kts)	*	*	*	(m)					
204	59	54.04 N	178 53.82 W	07	JUN	10	09	02	3.7	.	21		278	5									468	M119				
SBE 9+																												
PRESS SN																												
PRI TEMP SN																												
SEC TEMP SN																												
PRI COND SN																												
SEC COND SN																												
Nis	DEPTH	Roset.	Hydro Team-PMEL				Jessica				Weingartner				Sambrotto				Jen	Lomas	Moran	Harvey	Carin/ Katri	Katrin	Nis			
No.	DESIRED notes		SALT	Nut.BH	O2-BH No	CHL.	Frac CHL	DIC/ALK	DOC	O18	Urea	Part.	Prod	DON					Th	Lessard	Short			No.				
1	463	X354	53	242																							1	
2	400		54																								2	
3	300		55																								3	
4	200		56																									
5	100		57																									
6	75		58																								5	
7	50		59																								6	
8	40		60																								7	
9	30		61																								8	
10	18		62																								9	
11	10		63																								10	
12	6		64																								11	
																											12	

ICE LOG: Surface Ice Conditions or proximity to ice edge

NO ICE

Rosette Notes:

leaching

VESSEL
R/V Thomas J. Thompson
CRUISE TN249

PROJECT & LEG
BEST/SEIRP Spring '00

Ship's CTD filename
249xxxxyy

STATION NO.
101B

CONSC CAST #	LATITUDE		LONGITUDE		TIME (GMT)	DRY BULB	WET BULB	PRESSURE (mb)	SEA STATE DIRN.	WIND SPD.	WIN D CLOUD TYPE	WEATHER	BOTTOM DEPTH	STA. NAME/ID		
	DEG	MIN	DEG	MIN	DAY	MO	YR	HR	MIN	(°C)	(°C)	(deg)	(kts)	*	*	
2055953.60 N			17853.90 W		07	JUN	10	11	15	4.0	1.22	288	4	657	MM19	
SBE 9+			FLUOR SN													
PRESS SN			SBE43-Oxy (prime)													
PRI TEMP SN			SBE43-Oxy (sec)													
SEC TEMP SN			Transmissometer													
PRI COND SN			PAR SN													
SEC COND SN			O2 Temp Sensor No.													
Nis	DEPTH	Roset.	Hydro Team-PMEL				Jessica		Weingartner	Sambrotto	Jen	Lomas	Moran	Harvey	Cain/	Katrin
No.	DESIRED notes	SALT	Nut.Blt	O2-Btl No.	CHL	Frac CHL	DIC/ALK	DOC	O18	Urea	Part.	Prod	DON		Sherr	No.
1	60		65											X		1
2	55															2
3	40		66													3
4	30															4
5	13-															5
6	13-															6
7	13-															7
8	13-															8
9	13-															9
10	13-															10
11	0															11
12	0															12

ICE LOG: Surface Ice Conditions or proximity to ice edge

NO 101

Rosette Notes:

b - Deakin

VESSEL R/V Thomas G. Thompson		CRUISE ID TN249		PROJECT & LEG BEST/BSIERR_Spring'10		Ship's CTD filename 249xxxx		2 4 9 / 6303		STATION NO. 163																									
CONSC CAST #		DEG	MIN	DEG	MIN	DAY	MO	YR	HR	MIN	(°C)	(°C)	(mb)	*	*	(deg)	(kts)	*	*	(m)	SEA STATE VISIBILITY	WIND DIRN.	WIND SPD.	CLOUD (amt) TYPE	WEATHER	BOTTOM DEPTH	STA. NAME/ID								
Z	0	6	5	9	5	3.	6	0	1	7	8	5	3.	9	0	W	0	7	J	U	N	1	0	1	4	4	9	3.	1	9	22	268	4	656	MN19
SBE 9+																																			
PRESS SN																																			
PRI TEMP SN																																			
SEC TEMP SN																																			
PRI COND SN																																			
SEC COND SN																																			
Nis	DEPTH	Roset.																																	
No.	DESIRED	notes	SALT	Nut.Btl	O2-Btl.No	CHL	Frac CHL	DIC/AIK	DOC	O18	Urea	Part.	Prod	DON																					
1	17																																		
2	17																																		
3	17																																		
4	17																																		
5	17																																		
6	17																																		
7	17																																		
8																																			
9																																			
10																																			
11																																			
12																																			

ICE LOG: Surface Ice Conditions or proximity to ice edge

Rosette Notes:

VESSEL R/V Thomas G. Thompson		CRUISE ID TN249		PROJECT & LEG BEST/BSIERP_Spring'10		Ship's CTD filename 249xxxx						STATION-NO. 163							
CONSC CAST #		LATITUDE		LONGITUDE		TIME (GMT)			DRY BULB	WET BULB	PRESSURE	SEA STATE VISIBILITY	WIND DIRN.	WIND SPD.	CLOUD (am) TYPE	WEATHER	BOTTOM DEPTH	STA. NAME/ID	
		DEG	MIN	DEG	MIN	DAY	MO	YR	HR	MIN	(°C)	(°C)	(mb)	*	*	(deg)	(kts)	*	(m)
2	07	59	53.	60	N	178	53.	90	W	07	JUN	10	15	35	4.0	.	22	326	6
SBE 9+																			
PRESS SN																			
PRI TEMP SN																			
SEC TEMP SN																			
PRI COND SN																			
SEC COND SN																			
NIS	DEPTH	Roset:	Hydro Team-PMEL				Jessica				Weingartner	Sambrotto	Jen	Lomas	Moran	Haney	Carin/ Katrin	NIS	
No.	DESIRED	notes	SALT	Nut.Bt	O2-BtL.No	CHL	Frac CHL	DIC/AIk	DOC	018	Urea	Part.	Prod	DON		Th	Lessard	Sherr	No.
1	52														1.5	7		1	
2	40														8	6		2	
3	32																	3	
4	32														9	5		4	
5	24																	5	
6	24														17	4		6	
7	15																	7	
8	15														30	7		8	
9	6																	9	
10	6														55	2		10	
11	9																	11	
12	6														100	1		12	

ICE LOG: Surface Ice Conditions or proximity to ice edge

Rosette Notes:

4, 9, 10 Leaching

no ice

VESSEL R/V Thomas G. Thompson		CRUISE ID TN249		PROJECT & LEG BEST/BSIERP Spring'10				Ship's CTD filename 249xxxx				STATION NO. 163						
CONSC CAST #	LATITUDE	LONGITUDE		TIME (GMT)	DRY BULB	WET BULB	PRESSURE	SEA STATE VISIBILITY	WIND DIRN.	WIND SPD.	CLOUD TYPE	WEATHER	BOTTOM DEPTH	STA. NAME/D (m)				
DEG	MIN	DEG	MIN	DAY	MO	YR	HR	MIN	(°C)	(°C)	(mb)	*	*	(deg)	(kts)			
20	859	53.61	N	178	53.90	W	07	JUN 10	14.11	11.22	290	2		656	NN19			
SBE 9+				FLUOR S/N														
PRESS SN				SBE43-Oxy (prime)														
PRI TEMP SN				SBE43-Oxy (sec)														
SEC TEMP SN				Transmissometer														
PRI COND SN				PAR S/N														
SEC COND SN				02 Tmp Sensor No.														
NIS	DEPTH	ROSET.	Hydro Team-PMEI	JESSICA	Weingartner	Sambrotto	Jen	Lomas	Moran	Harvey	Carin/	Katrin	NIS					
No.	DESIRED	NOTES	SALT	NUT.BR	02-BR.MO	CHL	Frac CHL	DIC/ALK	DOC	018	Urea	Part.	Prod	DON	Th	Lessard	Sherr	No
1	165		68	143														1
2	400		69															2
3	300		70															3
4	200		71															4
5	100		72															5
6	75		73															6
7	50		74															7
8	40		75															8
9	30		76															9
10	18		77															10
11	10		78															11
12	0		79															12

ICE LOG: Surface Ice Conditions or proximity to ice edge

Rosette Notes:

8+5
Leaving

NO ICE

VESSEL R/V Thomas G. Thompson		CRUISE ID TN249		PROJECT & LEG BEST/BShRP_Spring'10		Ship's CTD filename 249xxxx		2 4 9 16401		STATION NO. 1164				
CONSC CAST #		DEPTH	LATITUDE MIN	LONGITUDE MIN	TIME (GMT) DAY MO YR HR MIN	DRY BULB °C	WET BULB °C	PRESSURE (mb)	SEA STATE * * (deg)	WIND DIRN. (kts)	CLOUD TYPE (amt)	BOTTOM DEPTH (m)	STA. NAME/ID	
2	0	9	59	54.01	N 178 12.01 W	08 JUN 10 0002	4.0	.	23	258	8	143	MN13	
SBE 9+					FLUOR S/N									
PRESS SN					SBE43-Oxy (prime)									
PRI TEMP SN					SBE43-Oxy (sec)									
SEC TEMP SN					Transmissometer									
PRI COND SN					PAR S/N									
SEC COND SN					02 Tmp Sensor No.									
NIS No.	DEPTH Desired	Roset.	Hydro Team-PMEL			Jessica		Weingartner	Sambrotto		Jen	Lomas	Moran	Harvey
		notes	SALT	Nut.Btl	O2-Btl No	CHL	Frac CHL	DIC/AIk	DOC	O18	Urea	Part.	Prod	Don
1	136	Btm	>80											
2	125		.81											
3	100		.82											
4	75		.83											
5	50		.84											
6	40		.85											
7	30		.86											
8	20		.87											
9	10		.88											
10	0		.89											
11														
12														

ICE LOG: Surface Ice Conditions or proximity to ice edge

Rosette Notes:

2, 9 - Leaks at of water
all but 10 - Leaks when vented

VESSEL
R/V Thomas J. Thompson

CRUISE TN249

PROJECT & LEG
BEST/BSIERP Spring 2010

Ship's CTD filename
249xxxx

STATION NO.

