

VESSEL		CRUISE ID		PROJECT & LEG		Ship's CTD filename		STATION NO.	
R/V Thomas G. Thompson		TN249		BEST/BSERP_Spring10		249xxxxx		24908501	
CONSC CAST #		LATITUDE		LONGITUDE		TIME (GMT)		DRY BULB	
DEG MIN		DEG MIN		DAY MO YR		HR MIN		(°C)	
11 55 18		48 N		168 25 38 W		29 MAY 10		0148 3.8	
SEC 9+		FLUOR S/N		SBE43-Oxy (prime)		SBE43-Oxy (sec)		Transmissometer	
PRESS SN		PAR S/N		PAR S/N		PAR S/N		PAR S/N	
SEC TEMP SN		SEC COND SN		SEC COND SN		SEC COND SN		SEC COND SN	
SEC COND SN		O2 Temp Sensor No.		O2 Temp Sensor No.		O2 Temp Sensor No.		O2 Temp Sensor No.	
DEPTH		Roset.		Hydro Team-PNEL		Jessica		Wingman	
No. DESIRED		notes		SALT		Nut.Btl		O2-Btl.No	
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			
REMARKS		MAX. DEPTH =		m					

ICE LOG: Surface Ice Conditions or proximity to ice edge

Rosette Notes:

6

leaker out of water

24,6,7,8

leaker when water

VESSEL		R/V Thomas G. Thompson		CRUISE ID TN249		PROJECT & LEG		BEST/BSERP_Spring'10		Ship's CTD filename		249xxxxx		249		STATION NO.		85																			
CONSC CAST #		LATITUDE		LONGITUDE		TIME (GMT)		DRY BULB		WET BULB		PRESSURE		SEA STATE		VISIBILITY		WIND DIRN.		WIND SPD.		CLOUD (amt)		TYPE		WEATHER		BOTTOM DEPTH		STA. NAME/ID							
1125518		74 N		16826.58 W		29 MAY 10		0529		3.9		99		05218		1621		CN18																			
DEG		MIN		DEG		MIN		DAY		MO		YR		HR		MIN		°C		°C		(mb)		*		*		(deg)		(kts)		*		*		(m)	
SBE 9+				FLUOR S/N																																	
PRESS SN				SBE43-Oxy (prime)																																	
PRI TEMP SN				SBE43-Oxy (sec)																																	
SEC TEMP SN				Transmissometer																																	
PRI COND SN				PAR S/N																																	
SEC COND SN				02 Temp Sensor No.																																	
NIS		DEPTH		Roset.		Hydro Team-PMEL		Jessica		Weingarten		Sambrotto		Jen		Lomas		Moran		Harvey		Carlin/		Karin		NIS											
No		DESIRED		notes		SALT		Nut.Btl		O2-Btl.No		CHL.		Frac CHL.		DIC/Alk		DOC		O18		Urea		Part.		Prod		DON									
1		100						167																													
2		75						168																													
3		50						169		112		SB1		SA1																							
4		40						170				2		2																							
5		30						171				3		3																							
6		20						172				4		4																							
7		10						173		151		5		5																							
8		0						174				6		6																							
9																																					
10																																					
11																																					
12																																					

ICE LOG: Surface Ice Conditions or proximity to ice edge

Rosette Notes:

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

VESSEL		R/V Thomas G. Thompson		CRUISE ID TN249		PROJECT & LEG		BEST/BSIERP_Spring'10		Ship's CTD filename		249xxxxx		2 4 9 08601		STATION NO.		86																									
CONSC CAST #		DEG		MIN		LONGITUDE		DEG		MIN		DAY		MO		YR		TIME (GMT)		DRY BULB		WET BULB		PRESSURE		SEA STATE		VISIBILITY		WIND DIRN.		WIND SPD.		CLOUD (amt)		TYPE		WEATHER		BOTTOM DEPTH		STA. NAME/ID	
1135533.311		N		16742.15		W		29		M		A		Y		10		080704.0		.		.		02		*		*		(deg)		(kts)		*		*		(m)		138cm16			
SSE 9+		FLUOR S/N		SSE43-Oxy (prime)		SSE43-Oxy (sec)		Transmissometer		PAR S/N		O2 Trip Sensor No.		REMARKS		MAX DEPTH =		m																									
PRESS SN		PRI TEMP SN		SEC TEMP SN		PRI COND SN		SEC COND SN																																			
No		DEPT		Roset.		Hydro Team-PMEL		Jessica		Weingarten		Sambrotto		Jen		Lomas		Moran		Harvey		Carrin/		Katrin		No.																	
No		DEPT		Roset.		Hydro Team-PMEL		Jessica		Weingarten		Sambrotto		Jen		Lomas		Moran		Harvey		Carrin/		Katrin		No.																	
1		130		Bottom		175		S81		86																1																	
2		100		418		176																				2																	
3		75				177																				3																	
4		50				178																				4																	
5		40				179																				5																	
6		30				180																				6																	
7		20				181																				7																	
8		10				182																				8																	
9		0				183																				9																	
10																										10																	
11																										11																	
12																										12																	

ICE LOG: Surface Ice Conditions or proximity to ice edge

Rosette Notes:

Labels: 1, 4, 9 w/o being coded
2, 3, 5, 7, 8 when cracked

VESSEL		R/V Thomas G. Thompson		CRUISE ID TN249		PROJECT & LEG		BEST/BSIERP_Spring'10		Ship's CTD filename		249xxxxx		249 OCT01		STATION NO.		87															
CONSC CAST #		LATITUDE		LONGITUDE		TIME (GMT)		DRY BULB		WET BULB		PRESSURE		SEA STATE		VISIBILITY		WIND DIRN.		WIND SPD.		CLOUD (amt)		TYPE		WEATHER		BOTTOM DEPTH		STA. NAME/ID			
1145526.16 N		16803.70 W		29 MAY 10		110103.0		02		06619																		198 CM17					
SBE 9+		FLUOR S/N		REMARKS		LESSARD CAST		MAX. DEPTH =																									
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		Sanbroto		Jen		Lomas		Moran		Harvey		Carin/		Katrin		NIS									
No DESIRED		notes		SALT		Nut.Bt		O2-Bt.No		CHL		Frac CHL		DIC/Alk		DOC		018		Urea		Part.		Prod		DON							
1 30																																	
2 6																																	
3 6																																	
4 6																																	
5 6																																	
6 6																																	
7																																	
8																																	
9																																	
10																																	
11																																	
12																																	

ICE LOG: Surface Ice Conditions or proximity to ice edge

Rosette Notes:

Lessard:

No ice present

VESSEL		CRUISE ID		PROJECT & LEG		Ship's CTD filename		STATION NO.	
R/V Thomas G. Thompson		TN249		BEST/BSIERP_Spring'10		249xxxxx		24908702	
CONSC CAST #		LATITUDE		LONGITUDE		TIME (GMT)		DRY BULB	
1155525.95 N		16803.70 W		29 MAY 10		124104.10		WET BULB	
DEG MIN		DEG MIN		DAY MO YR		HR MIN		PRESSURE	
								SEA STATE	
								VISIBILITY	
								WIND DIRN.	
								WIND SPD.	
								CLOUD (amt)	
								TYPE	
								WEATHER	
								BOTTOM DEPTH	
								STA. NAME/ID	
								203 C417	
								MAX DEPTH =	
								m	
SBE 9+		FLUOR S/N		REMARKS		STB			
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		Roset.		Hydro Team-PMEL		Jessica		Weingartner	
No.		DESIRED		notes		SALT		Nut Btl	
1		bottom		100		-184		-206	
2		150				-185			
3		100				-186			
4		75				1			
5		56				2		SB1*	
6		46				3		2*	
7		30				4		3*	
8		20				5		4*	
9		10				6		5*	
10		0				419		7	
11									
12									

Rosette Notes:

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

VESSEL		CRUISE ID		PROJECT & LEG		Ship's CTD filename		STATION NO.	
R/V Thomas G. Thompson		TN249		BEST/BSIERP_Spring'10		249xxxxx		2 4 9 00704	
CONSC CAST #		LATITUDE		LONGITUDE		TIME (GMT)		DRY BULB	
DEG MIN		DEG MIN		DAY MO YR		HR MIN		WET BULB	
11 45 25.8		10 00 3.6		5 W 29 M A Y 1 0		16 05 04.3		03	
SEC 9+		FLUOR S/N		REMARKS		MAX. DEPTH =		m	
PRESS SN		SBE43-Oxy (prime)		PROD					
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	
No DESIRED		notes		SALT		Nut Btl		O2-Btl No	
1 32									
2 22									
3 17									
4 16									
5 11									
6 7									
7 4									
8 0									
9 0									
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		249xxxxx		2 4 9 08801		STATION NO.		88																			
CONSC CAST #		LATITUDE		LONGITUDE		TIME (GMT)		DRY BULB		WET BULB		PRESSURE		SEA STATE		VISIBILITY		WIND DIRN.		WIND SPD.		CLOUD (amt)		TYPE		WEATHER		BOTTOM DEPTH		STA. NAME/ID									
11855		41.83 N		16718.31 W		29 MAY 10		2353		3.7		.05		05114		135		CN15																					
DEG		MIN		DEG		MIN		DAY		MO		YR		HR		MIN		(°C)		(°C)		(mb)		*		*		(deg)		(kts)		*		*		(m)			
SSE 9+				FLUOR S/N																																			
PRESS SN				SSE43-Oxy (prime)																																			
PRI TEMP SN				SSE43-Oxy (sec)																																			
SEC TEMP SN				Transmissometer																																			
PRI COND SN				PAR S/N																																			
SEC COND SN				02 Temp Sensor No.																																			
NIS		DEPTH		Roset.		Hydro Team-PMEL		Jessica		Wingartner		Sambrotto		Jen		Lomas		Moran		Harvey		Carin/		Karin		NIS													
NO		DESIRED		NOTES		SALT		NUT Btl		O2-Btl.No		CHL.		Frac CHL.		DIC/Alk		DOC		018		Urea		Part.		Prod		DON											
1		bottom		130 m		421		9		178										90																			
2		160						10																															
3		75						11				SB1		SA1																									
4		50						12																															
5		40						13				12		12																									
6		30						14				3		3																									
7		20						15				5		5																									
8		10						15				6		6																									
9		0																																					
10																																							
11																																							
12																																							

ICE LOG: Surface Ice Conditions or proximity to ice edge

Rosette Notes:

6, 9, 4, 2 - pinched out O-rings badly taking

VESSEL		R/V Thomas G. Thompson		CRUISE ID		TN249		PROJECT & LEG		BEST/BSERP_Spring'10		Ship's CTD filename		249xxxxx		2 4 9 08901		STATION NO.		89											
CONSC CAST #		LATITUDE		LONGITUDE		TIME (GMT)		DRY BULB		WET BULB		PRESSURE		SEA STATE		VISIBILITY		WIND DIRN.		WIND SPD.		CLOUD (amt)		TYPE		WEATHER		BOTTOM DEPTH		STA. NAME/ID	
1195559.23N		6630.71W		30 MAY 10		325		2.4		.04		4415		1128CN13																	
SBE 9+		FLUOR S/N		REMARKS		MAX. DEPTH =																									
PRESS SN		SBE43-Oxy (prime)																													
PRI TEMP SN		SBE43-Oxy (sec)																													
SEC TEMP SN		Transmissometer																													
PRI COND SN		PAR S/N																													
SEC COND SN		O2 Trip Sensor No.																													

No.	DEPT H	Roset.	Hydro Team-PMEL				Jessica				Weingartner	Sambrotto				Jen	Lomas	Moran	Th	Harvey	Carin/	Katrin	Nls							
			notes	SALT	Nut Btl	O2-Btl/No	CHL.	Frac CHL.	DIC/Alk	DOC		Urea	Part.	Prod	DON															
1	Bottom	120m	422	16																										
2	10D			17																										
3	75			18																										
4	50			19				SB1																						
5	40			20				12																						
6	30			21				3																						
7	20			22				4																						
8	10			23				5																						
9	0			24				080																						
10																														
11																														
12																														

ICE LOG: Surface Ice Conditions or proximity to ice edge

Rosette Notes:

8,7,6,2 leak upon cracking

W

VESSEL		CRUISE ID		PROJECT & LEG		Ship's CTD filename		STATION NO.	
R/V Thomas G. Thompson		TN249		BEST/BSIERP_Spring'10		249xxxxx		24909001	
CONSC CAST #		LATITUDE		LONGITUDE		TIME (GMT)		DRY BULB	
DEG MIN		DEG MIN		DAY MO YR		HR MIN		WET BULB	
1205616.65 N		16542.08 W		30 MAY 10		0756		02.8	
FLUOR S/N		SBE43-Oxy (prime)		SBE43-Oxy (sec)		Transmissometer		PAR S/N	
SBE 9+		PRESS SN		PRI TEMP SN		SEC TEMP SN		PRI COND SN	
SEC COND SN		O2 Temp Sensor No.		Hydro Team-PMEL		Jessica		Weingarten	
NIS DEPTH		Roset.		NIS		Sambrotto		Jen	
DESIRED		notes		SALT		Nut:Btl		O2-Btl:No	
1 Bottom		85m		-423		-25		173	
2 75						-26		-095	
3 50						-27		SBI SA1	
4 40						-28		2 2	
5 30						-29		3 3	
6 20						-30		4 4	
7 10						-31		5 5	
8 0						-32		6 6	
9								-096	
10								-097	
11									
12									

ICE LOG: Surface Ice Conditions or proximity to ice edge

No ice present

Rosette Notes:

Leakage:

VESSEL		R/V Thomas G. Thompson		CRUISE ID TN249		PROJECT & LEG		BEST/BSIERP_Spring'10		Ship's CTD filename		249xxxxx		24909201		STATION NO.		92													
CONSC CAST #		LATITUDE		LONGITUDE		TIME (GMT)		DRY BULB		WET BULB		PRESSURE		SEA STATE		VISIBILITY		WIND DIRN		WIND SPO.		CLOUD (amt)		TYPE		WEATHER		BOTTOM DEPTH		STA. NAME/ID	
1225433.83 N		16454.36 W		30 MAY 10		1332		2.1		.02		4716		78		209															
DEG MIN		DEG MIN		DAY MO YR		HR MIN		(°C)		(°C)		(mb)		*		(deg)		(kts)		*		*		(m)							
SBE 9+		FLUOR S/N		SBE43-Oxy (prime)		SBE43-Oxy (sec)		Transmissometer		PAR S/N		02 Temp Sensor No.		REMARKS		MAX. DEPTH =															
PRESS SN		SBE43-Oxy (prime)		SBE43-Oxy (sec)		Transmissometer		PAR S/N		02 Temp Sensor No.		REMARKS		MAX. DEPTH =																	
PRI TEMP SN		SBE43-Oxy (prime)		SBE43-Oxy (sec)		Transmissometer		PAR S/N		02 Temp Sensor No.		REMARKS		MAX. DEPTH =																	
SEC TEMP SN		SBE43-Oxy (prime)		SBE43-Oxy (sec)		Transmissometer		PAR S/N		02 Temp Sensor No.		REMARKS		MAX. DEPTH =																	
PRI COND SN		SBE43-Oxy (prime)		SBE43-Oxy (sec)		Transmissometer		PAR S/N		02 Temp Sensor No.		REMARKS		MAX. DEPTH =																	
SEC COND SN		SBE43-Oxy (prime)		SBE43-Oxy (sec)		Transmissometer		PAR S/N		02 Temp Sensor No.		REMARKS		MAX. DEPTH =																	
NIS		Roset.		Hydro Team-PMEL		Jessica		Wingamer		Sambrotto		Jen		Lomas		Moran		Harvey		Carrin/		Karrin		NIS							
No		DESIRED		notes		SALT		Nut Btl		O2-Btl.No		CHL.		Frac CHL.		DIC/ALK		DOC		O18		Urea		Part.		Prod		DON			
1		bottom		74		-426		-40		-163		SB1		SA1		/		/		-101											
2		50				-41				SB1		SA1		/		/															
3		40				-42				2		2		/		/															
4		30				-43				3		3		/		/															
5		20				-44				4		4		/		/															
6		10				-45				5		5		/		/															
7		0				-46				6		6		/		/															
8																															
9																															
10																															
11																															
12																															

ICE LOG: Surface Ice Conditions or proximity to ice edge

Rosette Notes:

VESSEL		CRUISE ID		PROJECT & LEG		Ship's CTD filename		STATION NO.																									
R/V Thomas G. Thompson		TN249		BEST/BSIERP_Spring10		249xxxxx		24909301																									
CONSC CAST #		LATITUDE		LONGITUDE		TIME (GMT)		DRY BULB		WET BULB		PRESSURE		SEA STATE		VISIBILITY		WIND DIRN.		WIND SPD.		CLOUD (amt)		TYPE		WEATHER		BOTTOM DEPTH		STA. NAME/ID			
12356		54.66N		16402.58W		30 MAY 10		1730		2.9		.		03		060		19								72		CH7					
DEG		MIN		DEG		MIN		DAY		MO		YR		HR		MIN		(°C)		(°C)		(mb)		*		(deg)		(kts)		(m)			
SEC 9+		FLUOR S/N		SBE43-Oxy (prime)		SBE43-Oxy (sec)		Transmissometer		PAR S/N		O2 Temp Sensor No.		REMARKS		MAX DEPTH =																	
PRESS SN		SBE43-Oxy (prime)		SBE43-Oxy (sec)		Transmissometer		PAR S/N		O2 Temp Sensor No.		REMARKS		MAX DEPTH =																			
PRI TEMP SN		SBE43-Oxy (prime)		SBE43-Oxy (sec)		Transmissometer		PAR S/N		O2 Temp Sensor No.		REMARKS		MAX DEPTH =																			
SEC TEMP SN		SBE43-Oxy (prime)		SBE43-Oxy (sec)		Transmissometer		PAR S/N		O2 Temp Sensor No.		REMARKS		MAX DEPTH =																			
PRI COND SN		SBE43-Oxy (prime)		SBE43-Oxy (sec)		Transmissometer		PAR S/N		O2 Temp Sensor No.		REMARKS		MAX DEPTH =																			
SEC COND SN		SBE43-Oxy (prime)		SBE43-Oxy (sec)		Transmissometer		PAR S/N		O2 Temp Sensor No.		REMARKS		MAX DEPTH =																			
NIS		Roset.		Hydro Team-PMEL		Jessica		Wingartner		Sambrotto		Jen		Lomas		Moran		Harvey		Catin/		Karin		NIS		No.							
No		DESIRED		notes		SALT		Nut.Bd		O2-BTL.No		CHL		Frac CHL		DIC/ALK		DOC		O18		Urea		Part.		Prod		DON					
1		68				-428		-47		= 24										104													
2		50				-48		-49		581																							
3		40				-50		-51		2																							
4		30				-52		-53		3																							
5		20				-54		-55		4																							
6		10				-56		-57		5																							
7		0				-58		-59		6																							
8																																	
9																																	
10																																	
11																																	
12																																	

ICE LOG: Surface Ice Conditions or proximity to ice edge

Rosette Notes:

VESSEL		CRUISE ID TN249		PROJECT & LEG		Ship's CTD filename		STATION NO.	
R/V Thomas G. Thompson		TN249		BEST/BSIERP_Spring'10		249xxxxx		24909401	
CONSC CAST #		LATITUDE		LONGITUDE		TIME (GMT)		DRY BULB	
1245707.87N		16347.91W		30 MAY 10		19/8		2.9	
DEG MIN		DEG MIN		DAY MO YR		HR MIN		WET BULB	
1245707.87N		16347.91W		30 MAY 10		19/8		2.9	
SBE 9+		FLUOR S/N		PRESSURE		SEA STATE		VISIBILITY	
PRESS SN		SBE 43-Oxy (pr/line)		WIND DIRN.		WIND SPD.		CLOUD (amt)	
PRI TEMP SN		SBE 43-Oxy (sec)		WIND DIRN.		WIND SPD.		TYPE	
SEC TEMP SN		Transmissometer		WIND DIRN.		WIND SPD.		WEATHER	
PRI COND SN		PAR S/N		WIND DIRN.		WIND SPD.		BOTTOM DEPTH (m)	
SEC COND SN		O2 Temp Sensor No.		WIND DIRN.		WIND SPD.		STA. NAME/ID	
No		DESIR		notes		SALT		Nut. Br	
1		63		429		55		SB1 SA1	
2		50		56		12		2	
3		40		57		13		3	
4		30		58		14		4	
5		25		59		15		5	
6		25				16		6	
7		25				17		7	
8		25				18		8	
9		20		60		19		9	
10		10		61		20		10	
11		0		62		21		11	
12		0		60		22		12	

ICE LOG: Surface Ice Conditions or proximity to ice edge

Rosette Notes:

2 - 5-10s pushed out on top, leaking out of water
4,3,5,7,8,9 - leakers when vented when pulled

VESSEL		R/V Thomas G. Thompson		CRUISE ID TN249		PROJECT & LEG		TN249		BEST/BSIERP_Spring/10		Ship's CTD filename		249xxxxx		24909501		STATION NO.		95																			
CONSC CAST #		LATITUDE		LONGITUDE		TIME (GMT)		DRY BULB		WET BULB		PRESSURE		SEA STATE		VISIBILITY		WIND DIRN.		WIND SPD.		CLOUD (amt)		TYPE		WEATHER		BOTTOM DEPTH		STA. NAME/ID									
1255738		26 N		16316.77 W		31 MAY 10		0157		3.4		.04		04915		46		CN		3																			
DEG		MIN		DEG		MIN		DAY		MO		YR		HR		MIN		(°C)		(°C)		(mb)		*		*		(deg)		(kts)		*		*		(m)			
SSE 9+				FLUOR S/N																																			
PRESS SN				SSE43-Oxy (prime)																																			
PRI TEMP SN				SSE43-Oxy (sec)																																			
SEC TEMP SN				Transmissometer																																			
PRI COND SN				PAR S/N																																			
SEC COND SN				Q2 Temp Sensor No.																																			
NIS		DEPTH		Roset.		Hydro Team-PHEL		Jessica		Weingartner		Sambrotto		Jen		Lomas		Moran		Harvey		Catin/		Karin		NIS													
No		DESIRED		notes		SALT		Nut.Bt		O2-Bt.LNo		CHL.		Frac CHL.		DIC/Alk		DOC		O18		Urea		Part.		Prod		DON											
1		Bottom		40m		430		63		242		4D1								110																			
2		30						64				2																											
3		20						65				3																											
4		10						66				4								111																			
5		0						67				5								112																			
6																																							
7																																							
8																																							
9																																							
10																																							
11																																							
12																																							

ICE LOG: Surface Ice Conditions or proximity to ice edge

Rosette Notes:

2 - 1eaker out of water
3,4,5 - 1eakers when vented

VESSEL R/V Thomas G. Thompson				CRUISE ID TN249				PROJECT & LEG BEST/BSIERP_Spring'10				Ship's CTD filename 249xxxxx				STATION NO. 96																							
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)			
1265647.30N		16357.35W		31		MAY		10		07		48		3.0		.04		04318						74		70M1													
SBE 9+		FLUOR S/N		SBE43-Oxy (prime)		SBE43-Oxy (sec)		Transmissometer		PAR S/N		O2 Temp Sensor No.		REMARKS		MAX DEPTH =		m																					
PRESS SN		PRI TEMP SN		SEC TEMP SN		PRI COND SN		SEC COND SN																															
No.		DEPT#		Roset.		Hydro Team-PMEL		Jessica		Weingartner		Sambrotto		Jen		Lomas		Moran		Harvey		Carrin/		Karrin		No.													
No.		DEPT#		notes		SALT		Nuc Btl		O2-Btl No		CHL		Frac CHL		DIC/AIK		DOC		018		Urea		Part.		Prod		DON											
1		65		431		68		143		SB1		SA1		/		/		/		/		/		/		/		/		/		/		/					
2		50				69				SB1		SA1		/		/		/		/		/		/		/		/		/		/		/					
3		40				70				2		2		/		/		/		/		/		/		/		/		/		/		/					
4		30				71				3		3		/		/		/		/		/		/		/		/		/		/		/					
5		20				72				4		4		/		/		/		/		/		/		/		/		/		/		/					
6		10				73				5		5		/		/		/		/		/		/		/		/		/		/		/					
7		0				74				6		6		/		/		/		/		/		/		/		/		/		/		/					
8																																							
9																																							
10																																							
11																																							
12																																							

ICE LOG: Surface Ice Conditions or proximity to ice edge

Rosette Notes:

Rebuo. 2, 3, 4, 6, 7

VESSEL	CRUISE ID	PROJECT & LEG	Ship's CTD filename	STATION NO.
R/V Thomas G. Thompson	TN249	BEST/BSERP-Spring10	249xxxxx 249 09701	92