CONSC CAST #	LATITUDE		LONGITUDE		TIME (GMT)		DRY BULB (°C)	WET BULB (°C)	PRESSURE (mb)	SEA STATE DIRN.	WIND SPD. (kts)	WIN CLOUD TYPE	WEATHER	BOTTOM DEPTH (m)	STA. NAME/ID	
	DEG	MIN	DEG	MIN	DAY	MO	YR	HR	MIN							
2105953.97 N			17735.96 W		08	JUN	10	0257	3.3	123	241	7		138 MN	17	
SBE 9+			FLUOR SN													
PRESS SN			SBE43-Oxy (prime)													
PRI TEMP SN			SBE43-Oxy (sec)													
SEC TEMP SN			Transmissometer													
PRI COND SN			PAR SN													
SEC COND SN			O2 Temp Sensor No.													
Nis	DEPTH	Roset.	Hydro Team-PMEL		Jessica		Weingartner		Sambrotto		Jen	Lomas	Moran	Harvey	Carin/ Katri	Nis
No.	DESIRED notes	SALT	Nut.Bu	O2-Bu#No	CHL	Frac CHL	DIC/AIk	DOC	O18	Urea	Part.	Prod	DON		Th	No.
1	130 Btm		90	144						266						1
2	100		91													2
3	75		92													3
4	50		93		SB1											4
5	40		94		2											5
6	30		95		3											6
7	20		96		4											7
8	10		97		5					267						8
9	0		98		6					268						9
10																10
11																11
12																12

ICE LOG: Surface Ice Conditions or proximity to ice edge

Rosette Notes:

9, 2 - 10a kers out of water

8, 7, 5, 3, 2, 1 - 10a kers when vented

NESSEL R/V Thomas J. Thompson	CRUISE TN249	PROJECT & LEG BEST/BSIERP Spring 10	Ship's CTD filename 249xxxxy	STATION NO. 106601
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CONSC CAST #	LATITUDE		LONGITUDE		TIME (GMT)		DRY BULB (°C)	WET BULB (°C)	PRESSURE (mb)	SEA STATE • • (deg)	WIND DIRN. (kts) * * *	W/N D SPD CLOUD TYPE WEATHER	BOTTOM DEPTH (m)	STA. NAME/ID				
	DEG	MIN	DEG	MIN	DAY	MO	YR	HR	MIN									
2115953.98N	17700.09W	08JUN10	050013.0	23	2875	136	MNJ16											
SBE 9+			FLUOR SIN															
PRESS SN			SBE43-Oxy (prime)															
PRI TEMP SN			SBE43-Oxy (sec)															
SEC TEMP SN			Transmissometer															
PRI COND SN			PAR SIN															
SEC COND SN			O2 Temp Sensor No.															
Nis	DEPTH	Roset.	Hydro Team-PMEL			Jessica	Weingartner	Sambrotto	Jen	Lomas	Moran	Harvey	Carin/ Katri	Nis				
No.	DESIRED	notes	SALT	Nut.Bu	O2-Bu.No	CHL.	Frac CHL	DIC/AIk	DOC	O18	Urea	Part.	Prod	DON	Th	Lassard	Shear	No.
1	130	Btm	199															1
2	100		100															2
3	75		101															3
4	50		102			152	154											4
5	40		103			31	32											5
6	30		104			31	32											6
7	20		105			41	41											7
8	10		106			51	51											8
9	0		107			61	61											9
10																		10
11																		11
12																		12

ICE LOG: Surface Ice Conditions or proximity to ice edge

Rosette Notes: 9 - leaking out of water
1,2,3,7 - leakers when vented

VESSEL R/V Thomas J. Thompson		CRUISE TN249		PROJECT & LEG BEST/BSIERP Spin 10		Ship's CTD filename 249xxxx		STATION NO. 16701					
CONSC CAST #	LATITUDE	LONGITUDE		TIME (GMT)	DRY BULB (°C)	WET BULB (°C)	PRESSURE (mb)	SEA STATE VISIBILITY	WIND DIRN.	WIN D CLOUD TYPE	BOTTOM DEPTH	STA. NAME/ID	
DEG	MIN	DEG	MIN	DAY	MO	YR	HR	MIN	(deg)	(Kts)	*	*	
21	125953.94 N	17624.05 W	08 JUN 10	0746	3.0	2.3	1023	3402	7	140	MN	15	
SBE 9+				FLUOR SN									
PRESS SN				SBE43-Oxy (prime)									
PRI TEMP SN				SBE43-Oxy (sec)									
SEC TEMP SN				Transmissometer									
PRI COND SN				PAR SN									
SEC COND SN				O2 Temp Sensor No.									
Nis	DEPTH	Roset.	Hydro Team-PMEL			Jessica	Weingartner			Sambrutto	Jen	Lomas	Moran
No.	DESIRED notes	SALT	Nut.BH	O2-BH No	CHL	Frac CHL	DIC/ALK	DOC	O18	Urea	Part.	Prod	DON
1	134 Blm	4358	108	239									
100			109										
2	75		110										
3	50		111	SB1									
4	40		112	2									
5	30		113	3									
6	20		114	4									
7	10		118	5									
8	0		119	6									
9													
10													
11													
12													

ICE LOG: Surface Ice Conditions or proximity to ice edge

NO (0)

Rosette Notes:

Bottom 6, 7, 8 breaking

VESSEL R/V Thomas J. Thompson		CRUISE TN249		PROJECT & LEG BEST/BSIERP Spr. 2010		Ship's CTD filename 249xxxx		STATION NO. 16801						
CONSC CAST #	LATITUDE	LONGITUDE		TIME (GMT)	DRY BULB	WET BULB	PRESSURE (mb)	SEA STATE * (deg)	WIND DIRN.	WIN D	CLOUD TYPE	BOTTOM DEPTH	STA. NAME/ID	
DEG	MIN	DEG	MIN	DAY	MO	YR	HR	MIN	(°C)	(°C)	(mb)	*	*	
21	35 9.4	111.29	N	177	17	35	W	08	JUN	10	1230	4.4	24	
SBE 9+														
PRESS SN														
PRI TEMP SN														
SEC TEMP SN														
PRI COND SN														
SEC COND SN														
Nis	DEPTH	Roset.	Hydro Team-PMEL			Jessica			Weingartner	Sambrotto		Jen	Lomas	
No.	DESIRED	notes	SALT	Nut.BH	O2-BH No.	CHL.	Frac CHL	DIC/AJAK	DOC	O18	Urea	Part.	Prod	DON
1	179		115											
2	100		116											
3	50		117											
4	40		120											
5	23		121											
6	23													
7	23													
8	23													
9	23													
10	23													
11	10		122											
12	6		123											

ICE LOG: Surface Ice Conditions or proximity to ice edge

NO ICE

Rosette Notes:

(at 8 leaky)

VESSEL R/V Thomas J. Thompson	CRUISE TN249	PROJECT & LEG BEST/BSIERP Spring 20	Ship's CTD filename 249xxxx		STATION NO. 16														
			TIME (GMT)	DRY BULB (°C)	PRESSURE (mb)	SEA STATE * * (deg)	WIND DIRN. SPD. TYPE	WIN D CLOUD (an) WEATHER	BOTTOM DEPTH (m)	STA. NAME/ID									
CONSC CAST #	DEG	MIN	DEG	MIN	DAY	MO	YR	HR	MIN										
2	14	59	54	.00	N	175	48	.53	W	08	JUN	10	1700	3.7					
SBE 9+																			
PRESS SN																			
PRI TEMP SN																			
SEC TEMP SN																			
PRI COND SN																			
SEC COND SN																			
Nis	DEPTH	Roset.	Hydro Team-PMEI				Jessica		Weingartner	Sambrotto		Jen	Lomas	Moran	Harvey	Carin/	Katrin	Nis	
No.	DESIRED	holes	SALT	Nut.Bu	O2-Bu, No.	CHL.	Frac CHL	DIC/ALK	DOC	O18	Urea	Part.	Prod	DON		Th	Lessard	Sharr	No.
1	128																		1
2	100																		2
3	75																		3
4	50																		4
5	40																		5
6	30																		6
7	20																		7
8	10																		8
9	0																		9
10																			10
11																			11
12																			12

ICE LOG: Surface Ice Conditions or proximity to ice edge

no ice

Rosette Notes:

28 looking

VESSEL R/V Thomas G. Thompson		CRUISE ID TN249		PROJECT & LEG BEST/BSIERRP_Spring10		Ship's CTD filename 249xxxx		STATION NO.											
CONSC CAST #	LATITUDE DEG MIN	LONGITUDE DEG MIN	DAY	MO	YR	HR	MIN	(°C)	(°C)	(mb)	*	*	(deg)	(kts)	*	*	*	(m)	STA. NAME/ID
2	15 59	54.02 N	175 12	06 W	08 JUN	10	21	24	3.5	1.2	23	199	3	199	1	19	MN13		
SBE 9+			FLUOR S/N																
PRESS SN			SBE43-Oxy (prime)																
PRI TEMP SN			SBE43-Oxy (sec)																
SEC TEMP SN			Transmissometer																
PRI COND SN			PAR S/N																
SEC COND SN			02 Tmp Sensor No.																
NIS No.	DEPTH Desired notes	ROSETT	Hydro Team-PWEL	JESSICA	Weingartner	Sambrutto	Jen	Lomas	Moran	Harvey	Carin/	Katrin	NIS No.						
1	114	Btm	✓133				✓278												
2	100		✓134															1	
3	75		✓135															2	
4	50		✓36	✓LD1														3	
5	40		✓137	✓2														4	
6	34																	5	
7	30		✓138	✓3														6	
8	20		✓139	✓4														7	
9	10		✓140	✓5			✓279											8	
10	0		✓141	✓6			✓280											9	
11																		10	
12																		11	
																		12	

ICE LOG: Surface Ice Conditions or proximity to ice edge

Rosette Notes:

1st cast after min T1, and sensors down on frame in line w/ T2, end 2. Saw a slight improvement in aligning T1,T2 (smaller difference b/w T1,T2), but in upper 100m values still not aligned. OK deeper.

MESSEL
R/V Thomas J. Thompson
CRUISE TN249
PROJECT & LEG
BEST/BSIERP Spn. 0
Ship's CTD filename
249xxxw
2 4 9 | 7 | 0 |
STATION NO.
11

CONSC CAST #	LATITUDE		LONGITUDE		TIME (GMT)		DRY BULB (°C)	WET BULB (°C)	PRESSURE (mb)	SEA STATE * (deg)	WIND DIRN. * (deg)	WIN D SPD. * (kts)	WIN CLOUD TYPE * (m)	BOTTOM DEPTH	STA. NAME/ID				
	DEG	MIN	DEG	MIN	DAY	MO	YR	HR	MIN										
2165954.01N			17435.91W		09	JUN	10	00	53	3.9	.	23	2845	1111NN12					
SBE 9+										FLUOR SIN									
PRESS SN										SBE43-Oxy (prime)									
PRI TEMP SN										SBE43-Oxy (sec)									
SEC TEMP SN										Transmissometer									
PRI COND SN										PAR SN									
SEC COND SN										O2 Temp Sensor No.									
Nis		Hydro Team-PMEL		Jessica		Weingartner		Sambrotto		Jen	Lomas	Moran	Harvey	Carin/	Katrin	Nis			
No.	DEPTH	Roset.	Desired	notes	SALT	Nut.BH	O2-Btl.No	CHL.	Frac CHL	DIC/ALK	DOC	O18	Urea	Part.	Prod	Don	Th <i>Lessard</i>	Sherr	No.
1	105	Btm	Y361	142								281							1
2	75			143															2
3	50			144															3
4	40			145															4
5	32																		5
6	30			146															6
7	20			147															7
8	10			148															8
9	0			149															9
10																			10
11																			11
12																			12

ICE LOG: Surface Ice Conditions or proximity to ice edge

Rosette Notes:

7,6,5,4,3,1 - looking out of water
2,8,9 - looking when wanted

VESSEL R/V Thomas J. Thompson	CRUISE TN249	PROJECT & LEG BEST/BSIERP Spn...0	Ship's CTD filename 249xxxxy	2 4 9) 720	STATION NO. 102
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CONSC CAST #	LATITUDE		LONGITUDE		TIME (GMT)	DRY BULB (°C)	WET BULB (°C)	PRESSURE (mb)	SEA STATE * * * (deg)	WIND DIRN. (kts) * * * (m)	WIN D CLOUD TYPE WEATHER	BOTTOM DEPTH (m)	STA. NAME/ID					
	DEG	MIN	DEG	MIN										DAY	MO	YR	HR	MIN
21	759	53.98	N	1735	99	W	09	JUN	10	0253	3.3	.23	270	102 MN 11				
SBE 9+																		
PRESS SN																		
PRI TEMP SN																		
SEC TEMP SN																		
PRI COND SN																		
SEC COND SN																		
Nis	DEPTH	Roset.	Hydro Team-PMEL				Jessica			Weingartner	Sambrotto	Jen	Lomas	Moran	Harvey	Cain/	Katrin	Nis
No.	DESIRED holes		SALT	Nut.Blt	O2-Blt.No	CHL.	Frac CHL	DIC/IAK	DOC	O18	Urea	Part.	Prod	DO				
1	95	34m																
2	75																	
3	50																	
4	40																	
5	30																	
6	20																	
7	10																	
8	0																	
9																		
10																		
11																		
12																		

REMARKS

MAX. DEPTH = m

ICE LOG: Surface Ice Conditions or proximity to ice edge

Rosette Notes: 2

8, 7, 6, 5, 4, 3

VESSEL R/V Thoma Thompson		CRUISE TN249		PROJECT & LEG BEST/SEI/RP Spr		Ship's CTD filename 249xxxx		STATION NO. 7301						
CONSC CAST #	LATITUDE	LONGITUDE		TIME (GMT)	DRY BULB	WET BULB	PRESSURE (mb)	SEA STATE • * (deg)	WIND DIRN.	WIN D SPD.	CLOUD TYPE WEATHER	BOTTOM DEPTH	STA. NAME/ID	
DEG	MIN	DEG	MIN	DAY	MO	YR	HR MIN	(°C)	(°C)	(mb)	(kts)	*	(m)	
21	85953.89	N	17324.10	W	09	JUN	10	0538	2.9	.	22	3163	87 MN10	
SBE 9+														
PRESS SN														
PRI TEMP SN														
SEC TEMP SN														
PRI COND SN														
SEC COND SN														
Roset.		Hydro Team-PMEI		Jessica		Weingartner		Sambrotto		Jen	Lomas	Moran	Harvey	Carin/ Katrin
No.	DEPTH	Desired notes	SALT	Nut.BR	O2-BTU No	CHL.	Frac CHL	DIC/ALK	DOC	O18	Specia	Part.	Prod	DON
1	82	B4m	Y362	158										
2	50		159			LD1								
3	40		160			2								
4	30		161			3								
5	27													
6	20		162			4								
7	10		163			5								
8	0		164			6								
9														
10														
11														
12														

ICE LOG: Surface Ice Conditions or proximity to ice edge

Rosette Notes: 2, 8 - breaking out of wafer

3, 4, 5 - leakers when vented

VESSEL R/V Thomas Thompson		CRUISE TN249		PROJECT & LEG BEST/BSIERP Spr 3		Ship's CTD filename 249xxxx		STATION NO. 17401						
CONSC CAST #	LATITUDE	LONGITUDE		TIME (GMT)	DRY BULB	WET BULB	PRESSURE (mb)	SEA STATE * (deg)	WIND DIRN.	WIN D SPD.	CLOUD (am)	BOTTOM DEPTH	STA. NAME/ID	
DEG	MIN	DEG	MIN	DAY	MO	YR	HR MIN	(°C)	(°C)	(mb)	*	*	(m)	
21	95	59	54.03	N	172	48.07	W	09	JUN 10	0737	2.3	.	23	
SBE 9+														
PRESS SN														
PRI TEMP SN														
SEC TEMP SN														
PRI COND SN														
SEC COND SN														
REMARKS														
FLUOR S/N														
SBE43-Oxy (prime)														
Transmissometer														
PAR SN														
O2 Tmp Sensor No.														
Hydro Team-PMEL														
Jessica														
Weingartner														
Sambrotto														
NIS	DEPTH	ROSET.												
No.	DESIRED	NOTES	SALT	NUT.BU	O2-BU.NO	CHL.	Frac CHL	DIC/ALK	DOC	O18	Urea	Part.	Prod	Don
1	69	Btm		165	196					290				
2	50			166		LDI								1
3	40			167		2								2
4	30			168		3								3
5	20			169		4								4
6	10			170		5								5
7	0			171		6								6
8														7
9														8
10														9
11														10
12														11
														12

ICE LOG: Surface Ice Conditions or proximity to ice edge

No ice

Rosette Notes:

Bottle 2 breaking

VESSEL R/V Thomas G. Thompson		CRUISE ID TN249		PROJECT & LEG BEST/BSIERR_Spring'10		Ship's CTD filename 249xxxx		STATION NO. 75					
CONSC CAST #		DEG	MIN	DEG	MIN	DAY	MO	YR	TIME (GMT)				
									DRY BULB				
									WET BULB				
									PRESSURE				
SBE 9+									SEA STATE				
PRESS SN									VISIBILITY				
PRI TEMP SN									WIND DIRN.				
SEC TEMP SN									WIND SPD.				
PRI COND SN									CLOUD TYPE				
SEC COND SN									WEATHER				
Nis No.	DEPTH Desired notes	Roset.	Hydro Team-PMEI	Jessica	Weingartner	Sambrotto	Jen	Lomas	Moran	Harvey	Carin/	Katrin	Nis No.
					O18	Urea	Part.	Prod	DON				
1	69	Bottom	4364	172						1001	1234		1
2	50		173	ED 1	LC 1					2 234			2
3	40		174		2	2				3 234			3
4	30		175		3	3				4 234			4
5	20		176		4	4				5 234			5
6	12												6
7	12												7
8	12												8
9	12												9
10	12												10
11	10		177	5	5	294				6 438			11
12	0		178	6	6	295				7 439			12

ICE LOG: Surface ice conditions or proximity to ice edge

No ice

Rosette Notes:

✓ JACKSON

VESSEL R/V Thoma Thompson		CRUISE TN249		PROJECT & LEG BESTIESRP Spr		Ship's CTD filename 249xxxY		STATION NO. 17502								
CONSC CAST #	LATITUDE	LONGITUDE		TIME (GMT)	DRY BULB	WET BULB	PRESSURE	SEA STATE	WIND DIRN.	WIN D SPD.	CLOUD TYPE	WEATHER	BOTTOM DEPTH	STA. NAME/ID		
DEG	MIN	DEG	MIN	DAY	MO	YR	HR	MIN	(°C)	(°C)	(mb)	*	*	(deg)	(kts)	(m)
221	59 54 .02 N	172 12 .00 W	09 JUN 10	14 19	2.8	-.22	260	6	573	1418						
SBE 9+				FLUOR SN												
PRESS SN				SBE43-Oxy (prime)												
PRI TEMP SN				SBE43-Oxy (sec)												
SEC TEMP SN				Transmissometer												
PRI COND SN				PAR SN												
SEC COND SN				O2 Temp Sensor No.												
Hydro Team-PMEL				Jessica	Weingartner	Sambrotto	Jen	Lomas	Moran	Harvey	Carin/	Karin	Nis			
NIS	DEPTH	Roset.					O18	Urea	Part	Prod	DON					
No.	DESIRED	notes	SALT	Nut.Bu	O2-Bu#No	CHL.	Frac CHL	DIC/ALK	DOC	O18	Urea	Part	Prod	DON		
1	25														1	
2	25														2	
3	25														3	
4	25														4	
5	25														5	
6	25														6	
7	25														7	
8	25														8	
9															9	
10															10	
11															11	
12															12	

ICE LOG: Surface Ice Conditions or proximity to ice edge

Rosette Notes:

VESSEL RV Thoma		CRUISE TN249		PROJECT & LEG BEST/BSIERP Sp.		Ship's CTD filename 249xxxx		STATION NO. 17503												
Thompson		TN249		BEST/BSIERP Sp.		249xxxx		17503												
CONSC CAST #		LATITUDE		LONGITUDE		TIME (GMT)		PRESSURE												
DEG	MIN	DEG	MIN	DAY	MO	YR	HR	MIN	(°C)											
22	59	54	.00	N	172	12	.00	W	(°C)											
SBE 9+									FLUOR S/N											
PRESS SN									SBE43-Oxy (prime)											
PRI TEMP SN									SBE43-Oxy (sec)											
SEC TEMP SN									Transmissometer											
PRI COND SN									PAR S/N											
SEC COND SN									O2 Temp Sensor No.											
Nis		DEPTH		Roset.		Hydro Team-PMEL		Jessica												
No.	DESIRED notes	SALT	Nut.BB	O2-BitNo	CHL.	Frac CHL	DICBAK	DOC	O18	Sea	Part.	Prod	DON	Jen	Lomas	Moran	Harvey	Carin/	Katrin	Nis
1	48														1.5'.	1.7				No.
2	37														5'.	6				1
3	37																			2
4	26																			3
5	26																			4
6	15																			5
7	15																			6
8	9																			7
9	9																			8
10	5																			9
11	0																			10
12	0																			11
																				12

ICE LOG: Surface Ice Conditions or proximity to ice edge

Rosette Notes:

VESSEL R/V Thompson		CRUISE TN249		PROJECT & LEG BEST/BSIERP Sp 0		Ship's CTD filename 249xxxx		STATION NO. 17601															
CONSC CAST #	LATITUDE	LONGITUDE		TIME (GMT)	DRY BULB	WET BULB	PRESSURE ("C)	SEA STATE ("C)	WIND DIRN.	WIN D SPD. TYPE	CLOUD (am)	BOTTOM DEPTH	STA. NAME/ID										
DEG	MIN	DEG	MIN	DAY	MO	YR	HR	MIN	(deg)	(kts)	*	*	(m)										
22	35	95	31.99	N	171	35.95	W	07	JUN 10	1910	1.9	.22	246										
SBE 9+																							
PRESS SN																							
PRI TEMP SN																							
SEC TEMP SN																							
PRI COND SN																							
SEC COND SN																							
O2 Temp Sensor No.																							
Nis		Hydro Team-PMEL		Jessica		Weingartner		Sambrotto		Jen		Lomas		Moran		Harvey		Carin/		Katrin		Nis	
No.	DESIRED notes	Roset.	DEPTH	DEPTH	ROSET.	SALT	Nut.BH	O2-BH# No.	CHL.	Frac CHL	DIC/ALK	DOC	O18	Area	Part.	Prod	DON		Th	Lessard	Sherr	No.	
1	63																					1	
2	50																					2	
3	40																					3	
4	30																					4	
5	20																					5	
6	10																					6	
7	0																					7	
8																						8	
9																						9	
10																						10	
11																						11	
12																						12	

ICE LOG: Surface Ice Conditions or proximity to ice edge

Ice Field ~ 1 mi away

Rosette Notes:

Boat 2 didn't close - no data.

VESSEL R/V Thoma. Thompson		CRUISE TN249		PROJECT & LEG BEST/BIERP Spn.		Ship's CTD filename 249xxxx		STATION NO. 17701										
CONSC CAST #		LATITUDE		LONGITUDE		TIME (GMT)	DRY BULB ("C)	WET BULB ("C)	PRESSURE (mb)	SEA STATE *	WIND DIRN. (deg)	WIN D SPD. (kts)	CLOUD (am)	WEATHER	BOTTOM DEPTH (m)	STA. NAME/ID		
DEG	MIN	DEG	MIN	DAY	MO	YR	HR	MIN	("C)	(mb)	*	*	(deg)	(kts)	*	*		
22	45	93	33.47	N	170	39.39	W	09	JUN 10	2321	114	21	246	6	69	3032		
SBE 9+																		
PRESS SN																		
PRI TEMP SN																		
SEC TEMP SN																		
PRI COND SN																		
SEC COND SN																		
O2 Tmp Sensor No.																		
Nis	DEPTH	Roset.		Hydro Team-PMEL		Jessica		Weingartner		Sambrotto		Jen	Lomas	Moran	Harvey	Carin/	Katrin	
No.	DESIRED	notes	SALT	Nut.BH	O2-BH No.	CHL.	Frac CHL	DIC/ALK	DOC	O18	Urea	Part.	Prod	DON		Lessard	Sherr	Nis No.
1	64	Btm	365	2														1
2	50		3		LD1													2
3	40		4			2												3
4	30		5			3												4
5	20		6			4												5
6	10		7			5												6
7	0		8			6												7
8																		8
9																		9
10																		10
11																		11
12																		12

ICE LOG: Surface Ice Conditions or proximity to ice edge

Rosette Notes:

Stn 178 - Multi-line only. No CTD

VESSEL R/V Thomas J. Thompson		CRUISE TN249		PROJECT & LEG BEST/BSIERP Spri J		Ship's CTD filename 249xxxx		STATION NO. 179													
CONSC CAST #	LATITUDE					TIME (GMT)	DRY BULB (°C)	WET BULB (°C)	PRESSURE (mb)	SEA STATE * * * * *	WIN DIRN.	CLOUD TYPE	WEATHER	BOTTOM DEPTH	STA. NAME/ID						
		DEG	MIN	DEG	MIN																
2255849.78	N	16809.62	W	10	JUN	10	107	0.8	19	304	13	16	100	176	NP3						
SBE 9+																					
PRESS SN																					
PRI TEMP SN																					
SEC TEMP SN																					
PRI COND SN																					
SEC COND SN																					
Hydro Team-PMEL		Jessica		Weingartner		Sambrotto		Jen		Lomas		Moran		Harvey		Carin/		Katrin		Nis	
No.	DEPTH	Roset.	notes	SALT	Nut.BH	O2-Btl No.	CHL.	Frac CHL	DIC/alk	DOC	O18	Urea	Part.	Prod	DON		Th	Lessard	Sinclair	No.	
1	41			9	197	CD					299						PC1	W338			1
2	30			10		2											2				2
3	20			11		3											3				3
4	10			12		4					300						4				4
5	0			13		5					301						POC 2	5			5
6																				6	
7																				7	
8																				8	
9																				9	
10																				10	
11																				11	
12																				12	