CONSC CAST #	LATITUDE	LONGITUDE	TIME (GMT)	DRY BULB	WET BULB	PRESSURE	SEA STATE	VISIBILITY	WIND DIRN.	WIND SPD.	CLOUD (amt)	TYPE WEATHER	BOTTOM DEPTH	STA. NAME/ID
1	27°56'50.74" N	164°04'42.31" W	0851	3.3		04			048	18			73	70m2

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

REMARKS

MAX DEPTH = m

NIS	DEPTH	Roset.	Hydro Team-PMEL					Jessica	Weingarten	Sambrotto			Jen	Lomas	Moran	Harvey	Carin/	Karin	NIS	
No.	DESIRED	notes	SALT	Nut.BI	O2-BI.No	CHL.	Frac CHL.	DIC/Alk	DOC	018	Urea	Part.	Prod	DON			Th	Lessard	Sherr	No.
1	Bottom 660		432	75						116										1
2	61		76,77,78	-3 nuts for ISUS						1,2,3	-nuts for ISUS						7,8,9	-1-17 dred		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 nuts for ISUS						4,5,6	-nuts for ISUS						10,11,12	-f. Hired		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 jellies

Rosette Notes:

Laters: 2, 3, 4, 5, 6, 7, 8,
 9 (least even before cradling)

VESSEL		R/V Thomas G. Thompson		CRUISE ID TN249		PROJECT & LEG		TN249		BEST/BSIERP_Spring'10		Ship's CTD filename		249xxxxx		2 4 9		09801		STATION NO.		98									
CONSC CAST #		LATITUDE		LONGITUDE		TIME (GMT)		DRY BULB		WET BULB		PRESSURE		SEA STATE		VISIBILITY		WIND DIRN.		WIND SPD.		CLOUD (amt)		WEATHER		BOTTOM DEPTH		STA. NAME/ID			
1285650.02		N		16418.87		W		31		MAY 10		10001		2.8		.04		03818		73		70M3									
SBE 9+		FLUOR S/N		SBE43-Oxy (prime)		SBE43-Oxy (sec)		Transmissometer		PAR S/N		02 Temp Sensor No.		REMARKS		MAX. DEPTH =															
PRESS SN		PRI TEMP SN		SEC TEMP SN		PRI COND SN		SEC COND SN																							
No		DEPTH		Roset.		Hydro Team-PWEL		Jessica		Wingarter		Sambrotto		Jen		Lomas		Moran		Harvey		Cann/		Katin		Nis					
No		DESIRED		notes		SALT		Nut.Br		O2-BR/No		CHL.		Frac CHL.		DIC/Aik		DOC		O18		Urea		Part.		Prod		DON			
1		bottom		65m		433		88		1		SB1		/		/		119													
2		50						89				2																			
3		40						90				3																			
4		30						91				4																			
5		20						92				5																			
6		10						93				6																			
7		0						94				/																			
8																															
9																															
10																															
11																															
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 BEST/BSIERP Spr., 10		Ship's CTD filename 249xxxxx		24901		STATION NO. 990	
CONSC CAST #		LATITUDE		LONGITUDE		TIME (GMT)		DRY BULB		WET BULB	
DEG MIN		DEG MIN		DAY MO YR		HR MIN		(°C)		(°C)	
1295651.37N		16430.29W		31 MAY 10		1126		3.2		.03	
SBE 9+		FLUOR S/N		REMARKS		MAX. DEPTH =					
PRESS SN		SBE43-Oxy (prime)									
PRI TEMP SN		SBE43-Oxy (sec)									
SEC TEMP SN		Transmissometer									
PRI COND SN		PAR S/N									
SEC COND SN		O2 Temp Sensor No.									

No.	DEPTH	Desired notes	SALT	Nut.BI	O2-BI.No	CHL.	Frac CHL	DIC/AIK	DOC	O18	Urea	Part.	Prod	DON	Jen	Lomas	Moran	Th	Harvey	Carriv	Katrin	No.
1	65		434	95						122												1
2	50			96		SBI SA1																2
3	40			97		2	12															3
4	30			98		3	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						123												11
12	0			102						124												12

ICE LOG: Surface Ice Conditions or proximity to ice edge

Rosette Notes:

9+5 did not leak when cracked
Too many leaders to take O₂ samples

VESSEL		CRUISE TN249		PROJECT & LEG		Ship's CTD filename		STATION NO.	
RV Thomas G. Thompson		TN249		BEST/BSIERP Spring 10		249xxxxy 2 4 9 09902		99	
CONSC CAST #	LATITUDE	LONGITUDE		TIME (GMT)		DRY BULB	WET BULB	PRESSURE	SEA STATE
1	30 56 51.18 N	164 30.34 W	31 MAY 10	14 33	2.5	04	06 51 7	73	70m4
SBE 9+	FLUOR S/N	REMARKS		MAX. DEPTH =					
PRESS SN	SBE43-Oxy (prime)	2009							
PRI TEMP SN	SBE43-Oxy (sec)								
SEC TEMP SN	Transmissometer								
PRI COND SN	PAR S/N								
SEC COND SN	O2 Temp Sensor No.								

No.	DEPTH	Roset.	Hydro Team-PMEL				Jessica		Wiegarter		Sambroto			Jen	Lomas	Moran	Harvey	Carriv	Katrin	No.
			SALT	Nut Bl	O2-BI.No	CHL	Frac CHL	DIC/ALK	DOC	O18	Urea	Part	Prod							
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																			12

ICE LOG: Surface Ice Conditions or proximity to ice edge

Rosette Notes:

Unburnt: all except 5 & 12

VESSEL		CRUISE TN249		PROJECT & LEG		Ships CTD filename		STATION NO.	
RV Thomas G. Thompson		TN249		BEST/BSIERP Spring 10		249xxxxx 2 4 9		09903	
CONSC CAST #		LATITUDE		LONGITUDE		TIME (GMT)		DRY BULB WET BULB	
131		5651.22 N		16930.33 W		31 MAY 10		1600 2.6	
DEG MIN		DEG MIN		DAY MO YR		HR MIN		°C °C	
131 5651.22		16930.33		31 MAY 10		1600		2.6	
SBE 9+		FLUOR S/N		SBE43-Oxy (prime)		SBE43-Oxy (sec)		Transmissometer	
PRESS SN		PAR S/N		Q2 Temp Sensor No.		REMARKS		MAX. DEPTH =	
PRI TEMP SN		PAR S/N		Q2 Temp Sensor No.		Prod			
SEC TEMP SN		PAR S/N		Q2 Temp Sensor No.					
PRI COND SN		PAR S/N		Q2 Temp Sensor No.					
SEC COND SN		PAR S/N		Q2 Temp Sensor No.					
NIS		DEPTH		Roset.		Hydro Team-PMEL		Jessica	
No.		DESIRED		SALT		NUTRI		O2-BIL/No	
1		33							
2		33							
3		33							
4		21							
5		14							
6		10							
7		7							
8		4							
9		0							
10		0							
11									
12									
NIS		DEPTH		Roset.		Hydro Team-PMEL		Jessica	
No.		DESIRED		SALT		NUTRI		O2-BIL/No	
1		33							
2		33							
3		33							
4		21							
5		14							
6		10							
7		7							
8		4							
9		0							
10		0							
11									
12									

ICE LOG: Surface Ice Conditions or proximity to ice edge

Rosette Notes:

5 leading as it came out of water!

VESSEL	CRUISE TN249	PROJECT & LEG	Ships CTD filename	STATION NO.
RV Thomas G. Thompson	TN249	BEST/BSIERP Spring 10	249xxxxy 2 4 9 / 0001	100

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
1325654	50 N	16449.67 W	31 MAY 10 1905	2.9	.	04	062	8				7370m	5

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

Nis	DEPTH	Roset.	Hydro Team-PMEL				Jessica		Weingartner		Sambroto			Jen	Lomas	Moran	Harvey	Carin'	Katrin	Nis
			DESIRED	notes	SALT	Nut Bit	O2-Bit No	CHL	Frac CHL	DIC/Aik	DOC	O18	Urea							
1	68				435	104	144													1
2	50					105		SB1												2
3	40					106		12												3
4	30					107		3												4
5	20					108		4												5
6	10					109		5												6
7	0					110		6												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 labeled except 1

VESSEL		CRUISE TN249		PROJECT & LEG		Ship's CTD filename		STATION NO.	
RV Thomas G. Thompson		TN249		BEST/BIERP Spring 10		249xxxxx		24910101	
CONSC CAST #		LATITUDE		LONGITUDE		TIME (GMT)		DRY BULB WET BULB	
1335651.55 N		16507.39 W		31 MAY 10		2033		2.5	
DEG MIN		DEG MIN		DAY MO YR		HR MIN		°C °C	
1335651.55 N		16507.39 W		31 MAY 10		2033		2.5	
SBE 9+		FLUOR S/N		REMARKS		MAX. DEPTH =		m	
PRESS SN		SBE43-Oxy (prime)							
PRI TEMP SN		SBE43-Oxy (sec)							
SEC TEMP SN		Transmissometer							
PRI COND SN		PAR S/N							
SEC COND SN		O2 Temp Sensor No.							
NIS		Rosel		Hydro Team-PMEL		Jessica		Weingartner	
No. DESIRED		notes		SALT		Nut. Bt		O2-Bt. No.	
1		69 m btm		-437		-111			
2		50				-112		S61	
3		40				-113		2	
4		30				-114		3	
5		20				-115		4	
6		10				-116		5	
7		0				-117		239	
8									
9									
10									
11									
12									
NIS		DEPTH		Jen		Lomas		Moran	
No.		No.		Th		Harvey		Carriv	
1		69 m		-437		-111		-125	
2		50				-112		S61	
3		40				-113		2	
4		30				-114		3	
5		20				-115		4	
6		10				-116		5	
7		0				-117		239	
8									
9									
10									
11									
12									

ICE LOG: Surface Ice Conditions or proximity to ice edge

Rosette Notes:

Labura 2,3,4,5,6,7 after creaking

VESSEL RV Thomas G. Thompson		CRUISE TN249		PROJECT & LEG TN249		BEST/BSIERP Spring'10		Ship's CTD filename 249xxxxx		24 9 10 201		STATION NO. 102	
CONSC CAST #		LATITUDE		LONGITUDE		TIME (GMT)		DRY BULB		WET BULB		PRESSURE	
DEG MIN		DEG MIN		DAY MO YR		HR MIN		(°C)		(°C)		(mb)	
1345659.61 N		16522.64 W		31 MAY 10		2207		2.6		.04		031	
SBE 9+		FLUOR S/N		REMARKS		MAX. DEPTH =							
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		Sambroto			Jen	Lomas	Moran	Harvey	Cariv	Karin	Nis
			No.	DESIRED	notes	SALT	Nut.Bt	O2-Bt.No	CHL	Frac CHL	DIC/Aik	DOC	O18							
1	67m	85m																		1
2	50		436	118			SB1	SA1		128										2
3	40			119			2	2												3
4	30			120			3	3												4
5	20			121			4	4												5
6	10			122			5	5		129										6
7	0			123			6	6		130										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, 2, 4, 5, 7 leaked once cracked

VESSEL RV Thomas G. Thompson		CRUISE TN249		PROJECT & LEG BEST/BSIERP Spring'10		Ship's CTD filename 249xxxxx		STATION NO. 103	
CONSC CAST #		LATITUDE		LONGITUDE		TIME (GMT)		DRY BULB WET BULB	
DEG MIN		DEG MIN		DAY MO YR		HR MIN		PRESSURE	
135 57 06.46 N		165 36.79 W		31 MAY 10		23 42		3.6	
SBE 9+		FLUOR S/N		REMARKS		MAX. DEPTH =			
PRESS SN		SBE43-Oxy (prime)		Chloramax - 18-20 m					
PRI TEMP SN		SBE43-Oxy (sec)							
SEC TEMP SN		Transmissometer							
PRI COND SN		PAR S/N							
SEC COND SN		O2 Temp Sensor No.							