ICE LOG: Surface Ice Conditions or proximity to ice edge

No ice

Rosette Notes:

Boat 2 Reddening

5th 178 - multineonly - no CTD

VESSEL R/V Thoma Thompson		CRUISE TN249		PROJECT & LEG BEST/BSIERP Spr.		Ship's CTD filename 249xxxx		STATION NO. 179										
CONSC CAST #		LATITUDE	LONGITUDE	TIME (GMT)	DRY BULB	WET BULB	PRESSURE (mb)	SEA STATE VISIBILITY	WIND DIRN. SPD.	WIN D CLOUD TYPE	BOTTOM DEPTH	STA. NAME/ID						
DEG	MIN	DEG	MIN	DAY	MO	YR	HR	• • (deg) (kts)	• • (deg) (kts)	(m)								
22	6	58	49.80	N	168	09.53	W	10	JUN	10	14	11	D.7	.18	303	13	46	MP3
SBE 9+																		
PRESS SN																		
PRI TEMP SN																		
SEC TEMP SN																		
PRI COND SN																		
SEC COND SN																		
O2 Temp Sensor No. 1209																		
NIS	DEPTH	Roset.		Hydro Team-PMEL		Jessica		Weingartner	Sambrutto		Jen	Lomas	Moran	Harvey	Cain/	Katrin	Nis	
No.	DESIRED notes	SALT	Nut.BI	O2-BI No	CHL.	Frac CHL	DIC/AIR	DOC	O18	Urea	Part.	Prod	DON			No.		
1	35			14												1		
2	35															2		
3	35															3		
4	35															4		
5	35															5		
6	35															6		
7	35															7		
8	35															8		
9	35															9		
10																10		
11																11		
12																12		

ICE LOG: Surface Ice Conditions or proximity to ice edge

NO 14

Rosette Notes:

Boats 2 deckway

VESSEL R/V Thomas G. Thompson		CRUISE ID TN249		PROJECT & LEG BEST/BSIERP_Spring'10		Ship's CTD filename 249xxxx						STATION NO.												
CONSC CAST #		DEPTH DEG	LATITUDE MIN	DEPTH DEG	LONGITUDE MIN	DAY	MO	YR	HR	MIN	TIME (GMT)	DRY BULB (°C)	WET BULB (°C)	PRESSURE (mb)	SEA STATE VISIBILITY	WIND DIRN. TYPE	WIND SPD. (kts)	CLOUD (am) TYPE	WEATHER	BOTTOM DEPTH (m)	STA. NAME/ID			
2	2	7	58	49	.80	N	16	80	9	.54	W	10	JUN	10	15	35	0.7	.	17	30	8	14	46	NP3
SBE 9+																								
PRESS SN																								
PRI TEMP SN																								
SEC TEMP SN																								
PRI COND SN																								
SEC COND SN																								
NIS	DEPTH	Roset.	Hydro Team-PMEL					Jessica		Weingartner		Sambrotto		Jen	Lomas	Moran	Harvey	Carin/	Katrin	NIS				
No.	DESIRED	notes	SALT	Nut/Bt	O2-Bu, No	CHL.	Frac CHL.	DIC/AIk	DOC	O18	Urea	Part.	Prod	DON							No.			
1	40																							
2	29																							
3	29																							
4	20																							
5	20																							
6	14																							
7	14																							
8	9																							
9	9																							
10	5																							
11	0																							
12	0																							

ICE LOG: Surface Ice Conditions or proximity to ice edge

Rosette Notes:

Bottles 7 & 12 - top didn't close right
Bottom le - leaking from bottom

VESSEL R/V Thoma Thompson		CRUISE TN249		PROJECT & LEG BEST/BSIERP Sp. 0		Ship's CTD filename 249xxxx		STATION NO. 18001															
CONSC CAST #	LATITUDE DEG MIN	LONGITUDE DEG MIN	TIME (GMT)		DRY BULB ("C)	WET BULB ("C)	PRESSURE (mb)	SEA STATE VISIBILITY	WIND DIRN.	WIN D SPD. TYPE	BOTTOM DEPTH	STA. NAME/ID											
			DAY	MO																			
2285903.05	N	16753.65	W	10 JUN 10	1858	0.5	1017	331	9	42	1402												
SBE 9+																							
PRESS SN																							
PRI TEMP SN																							
SEC TEMP SN																							
PRI COND SN																							
SEC COND SN																							
O2 Temp Sensor No.																							
REMARKS																							
SBE43-Oxy (prime)																							
SBE43-Oxy (sec)																							
Transmissometer																							
PAR SN																							
O2 Temp Sensor No.																							
Hydro Team-PMEL																							
Nis		Roset.		Jessica		Weingartner		Sambrotto		Jen		Lomas		Moran		Harvey		Carin/		Katrin		Nis	
No.	DESIRED notes	SALT	Nut.BH	O2-Btl No	CHL	Frac CHL	DIC/ALK	DOC	O18	Area	Part	Prod	DON			Th	Lessard	Sherr		No.			
1	37		15		LD	LC	/													1			
2	30		16			2	2	/												2			
3	20		17			3	3	/												3			
4	10		18			4	4	/												4			
5	0		14367	19		5	5	/												5			
6																				6			
7																				7			
8																				8			
9																				9			
10																				10			
11																				11			
12																				12			

ICE LOG: Surface Ice Conditions or proximity to ice edge

Rosette Notes:

VESSEL R/V Thomas J. Thompson		CRUISE TN249		PROJECT & LEG BEST/BSIERP Spr.		Ship's CTD filename 249xxxxy		STATION NO. 18101						
CONSC CAST #	LATITUDE			TIME (GMT)		DRY BULB (°C)	WET BULB (°C)	PRESSURE (mb)	SEA STATE * * (deg)	WIND DIRN. SPD. TYPE	WIN CLOUD TYPE	BOTTOM DEPTH (m)	STA. NAME/ID	
		DEG	MIN	DEG	MIN	DAY	MO	YR	HR	MIN	(deg)	(kts)	(n)	
2	29°58'35.77"N	168°26'.52"W	10 JUN 10	2253	11.2	17	300				56		JUP4	
SBE 9+														
PRESS SN														
PRI TEMP SN														
SEC TEMP SN														
PRI COND SN														
SEC COND SN														
O2 Temp Sensor No.														
		Hydro Team-PMEL		Jessica		Weingartner	Sambrotto	Jen	Lomas	Moran	Harvey	Carin/ Th. Lessard	Katrin	Nis
No.	DESIRED notes	ROSET.	SALT	Nut.BH	O2-Bit No.	CHL.	Frac CHL	DIC/CAK	DOC	O18	Area	Part.	Prod	DON
1	50	Btm	20	175	LDI					305				1
2	40													2
3	40		21			2								3
4	30		22			3								4
5	20		23			4								5
6	10		24			5				306				6
7	10		25			6				307				7
8														8
9														9
10														10
11														11
12														12

ICE LOG: Surface Ice Conditions or proximity to ice edge

Rosette Notes:

VESSEL R/V Thomas J. Thompson		CRUISE TN249		PROJECT & LEG BEST/BSIERP Spn		Ship's CTD filename 249xxxx		STATION NO. 2 4 9 18201										
CONSC CAST #		LATITUDE		LONGITUDE		TIME (GMT)		DRY BULB	WET BULB	PRESSURE ("C)	SEA STATE	WIND DIRN.	WIN D SPD.	CLOUD (am)	WEATHER	BOTTOM DEPTH	STA. NAME/ID	
DEG	MIN	DEG	MIN	DAY	MO	YR	HR	MIN	(°C)	(°C)	(mb)	*	(deg)	(kts)	*	*	(m)	
23	058	21	.60	N	168	42	.07	W	11	JUN	10	0136	1.	7	.	16	29410	
SBE 9+																		
PRESS SN																		
PRI TEMP SN																		
SEC TEMP SN																		
PRI COND SN																		
SEC COND SN																		
O2 Tmp Sensor No.																		
Hydro Team-PMEL		Jessica		Weingartner		Sambrotto		Jen		Lomas		Moran		Harvey		Carin/ Katrin		
NIS	DEPTH	Roset.						O18	Area	Part.	Prod	DON			Th	Lessard	Sherr	NIS No.
No.	DESIRED notes	SALT	Nut.BH	O2-Btl No	CHL.	Frac CHL	DIC/JAR	DOC										
1	60	6tm	Y368	26														1
2	50																	2
3	50				27		L01	L01										3
4	40					28		1	2	2								4
5	30					29		1	3	3								5
6	20					30		1	4	4								6
7	10					31		1	5	5								7
8	0					32		1	6	6								8
9																		9
10																		10
11																		11
12																		12