Nis	DEPTH	Roset.	Hydro Team-PMEL				Jessica	Weingartner	Sambrotto			Jen	Lomas	Moran	Harvey	Cariv	Katrin	Nis		
No.	DESIRE	notes	SALT	Nut.Bt	O2-Bt.No	CHL	Frac CHL	DIC/AIK	DOC	O18	Urea	Part.	Prod	DON			Th	Lessard	Sherr	No.
1	66m	Btm	439	124	208					191										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	Bad																		7
8																				8
9																				9
10																				10
11																				11
12																				12

ICE LOG: Surface Ice Conditions or proximity to ice edge

Rosette Notes:

7 - Leaker out of water
6,5,4,3,2 leaker once cracked

VESSEL		CRUISE TN249		PROJECT & LEG		Ship's CTD filename		STATION NO.	
RV Thomas G. Thompson		TN249		BEST/BSIERP Spring10		249xxxxx		24910401	
CONSC CAST #		LATITUDE		LONGITUDE		TIME (GMT)		DRY BULB WET BULB	
DEG MIN		DEG MIN		DAY MO YR		HR MIN		PRESSURE	
1 36 57 15.67 N		1 65 44.83 W		01 JUN 10		10 11 03.1		04	
SBE 9+		FLUOR S/N		REMARKS		MAX. DEPTH =			
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		Roset.		Hydro Team-PMEL		Jessica		Weingartner	
No.		DESIRED notes		SALT		Nut Btl		O2-Btl No	
				CHL		Frac CHL		DIC/ALK	
				DOC		O18		Urea	
				Part.		Prod		DON	
				Jen		Lomas		Moran	
				Harvey		Cariv		Katrin	
				Sherr					
				No.					
1 Bot		60m 440 131 182		133					
2 50		132		581					
3 40		133		12					
4 30		134		3					
5 20		135		4					
6 10		136		5					
7 Surface		137		135					
8									
9									
10									
11									
12									

ICE LOG: Surface Ice Conditions or proximity to ice edge

Rosette Notes:

7,6,5,4,3 leak after cracked
2-leaker before cracked

VESSEL RV Thomas J. Thompson		CRUISE TN249		PROJECT & LEG TN249		BEST/BSIERP Spr. 10		Ship's CTD filename 249xxxxx		STATION NO. 24910501	
CONSC CAST #		LATITUDE		LONGITUDE		TIME (GMT)		DRY BULB		WET BULB	
1375219.27N		16600.68W		01 JUN 10		0235		3.9		.03	
SBE 9+		FLUOR S/N		SBE43-Oxy (prime)		SBE43-Oxy (sec)		Transmissometer		PAR S/N	
PRESS SN		SBE43-Oxy (prime)		SBE43-Oxy (sec)		Transmissometer		PAR S/N		O2 Temp Sensor No.	
PRI TEMP SN		SBE43-Oxy (prime)		SBE43-Oxy (sec)		Transmissometer		PAR S/N		O2 Temp Sensor No.	
SEC TEMP SN		SBE43-Oxy (prime)		SBE43-Oxy (sec)		Transmissometer		PAR S/N		O2 Temp Sensor No.	
PRI COND SN		SBE43-Oxy (prime)		SBE43-Oxy (sec)		Transmissometer		PAR S/N		O2 Temp Sensor No.	
SEC COND SN		SBE43-Oxy (prime)		SBE43-Oxy (sec)		Transmissometer		PAR S/N		O2 Temp Sensor No.	

N/S		DEPTH		Roset.		Hydro Team-PMEL		Jessica		Weingartner		Sambroto		Jen		Lomas		Moran		Harvey		Cariv		Karin					
No.		DESIRED		notes		SALT		Nut.Bt		O2-Bt.No		CHL		Frac CHL		DIC/AIK		DOC		O18		Urea		Part.		Prod		DON	
1		60		Btm		441		138																					
2		50				139				SBI-SAI																			
3		40						140		12		2																	
4		30						141		3		3																	
5		20						142		4		4																	
6		10						143		5		5																	
7		0						144		6		6																	
8																													
9																													
10																													
11																													
12																													

ICE LOG: Surface Ice Conditions or proximity to ice edge

Rosette Notes: 2 - Leaking out of water

7,6,5,4, - Leaking when Vented

REMARKS

Chloromax - 15-20 m

MAX. DEPTH =

m

VESSEL		CRUISE TN249		PROJECT & LEG		Ship's CTD filename		STATION NO.	
RV Thomas G. Thompson		TN249		BEST/BSIERP Spring 10		249xxxxx		249 10601	
CONSC CAST #		LATITUDE		LONGITUDE		TIME (GMT)		DRY BULB WET BULB PRESSURE	
1385719.27N		16619.45W		01 JUN 10		0415		4.8 . 03	
SBE 9+		FLUOR S/N		SBE43-Oxy (prime)		SBE43-Oxy (sec)		Transmissometer	
PRESS SN		PAR S/N		O2 Temp Sensor No.		REMARKS		MAX. DEPTH =	
PRI TEMP SN		O2 COND SN		O2 Tmp Sensor No.					
SEC TEMP SN		O2 COND SN		O2 Tmp Sensor No.					
PRI COND SN		O2 COND SN		O2 Tmp Sensor No.					
SEC COND SN		O2 COND SN		O2 Tmp Sensor No.					
No. DESIRED		SALT		Nut Btl		O2-Btl No		CHL. Frac CHL DIC/Alk	
1 60m Btm		-145		-146		-147		-148	
2 50		-145		-146		-147		-148	
3 40		-145		-146		-147		-148	
4 30		-145		-146		-147		-148	
5 20		-145		-146		-147		-148	
6 10		-145		-146		-147		-148	
7 0		-145		-146		-147		-148	
8		-145		-146		-147		-148	
9		-145		-146		-147		-148	
10		-145		-146		-147		-148	
11		-145		-146		-147		-148	
12		-145		-146		-147		-148	

ICE LOG: Surface Ice Conditions or proximity to ice edge

Rosette Notes:

1 - pushed out 0.1m - no samples
2,3,4,5,6,7 - leaks when vented

VESSEL		CRUISE TN249		PROJECT & LEG		Ship's CTD filename		STATION NO.	
RV Thomas G. Thompson		TN249		BEST/BSIERP Spring10		249xxxxx		24910701	
CONSC CAST #		LATITUDE		LONGITUDE		TIME (GMT)		DRY BULB WET BULB	
DEG MIN		DEG MIN		DAY MO YR		HR MIN		(°C) (°C)	
1 39 57 26.24 N		1 66 30.74 W		01 JUN 10		05 30		3.5	
SBE 9+		FLUOR SN		REMARKS		PRESSURE		SEA STATE	
PRESS SN		SBE43-Oxy (prime)		Chloro max ~ 10m		(mb)		WIND DIRN.	
PRI TEMP SN		SBE43-Oxy (sec)				* (deg)		WIND SPD.	
SEC TEMP SN		Transmissometer				* (kts)		CLOUD (amt)	
PRI COND SN		PAR SN				* (m)		WEATHER	
SEC COND SN		O2 Temp Sensor No.				MAX. DEPTH =		BOTTOM DEPTH	
								(m)	
								69 70m	
								12	

NIS	DEPTH	Roset.	SALT	Nut. Btl	O2-Btl No.	CHL.	Frac CHL	DIC/ALK	DOC	O18	Urea	Part.	Prod	DON	Jen	Lomas	Moran	Harvey	Carlin	Katrin	NIS
1	65	Bm	443	151	196					139											1
2	50			152		581															2
3	40			153		12															3
4	30			154		3															4
5	20			155		4															5
6	10			156		5															6
7	0			157		6															7
8																					8
9																					9
10																					10
11																					11
12																					12

ICE LOG: Surface Ice Conditions or proximity to ice edge

Rosette Notes: 2,4,5,7 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 249xxxxx		STATION NO. 10801	
CONSC CAST #		LATITUDE		LONGITUDE		TIME (GMT)		DRY BULB WET BULB	
DEG MIN		DEG MIN		DAY MO YR		HR MIN		PRESSURE	
14057 25.75 N		16648.64 W		01 JUN 10		0650		2.3	
SBE 9+		FLUOR S/N		REMARKS		MAX. DEPTH =			
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		Roset.		Hydro Team-PMEL		Jessica		Weingartner	
No. DESIRED		SALT		Nut Btl		O2-Btl No		CHL	
1 65		btm -445.158						Frac CHL DIC/AIK	
2 50				-159		SBI, SAL		DOC	
3 40				-160		-12		2	
4 30				-161		-13		3	
5 20				-162		-14		4	
6 10				-163		-15		5	
7 0				-164		-16		6	
8									
9									
10									
11									
12									

ICE LOG: Surface Ice Conditions or proximity to ice edge

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

VESSEL		CRUISE TN249		PROJECT & LEG		Ship's CTD filename		STATION NO.	
RV Thomas J. Thompson		TN249		BEST/BSIERP Spr. y. 10		249xxxxx		2 4 9 / 1001	
CONSC CAST #		LATITUDE		LONGITUDE		TIME (GMT)		DRY BULB WET BULB	
1425729.95 N		16720.53 W		01 JUN 10		0948		0.7	
DEG MIN		DEG MIN		DAY MO YR		HR MIN		°C °C	
1425729.95		16720.53		01 JUN 10		0948		0.7	
SBE 9+		FLUOR S/N		REMARKS		MAX. DEPTH =		m	
PRESS SN		SBE43-Oxy (prime)							
PRI TEMP SN		SBE43-Oxy (sec)							
SEC TEMP SN		Transmissometer							
PRI COND SN		PAR S/N							
SEC COND SN		O2 Tmp Sensor No.							

Nis	DEPTH	Roset.	Hydro Team-PMEL				Jessica		Weingartner		Sambrotto			Jen	Lomas	Moran	Harvey	Carin/	Karin	Nis
			No.	DESIRED	notes	SALT	Nut. Bl	O2-BL No	CHL	Frac CHL	DIC/ALK	DOC	O18							
1	65		447	172	197															1
2	50			173		5B1														2
3	40			174		2														3
4	30			175		3														4
5	20			176		4														5
6	10			177		5														6
7	0			178		6														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 working

VESSEL	CRUISE	PROJECT & LEG	Ship's CTD filename	STATION NO.
RV Thomas G. Thompson	TN249	BEST/BSIERP Spring 10	249xxxxx 2 4 9 11 01	111

CONSC CAST #	LATITUDE		LONGITUDE		TIME (GMT)		DRY BULB	WET BULB	PRESSURE	SEA STATE	WIND DIRN.	WIND SPD.	CLOUD (%)	WEATHER	BOTTOM DEPTH	STA. NAME/ID
1435730	30	00 N	16740	16 W	01	JUN 10	1140	-0.8	04	360	26	72	70M/16			

SBE 9+	FLUOR S/N	REMARKS
PRESS SN	SBE43-Oxy (prime)	Lessard / STD
PRI TEMP SN	SBE43-Oxy (sec)	
SEC TEMP SN	Transmissometer	
PRI COND SN	PAR S/N	
SEC COND SN	O2 Temp Sensor No.	MAX. DEPTH =

Nis	DEPTH	Roset.	Hydro Team-PMEL				Jessica		Weingartner				Jen		Lomas		Moran		Harvey		Cariv		Katrin		Nis
			SALT	Nut BH	O2-Btl No	CHL	Frac CHL	DIC/ALK	DOC	O18	Urea	Part.	Prod	DON											
1	66		448	179						148															1
2	50			180		LD1	LC1																		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

no ice

Rosette Notes:

Bottle 9 only non-leaker

VESSEL	CRUISE TN249	PROJECT & LEG	Ships CTD filename	STATION NO.
RV Thomas G. Thompson	TN249	BEST/BSIERP Spring 10	249xxxxx 249 11201	1120

CONSC CAST #	DEG	MIN	LONGITUDE	DEG	MIN	DAY	MO	YR	HR	MIN	TIME (GMT)	DRY BULB	WET BULB	PRESSURE	SEA STATE	WIND DIRN.	WIND SPD.	CLOUD (an)	WEATHER	BOTTOM DEPTH	STA. NAME/ID
1445730.04N			16759.14W			01	JUN	10	13	40	-1.4			04		00227				72	70M17

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

Nis	DEPTH	Roset.	Hydro Team-PMEL					Jessica			Weingartner		Sambroto			Jen	Lomas	Moran	Harvey	Carriv	Karrin	Nis	
			DESIRE	notes	SALT	Nut BI	O2-BI, No	CHL	Frac CHL	DIC/Alk	DOC	O18	Urea	Part.	Prod								DOIN
1	67			449	186	107						151											1
2	50				1		SB1																2
3	40				2		2																3
4	30				3		3																4
5	20				4		4																5
6	10				5		5					152											6
7	0				6		6					153											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:

1-3 not leaking

VESSEL	CRUISE TN249	PROJECT & LEG	Ship's CTD filename	STATION NO.
RV Thomas G. Thompson	TN249	BEST/BIERP Spring 10	249xxxxy 2 4 9 11401	119