ICE LOG: Surface Ice Conditions or proximity to ice edge

Rosette Notes:

8, 7, 4, 3, 2 - 10m kers when vented

VESSEL R/V Thomas		CRUISE TN249		PROJECT & LEG BEST/BSIERP Spn.)		Ship's CTD filename 249xxxx		STATION NO. 2 4 9 8301 83						
CONSC CAST #		LATITUDE	LONGITUDE	TIME (GMT)	DRY BULB ("C)	WET BULB ("C)	PRESSURE (mb)	SEA STATE VISIBILITY	WIND DIRN.	WIN D SPD. TYPE	BOTTOM DEPTH	STA. NAME/ID		
DEG	MIN	DEG	MIN	DAY	MO	YR	HR	MIN	(deg)	(kts)	(m)			
23	15	80	8.09	N	6857.89	W	11	JUN 10	0350	2.1	.15	26610		
SBE 9+														
PRESS SN														
PRI TEMP SN														
SEC TEMP SN														
PRI COND SN														
SEC COND SN														
REMARKS														
SBE 9+ FLUOR SN														
PRESS SN SBE43-Oxy (prime)														
PRI TEMP SN SBE43-Oxy (sec)														
SEC TEMP SN Transmissometer														
PRI COND SN PAR SN														
SEC COND SN O2 Tmp Sensor No.														
Hydro Team-PMEL														
Jessica														
Weingartner Sambrutto														
NIS	DEPTH	ROSET.												
No.	DESIRED	notes	SALT	Nut.BI	O2-BI No.	CHL.	Frac CHL	DIC/AIR	DOC	O18	Urea	Part.	Prod	DON
1	66		33	107						311				
2	50													1
3	50		34		LD1									2
4	40		35		2									3
5	30		36		3									4
6	25													5
7	20		37		4									6
8	10		38		5									7
9	6		39		6									8
10														9
11														10
12														11
														12

ICE LOG: Surface Ice Conditions or proximity to ice edge

Rosette Notes:

3, 8, 9 - 100% ice out of water
7, 10, 14 - 100% ice when went up

VESSEL R/V Thomas Thompson		CRUISE TN249 TN249		PROJECT & LEG BEST/BSIERP Spn. J		Ship's CTD filename 249xxxx		STATION NO. 1840			
CONSC CAST #	LATITUDE	LONGITUDE	TIME (GMT)	DRY BULB	WET BULB	PRESSURE (°C)	SEA STATE VISIBILITY	WIND DIRN.	WIN D CLOUD TYPE	BOTTOM DEPTH	STA. NAME/ID
DEG	MIN	DEG	MIN	DAY	MO	YR	HR	MIN	(deg)	(kts)	(m)
23	25	75	41	00	16	914	48	W	11	JUN	10
2	3	2	5	7	5	4	.	1	0	0624	2.2
SBE 9+											
PRESS SN											
PRI TEMP SN											
SEC TEMP SN											
PRI COND SN											
SEC COND SN											
O2 Tmp Sensor No. 02											
Hydro Team-PMEL											
Jessica											
Nis	DEPTH	Reset.		Weingartner		Sambrotto		Jen	Lomas	Moran	Harvey
No.	DESIRED	notes	SALT	Nut.Btl	O2-Btl No	CHL	Frac CHL	DIC/ALK	DOC	O18	Lebra
1	62										Part.
2	50										Prod
3	50										DON
4	40										
5	30										
6	27										
7	20										
8	10										
9	0										
10											
11											
12											

ICE LOG: Surface Ice Conditions or proximity to ice edge

Rosette Notes:

9 - 1 Paket out of water

8, 7, 6, 5, 4, 3 - 1 Paket when wanted

VESSEL R/V Thomas J. Thompson	CRUISE TN249	PROJECT & LEG BEST/SIERP Spr. J	Ship's CTD filename 249xxxy	STATION NO. 18501																
				CONSC CAST #	LATITUDE		LONGITUDE		TIME (GMT)		DRY BULB (°C)	WET BULB (°C)	PRESSURE (mb)	SEA STATE VISIBILITY	WIND DIRN. (deg)	WIN D SPD. (kts)	CLOUD TYPE	BOTTOM DEPTH (m)	STA. NAME/ID	
					DEG	MIN	DEG	MIN	DAY	MO	YR	HR	MIN	*	*	*	*	*		
2	33	57	40	.77	N	16930	.50	W	11	JUN	10	1027	21	15	285	13	70	NPB		
SBE 9+																				
PRESS SN																				
PRI TEMP SN																				
SEC TEMP SN																				
PRI COND SN																				
SEC COND SN																				
O2 Temp Sensor No.																				
Hydro Team-PMEL																				
Jessica																				
Nis	DEPTH	Roset.																		
No.	DESIRED notes	SALT	Nut.Bu	O2-Bu.No	CHL	Frac CHL	DIC/AIk	DOC	018	Urea	Part.	Prod	Don	Jen	Lomas	Moran	Harvey	Carin/	Katrin	Nis No.
1	65			48																1
2	50			49	LD	LCI														2
3	40			50		2	2													3
4	30			51		3	3													4
5	20			52	-	4	4													5
6	10			53		5	5	/												6
7	0			54	-231	6	6	/												7
8																				8
9																				9
10																				10
11																				11
12																				12

ICE LOG: Surface Ice Conditions or proximity to ice edge

No breakers

Rosette Notes:

VESSEL R/V Thoma. J. Thompson		CRUISE TN249		PROJECT & LEG BEST/BSIERP Spr. 0		Ship's CTD filename 249xxxxy		STATION NO. 2 4 9 / 8601										
CONSC CAST #	LATITUDE	LONGITUDE		TIME (GMT)	DRY BULB (°C)	WET BULB (°C)	PRESSURE (mb)	SEA STATE * (deg)	WIND DIRN. SPD. CLOUD (an TYPE WEATHER	BOTTOM DEPTH STA. NAME/ID								
		DEG	MIN															
234	57 26.83 N	169 46.36 W	11 JUN 10	1308	2.6	1.14	1014	14	287	14	67 M P 9							
SBE 9+				FLUOR S/N														
PRESS SN				SBE43-Oxy (prime)														
PRI TEMP SN				SBE43-Oxy (sec)														
SEC TEMP SN				Transmissometer														
PRI COND SN				PAR S/N														
SEC COND SN				O2 Temp Sensor No.														
REMARKS																		
Old Max (C) 29																		
Nis	DEPTH	Roset.	Hydro Team-PMEL			Jessica	Weingartner	Sambrotto	Jen	Lomas	Moran	Harvey	Carin/	Katrin	Nis			
No.	DESIRED	notes	SALT	Nut.BH	O2-Bu.Bh.No.	CHL.	Frac CHL	DICIAK	DOC	O18	Urea	iPart.	Prod	DON	Th	Lessard	Sherr	No.
1	62		371	55						320								1
2	50		56		531													2
3	40		57		2													3
4	29		58		3													4
5	29																	5
6	20		59		4													6
7	10		60		5					321								7
8	0		61		6		/			322								8
9																		9
10																		10
11																		11
12																		12

ICE LOG: Surface Ice Conditions or proximity to ice edge

NO 10

Rosette Notes:

W Leathers

VESSEL R/V Thomas J. Thompson		CRUISE TN249		PROJECT & LEG BEST/BSIERP Spr. J		Ship's CTD filename 249xxxx		STATION NO. 18701											
CONSC CAST #	LATITUDE	DEG	MIN	DEG	MIN	DAY	MO	YR	TIME (GMT)	DRY BULB (°C)	WET BULB (°C)	PRESSURE (mb)	SEA STATE *	WIND DIRN. (deg)	WIN D SPD. (kts)	CLOUD TYPE	BOTTOM DEPTH (m)	WEATHER	STA. NAME/ID
23557	19.39 N	16955	.29 W	11 JUN 10	1431	2.4	1.	14	27914	59	14	1059	10	10	10	10	10	10	
SBE 9+									FLUOR SN										
PRESS SN									SBE43-Oxy (prime)										
PRI TEMP SN									SBE43-Oxy (sec)										
SEC TEMP SN									Transmissometer										
PRI COND SN									PAR SN										
SEC COND SN									O2 Tmp Sensor No.										
Nis	DEPTH	Roset.	Hydro Team-PMEL				Jessica				Weingartner	Sambrotto	Jen	Lomas	Moran	Harvey	Carin'	Katrin	Nis
No.	DESIRED notes	SALT	Nut.BH	O2-Btl.No	CHL	Frac CHL	DIC/AIK	DOC	018	Area	Part	Prod	DON		Th	Lessard	Sherr		No.
1	53		62	120	SBI					323									1
2	40		63		2														2
3	30		64		3														3
4	20		65		4														4
5	10		66		5					324									5
6	0		67		6					325									6
7																			7
8																			8
9																			9
10																			10
11																			11
12																			12

ICE LOG: Surface Ice Conditions or proximity to ice edge

No. 14

Rosette Notes:

W Leader

VESSEL R/V Thomas J. Thompson		CRUISE TN249		PROJECT & LEG BEST/BSIERP Sp. J		Ship's CTD filename 249xxxx		STATION NO.			
CONSC CAST #		LATITUDE		TIME (GMT)	DRY BULB (°C)	PRESSURE (mb)	SEA STATE * * (deg)	WIN D SPD. DIRN. (kts)	CLOUD (an) TYPE WEATHER		
DEG	MIN	DEG	MIN	DAY	MO	HR	MIN	DEPTH	BOTTOM DEPTH (m)		
23	45	65	8.36	N	17016.81	W	11 JUN 10	1723	3.1 1.14 261 9 73 NAPIL		
SBE 9+											
PRESS SN											
PRI TEMP SN											
SEC TEMP SN											
PRI COND SN											
SEC COND SN											
Nis	DEPTH	RoSet.		Hydro Team-PMEL		Jessica	Weingartner	Sambrotto	Jen Lomas Moran Harvey Cariñ Katrin Nis No.		
No.	DESIRED	notes	SALT	Nut.Bu	O2-Bu No.	CHL.	Frac CHL DIC/ALK	DOC	O18	Tuna Part. Prod DON	Th Lessard Snell
1	69			68							1
2	50			69		SB1			326		2
3	40			70		12					3
4	26			71		13					4
5	20			72		14					5
6	10			73		15			327		6
7	D			74		16			328		7
8											8
9											9
10											10
11											11
12											12

ICE LOG: Surface Ice Conditions or proximity to ice edge

NO Decks

NO ice

Rosette Notes:

VESSEL R/V Thomas G. Thompson		CRUISE ID TN249		PROJECT & LEG BEST/BSIERR_Spring10		Ship's CTD filename 249xxxx		2 4 9 / 8901		STATION NO. 189										
CONSC CAST #		LATITUDE DEG	MIN	LONGITUDE DEG	MIN	DAY	MO	YR	HR	MIN	(am)									
									(°C)	(°C)	(mb)	*	*	(deg)	(kts)	*	*	*	(m)	
2	3	7	5	6	4	3.	7	6	N	170	32.	1	6	W	1	1	JUN	10	1955	
SBE 9+																				
PRESS SN																				
PRI TEMP SN																				
SEC TEMP SN																				
PRI COND SN																				
SEC COND SN																				
NIS	DEPTH	ROSET.		Hydro Team-PMEL		JESSICA		Weingartner		Sambrotto		Jen		Lomas		Moran		Harvey		
No.	DESIRED	NOTES	SALT	NUT.BTU	O2-BTU/NO	CHL.	Frac CHL.	DIC/AIK	DOC	O18	UREA	PART.	PROD	DON		TH	Lessard	Sherr	Carin/	Katrin
1	102	Btm				76	1058													NIS
2	75					77														1
3	50					78		LD 1	LC 1											2
4	40					79		1	2	1	2	-								3
5	30					80		1	3	1	3									4
6	20					81		1	4	1	4	-								5
7	10					82		1	5	1	5		330							6
8	0					83		1	6	1	6	-	331							7
9																				8
10																				9
11																				10
12																				11
																				12

ICE LOG: Surface Ice Conditions or proximity to ice edge

Rosette Notes:

8 - Leaked out of water
7, 6, 5, 3, 2 - Leakers when vented

VESSEL RV Thompson	CRUISE TN249	PROJECT & LEG BEST/BSIERP Sp. 0		Ship's CTD filename		STATION NO.											
		TN249		249xxxx		249											
CONSC CAST #	LATITUDE		LONGITUDE		TIME (GMT)	DRY BULB (°C)	WET BULB (°C)	PRESSURE (mb)	SEA STATE DIRN.	WIND DIRN.	WIN D SPD. TYPE	CLOUD (arr)	WEATHER	BOTTOM DEPTH (m)	STA. NAME/ID		
	DEG	MIN	DEG	MIN						HR	MIN						
23856	17.05	N	17103.29	W	12 JUN 10 00 40	5.0	5.0	1012	12	238	16	137	NPA 14				
SBE 9+																	
PRESS SN																	
PRI TEMP SN																	
SEC TEMP SN																	
PRI COND SN																	
SEC COND SN																	
Nis	DEPTH	Roset.	Hydro Team-PMEL				Jessica		Weingartner	Sambrotto		Jen	Lomas	Moran	Harvey	Canin/ Kattin	Nis
No.	DESIRED notes		SALT	Nut.BI	O2-BI	No.	CHL.	Frac CHL	DICAalk	DOC	O18	Urea	Part.	Prod	DON		No.
1	130	Bthm	1374	84													1
2	100		85														2
3	75		86														3
4	50		87														4
5	40																5
6	30		88														6
7	25		89														7
8	20		90														8
9	19		91														9
10	10		92														10
11	5		93														11
12																	12

ICE LOG: Surface Ice Conditions or proximity to ice edge

Rosette Notes:

VESSEL R/V Thoma... . Thompson		CRUISE TN249		PROJECT & LEG BEST/BSIERP Sp. 0		Ship's CTD filename 249xxxx		STATION NO. 19101												
CONSC CAST #	LATITUDE DEG MIN	LONGITUDE DEG MIN	TIME (GMT) DAY MO YR HR MIN	DRY BULB °C (mb)	WET BULB °C (mb)	PRESSURE SEA STATE VISIBILITY	WIN D CLOUD TYPE WEATHER	BOTTOM DEPTH (m)	STA. NAME/ID											
2	39 56	30.76 N	170 48.4 W	12 JUN 10 02 30	4.6	12	237 14	122	N/A 13											
SBE 9+																				
PRESS SN																				
PRI TEMP SN																				
SEC TEMP SN																				
PRI COND SN																				
SEC COND SN																				
Nis	DEPTH	Roset.	Hydro Team-PMEL				Jessica	Weingartner	Sambrotto											
No.	DESIRED holes	SALT	Nut.BH	O2-BH No.	CHL.	Frac CHL	DIC/ALK	DOC	O18	Urea	Part.	Prod	DON	Jen	Lomas	Moran	Harvey	Carin/	Katrin	Nis
1	117	Btm	-94	-178					335											1
2	100		-95																	2
3	75		-96																	3
4	50		-97	-SB1																4
5	40	No Sample	-	2																5
6	30		-98	-3																6
7	20		-99	-4																7
8	10		-100	-5					336											8
9	0		-101	-6					337											9
10																				10
11																				11
12																				12

ICE LOG: Surface Ice Conditions or proximity to ice edge

Rosette Notes:

VESSEL R/V Thomas Thompson		CRUISE TN249		PROJECT & LEG BEST/BSIERP Spring		Ship's CTD filename 249xxxx		STATION NO. 19201				
CONSC CAST #	LATITUDE	LONGITUDE		TIME (GMT)	DRY BULB (°C)	WET BULB (°C)	PRESSURE (mb)	SEA STATE * * (deg)	WIND DIRN. SPD. (kts) TYPE WEATHER	CLOUD (an) BOTTOM DEPTH (m)	STA. NAME/ID	
DEG	MIN	DEG	MIN	DAY	MO	YR	HR	MIN				
24	056	03.24	N	17	18.0	11	W	12	JUN 10	0600	5.0	
SBE 9+				FLUOR SIN								
PRESS SN				SBE43-Oxy (prime)								
PRI TEMP SN				SBE43-Oxy (sec)								
SEC TEMP SN				Transmissometer								
PRI COND SN				PAR SIN								
SEC COND SN				O2 Temp Sensor No.								
REMARKS												
<i>Cast adrift - Problems w/ CTD @ 1000m refer to after</i>												
Nis	DEPTH	Roset.	Hydro Team-PMEL	Jessica	Weingartner	Sambrutto	Jen	Lomas	Moran	Harvey	Canin/ Kattin	Nis
No.	DESIRED Notes	SALT	Nut.Bu	O2-Bu No	CHL.	Frac CHL	DICIAK	DOC	O18	Urea Part.	Prod	Don
1	27	Btm										1
2	2500											2
3	2250											3
4	2000											4
5	1750											5
6	1500											6
7	1250											7
8	1000											8
9	750											9
10	500											10
11	400											11
12	300											12

ICE LOG: Surface Ice Conditions or proximity to ice edge

Rosette Notes:

Brackets + O₂ minimum

VESSEL R/V Thomas G. Thompson		CRUISE ID TN249		PROJECT & LEG BEST/BSIEP_Spring'10		Ship's CTD filename 249xxxx		STATION NO. 193										
CONSC CAST #		LATITUDE	LONGITUDE	TIME (GMT)	DRY BULB	WET BULB	PRESSURE	SEA STATE	WIND DIRN.	WIND SPD.	CLOUD (am)	WIND TYPE	BOTTOM DEPTH	STA. NAME/ID				
DEG	MIN	DEG	MIN	DAY	MO	YR	HR	MIN	(°C)	(°C)	(mb)	*	*	(deg)	(kts)	*	*	(m)
2	41	56	20	83	N	17	11	3	89	12	JUN	10	11	40	44.6	11	11	142
SBE 9+																		
PRESS SN																		
PRI TEMP SN																		
SEC TEMP SN																		
PRI COND SN																		
SEC COND SN																		
NIS	DEPTH	ROSET.																
No.	DESIRED	notes	SALT	Nut.Btl	O2-Btl.No	CHL..	Frac CHL.	DC/AK	DOC	018	Urea	Part.	Prod	DON				
1	138			102														
2	100			103														
3	75			104														
4	50			105		SB1												
5	40			106		2												
6	30			107		3												
7	20			108		4												
8	10			109		5												
9	0			110		6												
10																		
11																		
12																		