CONSC CAST #	DEG	MIN	DEG	MIN	DAY	MO	YR	HR	MIN	TIME (GMT)	DRY BULB	WET BULB	PRESSURE	SEA STATE	WIND DIRN.	WIND SPD.	CLOUD (an)	TYPE	WEATHER	BOTTOM DEPTH	STA. NAME/ID
1465731		46	N	6836	85	W	01	JUN	10	1653	-1.4				359	27				71.9	750119

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

Nis	DEPTH	Roset.	SALT	Mut.BI	O2-BI No	CHL.	Frac CHL	DIC/ALK	DOC	O18	Urea	Part.	Prod	DON	Jen	Lomas	Moran	Harvey	Cariv	Katrin	Nis
No.	DESIRED	notes															Th	Lessard	Sherr		No.
1	68		451	14	231			/		157											1
2	50			15		SB 1 SA 1															2
3	40			16		2	2														3
4	30			17		3	3														4
5	20			18		4	4														5
6	10			19		5	5			158											6
7	0			20		6	6			159											7
8																					8
9																					9
10																					10
11																					11
12																					12

ICE LOG: Surface Ice Conditions or proximity to ice edge

Rosette Notes:

1 & 5 not backing

VESSEL	CRUISE ID	PROJECT & LEG	Ship's CTD filename	STATION NO.
R/V Thomas G. Thompson	TN249	BEST/BSIERP_Spring'10	249xxxxx	11501

CONSC CAST #	LATITUDE	LONGITUDE	TIME (GMT)	DRY BULB	WET BULB	PRESSURE	SEA STATE	VISIBILITY	WIND DIRN.	WIND SPD.	CLOUD (amt)	TYPE	WEATHER	BOTTOM DEPTH	STA. NAME/ID
147	57 37 . 76 N	168 49 . 58 W	01 JUN 10	18 31 - 1 . 6		06	*	*	7-1	28	*	*		70	70 M20
DEG	MIN	DEG	MIN	(°C)	(°C)	(mb)			(deg)	(kts)				(m)	

REMARKS

MAX. DEPTH = m

SEC 9+ _____ FLUOR S/N _____

PRESS SN _____ SBE43-Oxy (prime) _____

PRI TEMP SN _____ SBE43-Oxy (sec) _____

SEC TEMP SN _____ Transmissometer _____

PRI COND SN _____ PAR S/N _____

SEC COND SN _____ O2 Temp Sensor No. _____

NIS No.	DEPTH	Roset.	Hydro Team-PMEL				Jessica				Weingartner				Sambrotto				Jen	Lomas	Moran	Harvey	Carin/Sherr	Karin	NIS No.
			notes	SALT	Nut BH	O2-est No	CHL	Frac CHL	DK/Alk	DOC	O18	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:

1st not working

VESSEL		R/V Thomas G. Thompson		CRUISE ID TN249		PROJECT & LEG		BEST/BSIERP_Spring10		Ship's CTD filename		249xxxxx		2 4 9		STATION NO.		11601									
CONSC		LATITUDE		LONGITUDE		TIME (GMT)		DRY BULB		WET BULB		PRESSURE		SEA STATE		WIND DIRN.		WIND SPD.		CLOUD (am)		WEATHER		BOTTOM DEPTH		STA. NAME/ID	
CAST #	DEG	MIN	SEC	DEG	MIN	SEC	DAY	MO	YR	HR	MIN	SEC	(°C)	(°C)	(mb)	*	(deg)	(kts)	*	*	*	*	(m)				
148	57	47	.38	N	168	50	.99	W	01	JUN	10	21	12	-1	.5			07			00	22	5		71	70m	21
SBE 9+		FLUOR S/N		SBE 43-Oxy (prime)		SBE 43-Oxy (sec)		Transmissometer		PAR S/N		O2 Temp Sensor No.		REMARKS													
PRESS SN		SBE 43-Oxy (prime)		SBE 43-Oxy (sec)		Transmissometer		PAR S/N		O2 Temp Sensor No.		MAX DEPTH = m															
PRI TEMP SN		SBE 43-Oxy (prime)		SBE 43-Oxy (sec)		Transmissometer		PAR S/N		O2 Temp Sensor No.																	
SEC TEMP SN		SBE 43-Oxy (prime)		SBE 43-Oxy (sec)		Transmissometer		PAR S/N		O2 Temp Sensor No.																	
PRI COND SN		SBE 43-Oxy (prime)		SBE 43-Oxy (sec)		Transmissometer		PAR S/N		O2 Temp Sensor No.																	
SEC COND SN		SBE 43-Oxy (prime)		SBE 43-Oxy (sec)		Transmissometer		PAR S/N		O2 Temp Sensor No.																	

NIS	DEPTH	Roset.	Hydro Team-PMEL				Jessica				Weingartner				Sambrotto				Jen	Lomas	Moran	Th	Harvey	Carin/	Katrin	NIS
			DESIRED	notes	SALT	Nut.Btl	O2-Btl.No	CHL.	Frac CHL.	DIC/ALK	DOC	O18	Urea	Part.	Prod	DON										
1	66m	Bm				28		058																		1
2	50					29		381																		2
3	40					30		12																		3
4	30					453		31																		4
5	20							32																		5
6	10							33																		6
7	0							34																		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 - leaders when vented
4 - pushed out O-rings on top but not leaking @ bottom

VESSEL		CRUISE TN249		PROJECT & LEG		Ship's CTD filename		STATION NO.							
RV Thomas G. Thompson		TN249		BEST/BSIERP Spring '10		249xxxxx		2 4 9 11701							
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
1495750.84 N	16854.51 W	01 JUN 10	2218-1.2	08	004	27	71	76 m	22						
SBE 9+	FLUOR SN	REMARKS													
PRESS SN	SBE43-Oxy (prime)	MAX. DEPTH =													
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	Carin/	Karin	NIS
No.	DESIRED notes	SALT	Nut.Bt	O2-Bt.No	CHL	Frac CHL	DIC/ALK	DOC	O18	Urea	Part.	Prod	DON		No.
1	66 m Btm	434	35						163						1
2	50		36		LD1	LD1									2
3	40		37		LD2	LD2									3
4	30		38		3	3									4
5	20		39		4	4									5
6	10		40		5	5			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. 1eakings when vented

VESSEL		CRUISE TN249		PROJECT & LEG		Ship's CTD filename		STATION NO.	
RV Thomas G. Thompson		TN249		BEST/BIERP Spring'10		249xxxxx		249 11801	
CONSC CAST #	LATITUDE	LONGITUDE		TIME (GMT)		DRY BULB	WET BULB	PRESSURE	SEA STATE
DEG MIN	DEG MIN	DAY	MO	YR	HR MIN	(°C)	(°C)	(mb)	* * *
1505754.18 N	16903.83 W	01	JUN	10	2357-1	3		08	
REMARKS									
MAX. DEPTH =									
SBE 9+	FLUOR S/N								
PRESS SN	SBE43-Oxy (prime)								
PRI TEMP SN	SBE43-Oxy (sec)								
SEC TEMP SN	Transmissometer								
PRI COND SN	PAR S/N								
SEC COND SN	O2 Temp Sensor No.								
NIS	DEPTH	Rosel	Hydro Team-PMEL		Jessica	Weingartner	Sambrotto		Jen
No.	DESIRED	notes	SALT	Nut.Btl	O2-Btl.No	CHL	Frac CHL	DIC/AIK	DOC
1	63			-42	-145				-165
2	50			-43		AD1			
3	40			-44		2			
4	30			-45		3			
5	20			-46		4			
6	10			-47		5			-166
7	0			-48		6			-167
8									
9									
10									
11									
12									
NIS	DEPTH	Rosel	Hydro Team-PMEL		Jessica	Weingartner	Sambrotto		Jen
No.	DESIRED	notes	SALT	Nut.Btl	O2-Btl.No	CHL	Frac CHL	DIC/AIK	DOC
1	63			-42	-145				-165
2	50			-43		AD1			
3	40			-44		2			
4	30			-45		3			
5	20			-46		4			
6	10			-47		5			-166
7	0			-48		6			-167
8									
9									
10									
11									
12									

ICE LOG: Surface Ice Conditions or proximity to ice edge

Rosette Notes:

7,6,5,4,3,2 - Leaks when Dated

VESSEL: RV Thomas G. Thompson CRUISE TN249 PROJECT & LEG TN249 Ship's CTD filename 249xxxxy STATION NO. 11901

BEST/BSIERP Spring'10

249xxxxy

249

11901

CONSC CAST # 1515757.56N LATITUDE 16921.82W LONGITUDE 02 JUN 10 TIME (GMT) 0147-1.1 DRY BULB 09 WET BULB 09 PRESSURE 01625 SEA STATE 01625 VISIBILITY 01625 WIND DIRN. 01625 WIND SPD. 01625 CLOUD (an) 01625 TYPE 01625 WEATHER 01625 BOTTOM DEPTH 68 STA. NAME/ID 70m24

DEG MIN DEG MIN DAY MO YR HR MIN (°C) (°C) (mb) * * (deg) (kts) * * * * (m) 68 70m24

REMARKS

MAX. DEPTH = 70m

SBE 9+ FLUOR S/N SBE43-Oxy (prime) FLUOR S/N SBE43-Oxy (sec) FLUOR S/N SBE43-Oxy (sec) FLUOR S/N SEC TEMP SN FLUOR S/N SEC COND SN FLUOR S/N O2 Temp Sensor No. FLUOR S/N

Chlorophyll ~ 25 m

No.	DEPTH	Roset.	SALT	Nut.Btl	O2-Btl.No	CHL.	Frac CHL	DIC/Alk	DOC	O18	Urea	Part.	Prod	DON	Jen	Lomas	Moran	Harvey	Cairn/	Katrin	No.
1	63		455	149	198					168											1
2	50		50		401																2
3	40		51		2																3
4	30		52		3																4
5	20		53		4																5
6	10		54		5																6
7	0		55		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 - 1 meter out of water

7, 5, 4, 3 - 1 meter when vented

VESSEL RV Thomas G. Thompson		CRUISE TN249		PROJECT & LEG TN249		Ship's CTD filename BEST/BSIERP Spring'10		STATION NO. 12001	
CONSC CAST #		LATITUDE		LONGITUDE		TIME (GMT)		DRY BULB WET BULB	
DEG MIN		DEG MIN		DAY MO YR		HR MIN		PRESSURE	
152 58 02.53 N		169 40.30 W		02 JUN 10		03 28 -11.0		10	
SBE 9+		FLUOR S/N		REMARKS		MAX. DEPTH =			
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.							

N/S	DEPTH	Roset.	Hydro Team-PMEL				Jessica		Weingartner		Sambrotto			Jen	Lomas	Moran	Harvey	Cariv	Katrin	N/S
			No.	DESIRED	SALT	NUT Bl	O2-BI No	CHL	Frac CHL	DIC/ALK	DOC	O18	Urea							
1	65 m Btm			56																1
2	50			57			LD1 LC1													2
3	40			58			12													3
4	30			59			3													4
5	20			60			4													5
6	10			61			5													6
7	0			62			6													7
8																				8
9																				9
10																				10
11																				11
12																				12

ICE LOG: Surface Ice Conditions or proximity to ice edge

Rosette Notes: 3-1eaker out of water

2,4,5,6,7-1eakers LHM vented

VESSEL RV Thomas G. Thompson		CRUISE TN249		PROJECT & LEG BEST/BSIERP Spring'10		Ship's CTD filename 249xxxxx		STATION NO. 181															
CONSC CAST #		LATITUDE		LONGITUDE		TIME (GMT)		DRY BULB WET BULB		PRESSURE		SEA STATE VISIBILITY		WIND DIRN. SPD. (kts)		CLOUD (an) TYPE		WEATHER		BOTTOM DEPTH (m)		STA. NAME/ID	
1535808.86N		16955.116W		02 JUN 10		0507-1.1		10		35725		71		70m		26							
SBE 9+		FLUOR S/N		REMARKS		MAX. DEPTH =																	
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	Rosel	Hydro Team-PMEL				Jessica		Weingartner		Sanbroto			Jen	Lomas	Moran	Harvey	Carin'	Katrin	NIS	
			No.	DESIRED	notes	SALT	Nut. Br	O2-BU. No	CHL.	Frac CHL	DIC/AIK	DOC	O18								Urea
1	65			456	63	112				171						1					1
2	50			64												2					2
3	40			65												3					3
4	30			66												4					4
5	20			67												5					5
6	10			68												6					6
7	0			69												7					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 - peaks when started

VESSEL RV Thomas G. Thompson		CRUISE TN249		PROJECT & LEG BEST/BSIERP Spring'10		Ships CTD filename 249xxxxy		STATION NO. 12201	
CONSC CAST #		LATITUDE		LONGITUDE		TIME (GMT)		DRY BULB WET BULB	
DEG MIN		DEG MIN		DAY MO YR		HR MIN		PRESSURE	
1545816.96N		17005.86W		02 JUN 10		0645-11.0		10	
SBE 9+		FLUOR S/N		REMARKS		MAX. DEPTH =			
PRESS SN		SBE43-Oxy (prime)		Little to no Fluorescence					
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				Uen	Lomas	Moran	Harvey	Cariv	Katrin	Nis
			No.	DESIRIED	notes	SALT			Nut Bit	O2-Bit No	CHL	Frac CHL							
1	65m	Btm		-70							-179								1
2	50			-71															2
3	40			-72															3
4	30			-73															4
5	20			-74															5
6	10			-75															6
7	0			-76															7
8																			8
9																			9
10																			10
11																			11
12																			12

ICE LOG: Surface Ice Conditions or proximity to ice edge

Rosette Notes:

Both 1 only non leader

Rosette Notes:

VESSEL		CRUISE TN249		PROJECT & LEG		Ship's CTD filename		STATION NO.	
RV Thomas G. Thompson		TN249		BEST/BSIERP Spring10		1249xxxxy 24912401		1240	
CONSC CAST #	LATITUDE	LONGITUDE		TIME (GMT)		DRY BULB	WET BULB	PRESSURE	SEA STATE
1565837.06N	17017.01W	02JUN10	1030	-1.3	11	348	16		
SBE 9+	FLUOR SN	REMARKS		MAX. DEPTH =					
PRESS SN	SBE43-Oxy (prime)	Lessard							
PRI TEMP SN	SBE43-Oxy (sec)								
SEC TEMP SN	Transmissometer								
PRI COND SN	PAR SN								
SEC COND SN	O2 Temp Sensor No.								