ICE LOG: Surface Ice Conditions or proximity to ice edge

Rosette Notes:

4/6/09 Reddy

VESSEL R/V Thomas G. Thompson		CRUISE ID TN249		PROJECT & LEG BEST/BSIERR_Spring'10		Ship's CTD filename 249xxxx		STATION NO. 193												
CONSC CAST #		LATITUDE		LONGITUDE		TIME (GMT)		DRY BULB	WET BULB	PRESSURE	SEA STATE	WIND DIRN.	WIND SPD.	CLOUD TYPE	WEATHER	BOTTOM DEPTH	STA. NAME/ID			
		DEG	MIN	DEG	MIN	DAY	MO	YR	HR	MIN	(°C)	(°C)	(mb)	*	*	(deg)	(kts)	*	*	(m)
242	5620.	83	N	171	13.8	9	W	12	J	UN	10	12	15	4.7	.10	226	8	142	EV8	
SBE 9+				FLUOR S/N																
PRESS SN				SBE43-Oxy (prime)																
PRI TEMP SN				SBE43-Oxy (sec)																
SEC TEMP SN				Transmissometer																
PRI COND SN				PAR S/N																
SEC COND SN				02 Tmp Sensor No.																
NIS	DEPTH	ROSET.		Hydro Team-PMEL		Jessica		Weingartner	Sambrotto	Jen	Lomas	Moran	Harvey	Cairn/	Kattin	NIS				
No.	DESIRED	notes		SALT	Nut.BH	O2-BtlNo	CHL.	Frac CHL.	DIC/AIK	DOC	O18	Urea	Part.	Prod	DON		Th	Lessard	Sherr	No.
1	10																			1
2	10																			2
3	10																			3
4	10																			4
5	10																			5
6																				6
7																				7
8																				8
9																				9
10																				10
11																				11
12																				12

ICE LOG: Surface Ice Conditions or proximity to ice edge

Rosette Notes:

VESSEL R/V Thomas G. Thompson		CRUISE ID TN249		PROJECT & LEG BEST/BSIEPP_Spring'10		Ship's CTD filename 249xxxx		STATION NO. 194						
CONSC CAST #		LATITUDE		LONGITUDE		TIME (GMT)	DRY BULB	WET BULB	PRESSURE					
DEG	MIN	DEG	MIN	DAY	MO	HR	(°C)	(°C)	(mb)					
24	35	18	25	N	171	07	98	W	12 JUN 10					
SBE 9+														
PRESS SN														
PRI TEMP SN														
SEC TEMP SN														
PRI COND SN														
SEC COND SN														
NIS	DEPTH	ROSETTE	Hydro Team-PMEL	Jessica	Weingartner	Sambrotto	Jen	Lomas	Moran	Harvey	Carini	Katrin	NIS	
No.	DESIRED	notes	SALT	Nut.BH	O2-Btl No	CHL.	Frac CHL.	DIC/ALK	DOC	O18	Urea	Part.	Prod	DON
1	100													
2	60													
3	40													
4	27													
5	20													
6	16													
7	16													
8	11													
9	8													
10	4													
11	0													
12	0													

ICE LOG: Surface Ice Conditions or proximity to ice edge

WD ICE

Rosette Notes:

VESSEL R/V Thomas G. Thompson		CRUISE ID TN249		PROJECT & LEG BEST/BSIERP_Spring'10		Ship's CTD filename 249xxxx		STATION NO. 194														
CONSC CAST #		DEPTH DEG	LATITUDE MIN	DEPTH DEG	LONGITUDE MIN	DAY	MO	YR	HR	MIN	(°C)	(°C)	(mb)	*	*	(deg)	(kts)	*	*	(m)	BOTTOM DEPTH	STA. NAME/ID
2	445617.73N	17108.84W	12 JUN 10	17365.2	08	16822	13978															
SBE 9+		FLUOR SN		SBE43-Oxy (prime)																		
PRESS SN		SBE43-Oxy (sec)		Transmissometer																		
PRI TEMP SN		PAR S/N		02 Tmp Sensor No.																		
SEC TEMP SN																						
PRI COND SN																						
SEC COND SN																						
NIS	DEPTH	Roset.	Hydro Team-PMEI				Jessica		Weingartner	Sambootto		Jen	Lomas	Moran	Harvey	Carin/	Katrin	Nis	REMARKS			
No.	DESIRED	notes	SALT	Nut.BtI	O2-BtI	No.	CHL.	Frac CHL.	DIC/AIk	DOC	O18	Urea	Part.	Prod	DON	Th	Lessard	Sherr	No.	MAX. DEPTH =		
1	30																				1	
2	19																				2	
3	19																				3	
4	14																				4	
5	14																				5	
6	10																				6	
7	10																				7	
8	7																				8	
9	4																				9	
10	0																				10	
11																					11	
12																					12	

ICE LOC: Surface Ice Conditions or proximity to ice edge

Rosette Notes:

VESSEL R/V Thomas G. Thompson		CRUISE ID TN249		PROJECT & LEG BEST/BSIERP_Spring'10		Ship's CTD filename 249xxxx		STATION NO. 195					
CONSC CAST #		LATITUDE DEG MIN	LONGITUDE DEG MIN	TIME (GMT) DAY	DRY BULB MO	WET BULB YR	PRESSURE (*C)	SEA STATE DIRN.	WIND SPD. DIRN.	WIND CLOUD TYPE	BOTTOM DEPTH	STA. NAME/ID	
SBE 9+					(°C)	(°C)	(mb)	*	*	(deg)	(kts)	*	(m)
245	5603.26	N	17118.01	W	13	JUN	100238	6.0	.06	20520	2	2740	NPI15
SBE 43-Oxy (prime)													
PRESS SN													
PRI TEMP SN													
SEC TEMP SN													
PRI COND SN													
SEC COND SN													
O2 Tmp Sensor No.													
NIS No.	DEPTH DESIRED notes	ROSETTE	Hydro Team-PMEL	JESSICA	Weingartner	Sambrotto	Jen	Lomas	Moran	Harvey	Carin'	Katrin	Nis No.
1	300			111	228								1
2	250			112									2
3	200			113	088								3
4	150			114	080								4
5	100			115									5
6	75			116									6
7	50			117	206	381							7
8	40			118		29							8
9	30			119		3							9
10	20			120		4							10
11	10			121		5							11
12	0			122	173	6							12

ICE LOG: Surface Ice Conditions or proximity to ice edge

Rosette Notes:

10, 9, 8, 7, 6, 5, 4, 3, 2 - leaking when vented

1950) Aborted cast due to problems
This cast is P1502

19503

VESSEL R/V Thomas G. Thompson		CRUISE ID TN249		PROJECT & LEG BEST/BSIERP Spring'10		Ship's CTD filename 249xxxx		STATION NO. 195										
CONISC CAST #		DEPTH	LATITUDE	LONGITUDE	TIME (GMT)	DRY BULB	WET BULB	PRESSURE	SEA STATE	WIND DIRN.	WIND SPD.	CLOUD (am)	TYPE	BOTTOM DEPTH	STA. NAME/ID			
DEG	MIN	DEG	MIN	DAY	MO	YR	HR	MIN	(°C)	(°C)	(mb)	*	*	(deg)	(kts)	*	(m)	
24	56	56	03	24	N	171	18	00	W	13	JUN	10	0354	5.79	.	17823	2746	NPI15
SBE 9+																		
PRESS SN																		
PRI TEMP SN																		
SEC TEMP SN																		
PRI COND SN																		
SEC COND SN																		
NIS	DEPTH	ROSET.	Hydro Team-PMEI				Jessica		Weingartner	Sambrotto	Jen	Lomas	Moran	Harvey	Carin/	Katrin	NIS	
NO.	DESIRED	notes	SALT	Nut.Btl	02-Btl.No	CHL..	Frac CHL..	DIC/ALK	DOC	018	Urea	Part.	Prod	DON		Th	Lessard	Sher
1	2700	Bottom	1377	123	-169											1 u		1
2	2500			124	-172													2
3	2250			125														3
4	2000			126														4
5	1750			127														5
6	1500		No Sod ad - gasket Pop off	128	-069													6
7	1250			128														7
8	1000			129	-187													8
9	750			130														9
10	500			131	-163													10
11	400			132	-216													11
12	300			133														12

ICE LOG: Surface Ice Conditions or proximity to ice edge

Rosette Notes:

4, 5, 6, 9 - 1 pack/s out of water

19501 Aborted due to CTD problems.
This cast is 19503