N/S	DEPTH	Roset.	Hydro Team-PMEL				Jessica		Weingartner		Sambrotto		Jen	Lomas	Moran	Harvey	Cariv	Katrin	N/S
			No. DESIRED	notes	SALT	Nut Bil	O2-Bil No	CHL	Frac CHL	DIC/AIK	DOC	O18							
1	69			84						180									1
2	50			85		LD1												2	
3	40			86		LD2												3	
4	30			87		13												4	
5	20			88		4												5	
6	13																	6	
7	13																	7	
8	13																	8	
9	13																	9	
10	13																	10	
11	16			89		LD5				181								11	
12	0			90		6				182								12	

ICE LOG: Surface Ice Conditions or proximity to ice edge

Rosette Notes:

Bottle 10 all not leaving, Btl 2 drained - no rot or all sample

VESSEL RV Thomas G. Thompson				CRUISE TN249				PROJECT & LEG BEST/BSIERP Spring 10				Ship's CTD filename 249xxxxy 2 4 9 12402				STATION NO. 124											
CONSC CAST #		LATITUDE		LONGITUDE		TIME (GMT)		DRY BULB		WET BULB		PRESSURE		SEA STATE VISIBILITY		WIND DIRN. SPD.		WIND DIRN. SPD.		CLOUD (an) TYPE		WEATHER		BOTTOM DEPTH		STA. NAME/ID	
1575936.71 N		17017.09 W		02 JUN 10		1414-06.6		09		35712		7270m29															
SBE 9+		FLUOR SN		SBE43-Oxy (prime)		SBE43-Oxy (sec)		Transmissometer		PAR SN		O2 Temp Sensor No.		REMARKS		MAX. DEPTH =											
PRESS SN		SBE43-Oxy (prime)		SBE43-Oxy (sec)		Transmissometer		PAR SN		O2 Temp Sensor No.		REMARKS		MAX. DEPTH =													
PRI TEMP SN		SBE43-Oxy (prime)		SBE43-Oxy (sec)		Transmissometer		PAR SN		O2 Temp Sensor No.		REMARKS		MAX. DEPTH =													
SEC TEMP SN		SBE43-Oxy (prime)		SBE43-Oxy (sec)		Transmissometer		PAR SN		O2 Temp Sensor No.		REMARKS		MAX. DEPTH =													
PRI COND SN		SBE43-Oxy (prime)		SBE43-Oxy (sec)		Transmissometer		PAR SN		O2 Temp Sensor No.		REMARKS		MAX. DEPTH =													
SEC COND SN		SBE43-Oxy (prime)		SBE43-Oxy (sec)		Transmissometer		PAR SN		O2 Temp Sensor No.		REMARKS		MAX. DEPTH =													

No.	DEPTH	Rosel	Hydro Team-PMEL				Jessica		Weingartner		Sambrotto			Jen	Lomas	Moran	Harvey	Cariv	Katrin	No.	
			SALT	Nut Bl	O2-BI.No	CHL	Frac CHL	DIC/ALK	DOC	O18	Urea	Part.	Prod								DON
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:

Linkers: All sand bottle six

VESSEL	CRUISE	PROJECT & LEG	Ship's CTD filename	STATION NO.
RV Thomas G. Thompson	TN249	BEST/BSIERP Spring10	249xxxxy 2 4 9	12403

CONSC CAST #	LATITUDE	LONGITUDE	TIME (GMT)	DRY BULB	WET BULB	PRESSURE	SEA STATE	VISIBILITY	WIND DIRN.	WIND SPD.	CLOUD (an)	WEATHER	BOTTOM DEPTH	STA. NAME/ID
15858	37.02N	170.16.53W	02 JUN 10	1535	-0.5	.07	341	9					7270	M27
SBE 9+	FLUOR S/N	REMARKS	7200											
PRESS SN	SBE43-Oxy (prime)	MAX. DEPTH =												
PRI TEMP SN	SBE43-Oxy (sec)													
SEC TEMP SN	Transmissometer													
PRI COND SN	PAR S/N													
SEC COND SN	O2 Temp Sensor No.													

N/S	DEPTH	Rosel	Hydro Team-PMEL					Jessica			Wiegarter			Sambrotto			Jen	Lomas	Moran	Harvey	Cariv	Katrin	N/S
			DESIRED	notes	SALT	Nut Btl	O2-Btl No	CHL	Frac CHL	DIC/AIK	DOC	O18	Urea	Part.	Prod	DON							
1	45	45																16.5/1.7					1
2		42																					2
3	26	30																					3
4	17	26																9.1/-6					4
5	17	17																9.1/-5					5
6	12	17																					6
7	12	12																471/-1					7
8	8	8																					8
9	8	8																30/-3					9
10	5	5																55/-2					10
11	0	0																100/-1					11
12	0	0																					12

ICE LOG: Surface Ice Conditions or proximity to ice edge

Rosette Notes:

0.30
45, 26 17, 17, 12, 8 5 0
2 sealed before cracked
After vents cracked, 100%W all
bottled and leak

VESSEL	CRUISE TN249	PROJECT & LEG	Ship's CTD filename	STATION NO.
RV Thomas G. Thompson	TN249	BEST/BSIERP Spring 10	249xxxxy 2 4 9 12501	123

CONSC CAST #	LATITUDE	LONGITUDE	TIME (GMT)	DRY BULB	WET BULB	PRESSURE	SEA STATE	WIND DIRN.	WIND SPD.	CLOUD (an)	WEATHER	BOTTOM DEPTH	STA. NAME/ID	
15958	46.43N	17017.63W	02 JUN 10 1850	-0.4		08		290	4			7270M	30	
DEG	MIN	DEG	MIN	DAY	MO	YR	HR	MIN	(°C)	(°C)	(mb)	*	*	(m)
SBE 9+		FLUOR S/N												
PRESS SN		SBE43-Oxy (prime)												
PRI TEMP SN		SBE43-Oxy (sec)												
SEC TEMP SN		Transmissometer												
PRI COND SN		PAR S/N												
SEC COND SN		O2 Temp Sensor No.												

NIS	DEPTH	Rosel.	Hydro Team-PMEL				Jessica		Weingartner				Jen	Lomas	Moran	Harvey	Carin/	Katrin	NIS
			DESIREC	notes	SALT	Nut Btl	O2-Btl No	CHL	Frac CHL	DIC/Aik	DOC	O18							
1	67			93			LD1												1
2	50			94															2
3	40			95			2												3
4	30			96			3												4
5	20			97			4												5
6	10			98			5												6
7	0			461 99			6												7
8	0																		8
9																			9
10																			10
11																			11
12																			12

ICE LOG: Surface Ice Conditions or proximity to ice edge

Rosette Notes:

Empty bottle leaked after water cracked
• No oxygen sample taken

VESSEL	CRUISE ID	PROJECT & LEG	Ship's CTD filename	STATION NO.
R/V Thomas G. Thompson	TN249	BEST/BSERP_Spring10	249xxxxx	12601

CONSC CAST #	LATITUDE		LONGITUDE		TIME (GMT)	DRY BULB (°C)	WET BULB (°C)	PRESSURE (mb)	SEA STATE *	VISIBILITY *	WIND DIRN. (deg)	WIND SPD. (kts)	CLOUD (am) *	WEATHER *	BOTTOM DEPTH (m)	STA. NAME/ID
	DEG	MIN	DEG	MIN												
160	58	56.92 N	170	19.65 W	02 JUN 10	2026	0.3		07		179	4			70	70m31

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

NIS	DEPTH	Roset.	Hydro Team-PMEL				Jessica		Weigartner			Sanbroto			Jen	Lomas	Moran	Harvey	Carin/ Sherr	Karin	NIS
			DESIRED	notes	SALT	Nut Btl	O2-Btl.No	CHL	Frac CHL	DIC/Alk	DOC	O18	Urea	Part.							
1	65m	Btm		✓160				✓183													1
2	50			✓101			✓1D1														2
3	40			✓102			✓1D2														3
4	30			✓103			✓1D3														4
5	20			✓104			✓1D4														5
6	15			✓																	6
7	15																				7
8	10	Bad Leaky					✓105														8
9	0			✓105			✓106			✓184											9
10																					10
11																					11
12																					12

ICE LOG: Surface Ice Conditions or proximity to ice edge

Rosette Notes:

8. Leakings badly out of water, pushed out O-ring
5, 4, 3, 2 - leakers when vented

VESSEL R/V Thomas G. Thompson				CRUISE ID TN249				PROJECT & LEG TN249				Ship's CTD filename 249xxxxx				STATION NO. 128																							
CONSC CAST #				LATITUDE				LONGITUDE				TIME (GMT)				DRY BULB		WET BULB		PRESSURE		SEA STATE		VISIBILITY		WIND DIRN.		WIND SPD.		CLOUD (amt)		TYPE		WEATHER		BOTTOM DEPTH		STA. NAME/ID	
1625914.85 N				17024.68 W				02 JUN 10				02357-0.5						05		11313														68		70m33			
SEC 9+ PRESS SN PRI TEMP SN SEC TEMP SN PRI COND SN SEC COND SN				FLUOR S/N SBE43-Oxy (prime) SBE43-Oxy (sec) Transmissometer PAR S/N O2 Temp Sensor No.				REMARKS MAX. DEPTH = m																															
NIS		DEPTH		Roset.		Hydro Team-PMEL		Jessica		Weingartner		Sanbroto		Jen		Lomas		Moran		Harvey		Catin/		Katrin		NIS													
No.		DESIRED		notes		SALT		NUT.BRI		O2-BRI No		CHL.		Frac CHL.		DIC/ALK		DOC		O18		Urea		Part.		Prod		DON											
1		62m		8m				113		228		LD1						188																		1			
2		50						114																										2					
3		40						115				2																						3					
4		30						116				3																						4					
5		20						117				4																						5					
6		10						118				5						189																6					
7		D						Y324		119		6						190																7					
8																																		8					
9																																		9					
10																																		10					
11																																		11					
12																																		12					

ICE LOG: Surface Ice Conditions or proximity to ice edge

Rosette Notes:

VESSEL		RV Thomas G. Thompson		CRUISE ID TN249		PROJECT & LEG		BEST/BSERP_Spring'10		Ship's CTD filename		STATION NO.	
				TN249				249xxxxx		24912901		129	
CONSC CAST #		LATITUDE		LONGITUDE		TIME (GMT)		DRY BULB		WET BULB		PRESSURE	
1635920.03 N		17039.43 W		0119-0.5		09		10915		70		70m34	
DEG MIN		DEG MIN		DAY MO YR		HR MIN		(°C)		(°C)		(mb)	
1635920.03 N		17039.43 W		0119-0.5		09		10915		70		70m34	
SSE 9+		FLUOR S/N		SSE43-Oxy (prime)		SSE43-Oxy (sec)		Transmissometer		PAR S/N		O2 Temp Sensor No.	
PRESS SN		SSE43-Oxy (prime)		SSE43-Oxy (sec)		Transmissometer		PAR S/N		O2 Temp Sensor No.		REMARKS	
PRI TEMP SN		SSE43-Oxy (prime)		SSE43-Oxy (sec)		Transmissometer		PAR S/N		O2 Temp Sensor No.		Fluorescence max @ ~ 32m ~ 4 mg/m ³	
SEC TEMP SN		SSE43-Oxy (prime)		SSE43-Oxy (sec)		Transmissometer		PAR S/N		O2 Temp Sensor No.			
PRI COND SN		SSE43-Oxy (prime)		SSE43-Oxy (sec)		Transmissometer		PAR S/N		O2 Temp Sensor No.			
SEC COND SN		SSE43-Oxy (prime)		SSE43-Oxy (sec)		Transmissometer		PAR S/N		O2 Temp Sensor No.			
NIS		Roset.		Hydro Team-PMEL		Jessica		Weingartner		Sambrotto		Jen	
No.		DESIRED		SALT		Nut.Btl		O2-Btl.No		CHL.		Frac CHL.	
1		64m		128		121		581		191			
2		50		122		123		582		192			
3		40		124		125		583		193			
4		30		125		126		584		194			
5		20		126		127		585		195			
6		10		127		128		586		196			
7		0		128		129		587		197			
8				129		130		588		198			
9				130		131		589		199			
10				131		132		590		200			
11				132		133		591		201			
12				133		134		592		202			

ICE LOG: Surface Ice Conditions or proximity to ice edge

Rosette Notes:

7, 6, 4, 3, 2 - 1eaker when vented

Ice around less than 1% coverage

VESSEL	CRUISE ID	PROJECT & LEG	Ship's CTD filename	STATION NO.
R/V Thomas G. Thompson	TN249	BEST/BSIERP_Spring'10	249xxxxx	13001

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
1645926.20 N	17054.41 W	03 JUN 10	0248-0.9	9	9	05	*	*	(deg)	(kts)	*	*	*	72	70m35

SEC 9+	FLUOR S/N	REMARKS
PRESS SN	SBE43-Oxy (prime)	Hydro Fluorescence & 3000 & 12 mg/m ³
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.	SALT	Nut.Bt	O2-Bt/No	CHL	Frac CHL	DOC	018	Urea	Part.	Prod	DOIN	Jen	Lomas	Moran	Harvey	Carrin/	Katin	NIS
No.	DESIRED	notes														Th	Lessard	Sierr		No.
1	65			-127-178																1
2	50			-128		-581-5A1														2
3	40			-129		21	2													3
4	30			-130		31	3													4
5	30																			5
6	20			-131		41	4													6
7	10			-132		51	5													7
8	0			-133		61	6													8
9																				9
10																				10
11																				11
12																				12

ICE LOG: Surface Ice Conditions or proximity to ice edge

Rosette Notes:

2, 6, 8-10akers out of center
 7, 4, 3, 2-10akers when started
 Thick pieces of ice around, less than 5% coverage
 1-3m up to 30m long

VESSEL R/V Thomas G. Thompson		CRUISE ID TN249		PROJECT & LEG BEST/BSERP_Spring10		Ship's CTD filename 249xxxxx		STATION NO. 131																					
CONSC CAST #		LATITUDE		LONGITUDE		TIME (GMT)		DRY BULB		WET BULB		PRESSURE		SEA STATE		WIND DIRN.		WIND SPD.		CLOUD (am)		TYPE		WEATHER		BOTTOM DEPTH		STA. NAME/ID	
16559		34.68 N		17107.01 W		03 JUN 10		0440-0.5				04		*		(deg)		(kts)		*		*		73		70m36N			
SBE 9+		FLUOR S/N		SBE43-Oxy (prime)		SBE43-Oxy (sec)		Transmissometer		PAR S/N		O2 Temp Sensor No.		REMARKS		MAX DEPTH =													
PRESS SN		SBE43-Oxy (prime)		SBE43-Oxy (sec)		Transmissometer		PAR S/N						Fluorescence max 18-28 m ~ 10 mg/m ³															
PRI TEMP SN														11 km to the west of 70m36 due to heavy ice															
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. Btl		O2-Btl/No		CHL		Frac CHL		DIC/ALK		DOC		O18		Urea		Part.		Prod		DON	
1		65m		B4m		1326		134												194									
2		50						135				5B1																	
3		40						136				2																	
4		30						137				3																	
5		20						138				4																	
6		10						139				5																	
7		0						140				6																	
8																													
9																													
10																													
11																													
12																													

ICE LOG: Surface Ice Conditions or proximity to ice edge

Rosette Notes:

Thick pieces of ice (1-3m) up to 30m long. Less than 10% coverage.
24, 3, 2, - 1 eaters when vented

VESSEL R/V Thomas G. Thompson		CRUISE ID TN249		PROJECT & LEG BEST/BIERP_Spring'10		Ship's CTD filename 249xxxxx		STATION NO. 132	
CONSC CAST #		LATITUDE		LONGITUDE		TIME (GMT)		DRY BULB	
DEG		MIN		DEG		MIN		WET BULB	
16659411.82 N		17121.65 W		03 JUN 10		0657-0.4			
SEC 9+		FLUOR S/N		SBE43-Oxy (prime)		SBE43-Oxy (sec)		Transmissometer	
PRESS SN		PAR S/N		PAR S/N		PAR S/N		PAR S/N	
SEC TEMP SN		SEC COND SN		O2 Temp Sensor No.		O2 Temp Sensor No.		O2 Temp Sensor No.	
SEC COND SN		O2 Temp Sensor No.		O2 Temp Sensor No.		O2 Temp Sensor No.		O2 Temp Sensor No.	

REMARKS
 Sampled about 12 km to the west of
 70m 37 due to ice

No.	DEPTH	Roset.	Hydro Team-PMEL				Jessica				Weingartner				Sambrotto				Jen	Lomas	Moran	Harvey	Carrin/Sherr	Katrin	NIS
			DESIGD	notes	SALT	Nut.Btl	O2-Btl No	CHL	Frac CHL	DK/Alk	DOC	O18	Urea	Part.	Prod	DCN									
1	67m	Btm																							1
2	50																								2
3	50																								3
4	40																								4
5	30																								5
6	20																								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:
 Large pieces of ice, 1-3 m thick, up to 30m long less than 10% coverage
 8,7,6,4,2-10meters when vented

VESSEL		CRUISE ID TN249		PROJECT & LEG		Ship's CTD filename		STATION NO.	
R/V Thomas G. Thompson		TN249		BEST/BSIERP_Spring10		249xxxxx		24913301	
CONSC CAST #		LATITUDE		LONGITUDE		TIME (GMT)		DRY BULB	
1675946.62 N		17126.98 W		03 JUN 10		0835-10.9		.05	
DEG		MIN		DEG		MIN		WET BULB	
1675946.62		N		17126.98		W		03 JUN 10	
SEC 9+		FLUOR S/N		SSE43-Oxy (prime)		SSE43-Oxy (sec)		Transmissometer	
PRESS SN		PAR S/N		O2 Temp Sensor No.		REMARKS		MAX. DEPTH =	
PRI TEMP SN		SEC TEMP SN		PRI COND SN		SEC COND SN		Nis	
Nis		Roset.		Hydro Team-PMEL		Jessica		Weingartner	
No.		DESIRED		notes		SALT		Nut Bt	
1		69		148		2		2	
2		50		149		2		2	
3		40		150		2		2	
4		30		151		3		3	
5		20		152		4		4	
6		10		153		5		5	
7		0		1328154		6		6	
8									
9									
10									
11									
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		CAUSE ID TN249		PROJECT & LEG		BEST/BIERP_Spring'10		Ship's CTD filename		249xxxxx		2 4 9		13501		STATION NO.		135																	
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							
1695950.72N		17205.74W		03 JUN 10		1330-0.5		04		12110		7570M40																									
DEG		MIN		DEG		MIN		DAY		MO		YR		HR		MIN		(°C)		(°C)		(mb)		*		*		(deg)		(kts)		*		*		(m)	
SSE 9+				FLUOR S/N																																	
PRESS SN				SBE43-Oxy (prime)																																	
PRI TEMP SN				SBE43-Oxy (sec)																																	
SEC TEMP SN				Transmissometer																																	
PRI COND SN				PAR S/N																																	
SEC COND SN				O2 Temp Sensor No.																																	
Nis		DEPTH		Roset.		Hydro Team-PMEL		Jessica		Weingartner		Sambrotto		Jen		Lomas		Moran		Harvey		Catin/Sherr		Karin		Nis											
No.		DESIRED		notes		SALT		Nut.Btl		O2-Std.No		CHL.		Frac CHL.		DKC/Aik		DOC		018		Urea		Part.		Prod		DON									
1		71				Y329163						5131				1																					
2		50				164						2																									
3		40				165						3																									
4		30				166						3																									
5		30																																			
6		30																																			
7		20				167						4																									
8		10				169						5																									
9		10																																			
10		0				169						6																									
11		0																																			
12																																					

ICE LOG: Surface Ice Conditions or proximity to ice edge

Rosette Notes:

no ice

Chl pack right @ 30w

VESSEL		R/V Thomas G. Thompson		CRUISE ID TN249		PROJECT & LEG		BEST/BIERP_Spring'10		Ship's CTD filename		249xxxxx		2 4 9 13601		STATION NO.		136													
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	
170		54.71 N		72.26.11 W		03 JUN 10		1500		-0.2		.04		125		13		74		70		M41									
SBE 9+		FLUOR S/N		REMARKS		MAX. DEPTH =																									
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	Wellgartner	Sanbroto	Jen	Lomas	Moran	Harvey	Carin/	Katrin	NIS		
No.	DESIRED	notes	SALT	Nut.Btl	OZ-Btl No	CHL	Frac CHL	DIC/AIK	DOC	O18	Urea	Part.	Prod	DON	No.
1	70			170						200					1
2	50			171		SB1	SA1								2
3	40			172		2	2								3
4	30			173		3	3								4
5	20			174		4	4								5
6	10			175		5	5			207					6
7	0			176		6	6			208					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:

only Bottle 8 not working

VESSEL R/V Thomas G. Thompson				CRUISE ID TN249				PROJECT & LEG TN249				Ship's CTD filename 249xxxxy				STATION NO. 137																																																							
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																																	
171				5958.66 N				17244.82 W				03 JUN 10				1623-0.2				03		*		*		(deg)		(kts)		*		*		(m)		6870m42																																			
DEG				MIN				DEG				MIN				DAY		MO		YR		HR		MIN		(°C)		(°C)		(mb)																																									
SBE 9+				FLUOR S/N				SBE43-Oxy (prime)				SBE43-Oxy (sec)				Transmissometer				PAR S/N				02 Temp Sensor No.																																															
PRESS SN				SBE43-Oxy (prime)				SBE43-Oxy (sec)				Transmissometer				PAR S/N				02 Temp Sensor No.																																																			
PRI TEMP SN				SBE43-Oxy (prime)				SBE43-Oxy (sec)				Transmissometer				PAR S/N				02 Temp Sensor No.																																																			
SEC TEMP SN				SBE43-Oxy (prime)				SBE43-Oxy (sec)				Transmissometer				PAR S/N				02 Temp Sensor No.																																																			
PRI COND SN				SBE43-Oxy (prime)				SBE43-Oxy (sec)				Transmissometer				PAR S/N				02 Temp Sensor No.																																																			
SEC COND SN				SBE43-Oxy (prime)				SBE43-Oxy (sec)				Transmissometer				PAR S/N				02 Temp Sensor No.																																																			
NIS				Roset.				Hydro Team-PMEL				Jessica				Wingartner				Sambrotto				Jen				Lomas				Moran				Harvey				Cairn/				Katrin																											
No.				DESIRED				notes				SALT				Nut Br				O2-Btl No				CHL				Frac CHL				DIC/ALK				DOC				O18				Urea				Part.				Prod				DON															
1				63												177																																																							
2				50												178				581																																																			
3				40												179				2																																																			
4				30												180				3																																																			
5				23												181																																																							
6				20												182				4																																																			
7				10												183				5																																																			
8				0												1830				184				088				6																																											
9																																																																							
10																																																																							
11																																																																							
12																																																																							

ICE LOG: Surface Ice Conditions or proximity to ice edge

no ice

Rosette Notes:

8x5 not leaking

Chl Max @ 23

REMARKS

MAX DEPTH = m

VESSEL		R/V Thomas G. Thompson		CRUISE ID TN249		PROJECT & LEG		BEST/BSIERP_Spring'10		Ship's CTD filename		249xxxxx		2 4 9		13801		STATION NO.		138											
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	
1		726002.20N		17300.51W		03 JUN 10		1841		d.0		.03		03		127		16										687		DM43	
SBE 9+		FLUOR S/N		SBE43-Oxy (prime)		SBE43-Oxy (sec)		Transmissometer		PAR S/N		02 Temp Sensor No.		REMARKS		MAX DEPTH =		m													
PRESS SN		PRI TEMP SN		SEC TEMP SN		PRI COND SN		SEC COND SN																							
Nis		DEPTH		Roset.		Hydro Team-PMEL		Jessica		Wingartner		Sambrotto		Jen		Lomas		Moran		Harvey		Carlinv		Katrin		Nis					
No.		DESIRED		notes		SALT		Nut Brl		O2-Btl No		CHL		Frac CHL		DIC/Alk		DOC		O18		Urea		Part		Prod		DON			
1		63						185								✓		✓		212											
2		50						186		5B1																					
3		40						1		2		3																			
4		30						2		3																					
5		26																													
6		26																													
7		20						3		4																					
8		10						4		5																					
9		0						5		6						✓		✓		214											
10																															
11																															
12																															

ICE LOG: Surface Ice Conditions or proximity to ice edge

Rosette Notes:

8 only non-leader

VESSEL R/V Thomas G. Thompson		CRUISE ID TN249		PROJECT & LEG BEST/BSIERP_Spring '10		Ship's CTD filename 249xxxxxy		STATION NO. 139																							
CONSC CAST #		LATITUDE		LONGITUDE		TIME (GMT)		DRY BULB		WET BULB		PRESSURE		SEA STATE		VISIBILITY		WIND DIRN.		WIND SPD.		CLOUD (amt)		TYPE		WEATHER		BOTTOM DEPTH		STA. NAME/ID	
173		6006.10 N		17319.00 W		03 JUN 10		2012-06		03		12819		72		70M44															
SBE 9+		FLUOR S/N		SBE43-Oxy (prime)		SBE43-Oxy (sec)		Transmissometer		PAR S/N		02 Temp Sensor No.		REMARKS		MAX DEPTH =															
PRESS SN		SBE43-Oxy (prime)		SBE43-Oxy (sec)		Transmissometer		PAR S/N		02 Temp Sensor No.		REMARKS		MAX DEPTH =																	
PRI TEMP SN		SBE43-Oxy (prime)		SBE43-Oxy (sec)		Transmissometer		PAR S/N		02 Temp Sensor No.		REMARKS		MAX DEPTH =																	
SEC TEMP SN		SBE43-Oxy (prime)		SBE43-Oxy (sec)		Transmissometer		PAR S/N		02 Temp Sensor No.		REMARKS		MAX DEPTH =																	
PRI COND SN		SBE43-Oxy (prime)		SBE43-Oxy (sec)		Transmissometer		PAR S/N		02 Temp Sensor No.		REMARKS		MAX DEPTH =																	
SEC COND SN		SBE43-Oxy (prime)		SBE43-Oxy (sec)		Transmissometer		PAR S/N		02 Temp Sensor No.		REMARKS		MAX DEPTH =																	

NIS	DEPTH	Roset.	Hydro Team-PMEL				Jessica		Weingartner		Sambrotto			Jen	Lomas	Moran	Harvey	Carin/	Karin	NIS
			DES	notes	SALT	Nut. Btl	O2-Btl No	CHL	Frac CHL	DK/Alk	DOC	O18	Urea							
1	66m	Rtm	Y332	6																1
2	50			7			58/541													2
3	40			8			12	2												3
4	30			9			3	3												4
5	20			10			4	4												5
6	10			11			5	5												6
7	0			12			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:

6, 2 - 1 eaters out of the water

All others looking when vented

Fluorescence max between 20 - 30 m @ +20 mg/m³

VESSEL		CRUISE ID TN249		PROJECT & LEG		Ship's CTD filename		STATION NO.	
R/V Thomas G. Thompson		TN249		BEST/BSERP_Spring'10		249xxxxx		14001	
CONSC CAST #		LATITUDE		LONGITUDE		TIME (GMT)		DRY BULB	
1 746015.44N		17331.10W		03 JUN 10		2146-0.5		03	
DEG MIN		DEG MIN		DAY MO YR		HR MIN		°C °C	
FLUOR S/N		SBE43-Oxy (prime)		SBE43-Oxy (sec)		Transmissometer		PAR S/N	
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	
NIS		DEPTH		Roset.		SALT		Nut Br	
No.		DESIRIED		notes		CHL		Frac CHL	
1		64		Btm		13		169	
2		50				14		581	
3		40				15		2	
4		30				16		3	
5		20				17		4	
6		10				18		5	
7		0				19		6	
8									
9									
10									
11									
12									
NIS		DEPTH		Roset.		SALT		Nut Br	
No.		DESIRIED		notes		CHL		Frac CHL	
1		64		Btm		13		169	
2		50				14		581	
3		40				15		2	
4		30				16		3	
5		20				17		4	
6		10				18		5	
7		0				19		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		249xxxxx		2 4 9 1410		STATION NO.		141													
CONC CAST #		LATITUDE		LONGITUDE		TIME (GMT)		DRY BULB		WET BULB		PRESSURE		SEA STATE		VISIBILITY		WIND DIRN.		WIND SPD.		CLOUD (amt)		TYPE		WEATHER		BOTTOM DEPTH		STA. NAME/ID	
1		756025.53 N		17335.60 W		03 JUN 10		2333-0.4		.02		02		13221		65		70M46													
SBE 9+		FLUOR S/N		SBE43-Oxy (prime)		SBE43-Oxy (sec)		Transmissometer		PAR S/N		O2 Temp Sensor No.		REMARKS		MAX. DEPTH =		m													
PRESS SN		SBE43-Oxy (prime)		SBE43-Oxy (sec)		Transmissometer		PAR S/N		O2 Temp Sensor No.		REMARKS		MAX. DEPTH =		m															
PRI TEMP SN		SBE43-Oxy (prime)		SBE43-Oxy (sec)		Transmissometer		PAR S/N		O2 Temp Sensor No.		REMARKS		MAX. DEPTH =		m															
SEC TEMP SN		SBE43-Oxy (prime)		SBE43-Oxy (sec)		Transmissometer		PAR S/N		O2 Temp Sensor No.		REMARKS		MAX. DEPTH =		m															
PRI COND SN		SBE43-Oxy (prime)		SBE43-Oxy (sec)		Transmissometer		PAR S/N		O2 Temp Sensor No.		REMARKS		MAX. DEPTH =		m															
SEC COND SN		SBE43-Oxy (prime)		SBE43-Oxy (sec)		Transmissometer		PAR S/N		O2 Temp Sensor No.		REMARKS		MAX. DEPTH =		m															

ICE LOG: Surface Ice Conditions or proximity to ice edge

Rosette Notes:

2 - leaker, out of water

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

Note & Y433 - must be - Mary Kachul lotter

VESSEL R/V Thomas G. Thompson		CRUISE ID TN249		PROJECT & LEG BEST/BSIERP_Spring'10		Ship's CTD filename 249xxxxx		STATION NO. 142																							
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	
1	76	60	34.35	N	173	38.35	W	04	JUN	10	02	23	0.2			03			130	21							68	70m	47		
SBE 9+		FLUOR S/N		SBE43-Oxy (prime)		SBE43-Oxy (sec)		Transmissometer		PAR S/N		02 Temp Sensor No.		REMARKS																	
PRESS SN		SBE43-Oxy (prime)		SBE43-Oxy (sec)		Transmissometer		PAR S/N		02 Temp Sensor No.		MAX. DEPTH = m																			
PRI TEMP SN		SBE43-Oxy (prime)		SBE43-Oxy (sec)		Transmissometer		PAR S/N		02 Temp Sensor No.																					
SEC TEMP SN		SBE43-Oxy (prime)		SBE43-Oxy (sec)		Transmissometer		PAR S/N		02 Temp Sensor No.																					
PRI COND SN		SBE43-Oxy (prime)		SBE43-Oxy (sec)		Transmissometer		PAR S/N		02 Temp Sensor No.																					
SEC COND SN		SBE43-Oxy (prime)		SBE43-Oxy (sec)		Transmissometer		PAR S/N		02 Temp Sensor No.																					

NIS	DEPTH	Roset.	Hydro Team-PMEL				Jessica				Wingartner				Sambrotto				Jen	Lomas	Moran	Harvey	Carm/	Katrn	NIS
			No.	DESIRED	notes	SALT	Nut.Bd	O2-Btl.No	CHL	Frac CHL	DIC/Alk	DOC	018	Urea	Part.	Prod	DON								
1	63	Btm		127	187						1221														1
2	50			128			SB1	SA1																	2
3	40			129			2																		3
4	30			130			3																		4
5	20			131			4																		5
6	10			132			5				1222														6
7	0			133			6				1223														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/BIERP_Spring'10		Ship's CTD filename		249xxxxx		2 4 9		STATION NO. 143	
CONSC CAST #		LATITUDE		LONGITUDE		TIME (GMT)		DRY BULB		WET BULB		PRESSURE		SEA STATE		VISIBILITY	
1 7760		44.34 N		17338.91 W		04 JUN 10		0356		0.0		03		1322		72	
DEG		MIN		DEG		MIN		DAY		MO		YR		HR		MIN	
SSE 9+		FLUOR S/N		SBE43-Oxy (prime)		SBE43-Oxy (sec)		Transmissometer		PAR S/N		O2 Temp Sensor No.		REMARKS		MAX DEPTH =	
PRESS SN		SBE43 SN		SBE43-Oxy (sec)		Transmissometer		PAR S/N		O2 Temp Sensor No.		REMARKS		MAX DEPTH =		m	
SEC TEMP SN		SEC COND SN		SEC COND SN		SEC COND SN		SEC COND SN		SEC COND SN		SEC COND SN		SEC COND SN		SEC COND SN	
SEC COND SN		SEC COND SN		SEC COND SN		SEC COND SN		SEC COND SN		SEC COND SN		SEC COND SN		SEC COND SN		SEC COND SN	
NIS		DEPTH		Roset.		Hydro Team-PMEL		Jessica		Weingartner		Sambrotto		Jen		Lomas	
No.		DESCRIBED		notes		SALT		Nut.Brd		O2-Brd.No		CHL		Frac CHL		DIC/AIK	
1		65m		Btm		4334		34		35		581		224		224	
2		50															
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

Fluorescence May 18-22m

70m 48
20m
70m 48
10m

VESSEL		R/V Thomas G. Thompson		CRUISE ID TN249		PROJECT & LEG		BEST/BSIERP_Spring'10		Ship's CTD filename		249xxxxx		2 4 9 14401		STATION NO.		144																			
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							
178		6054.39 N		17349.67 W		04 JUN 10		0539		0.2		0.2		02		12924		81		70m		49															
DEG		MIN		DEG		MIN		DAY		MO		YR		HR		MIN		(°C)		(°C)		(mb)		*		*		(deg)		(kts)		*		*		(m)	
SBE 9+				FLUOR S/N																																	
PRESS SN				SBE43-Oxy (prime)																																	
PRI TEMP SN				SBE43-Oxy (sec)																																	
SEC TEMP SN				Transmissometer																																	
PRI COND SN				PAR S/N																																	
SEC COND SN				02 Temp Sensor No.																																	

ICE LOG: Surface Ice Conditions or proximity to ice edge

Rosette Notes:

7,2 - 1eakers out of water
3,4 - 1eakers when vented

VESSEL		R/V Thomas G. Thompson		CRUISE ID TN249		PROJECT & LEG		BEST/BSIERP_Spring'10		Ship's CTD filename		249xxxxx		2 4 9 14501		STATION NO. 145	
CONSC		LATITUDE		LONGITUDE		TIME (GMT)		DRY BULB		WET BULB		PRESSURE		SEA STATE		VISIBILITY	
CAST #		DEG MIN		DEG MIN		DAY MO YR		HR MIN		('C)		('C)		(mb)		* *	
1		79 61 03.99 N		173 49.65 W		04 JUN 10		06 59 + 0.2				0.2				12 23	
SBE 9+		FLUOR S/N		SBE43-Oxy (prime)		SBE43-Oxy (sec)		Transducer		PAR S/N		O2 Temp Sensor No.		REMARKS			
PRESS SN		SBE43-Oxy (prime)		SBE43-Oxy (sec)		Transducer		PAR S/N		O2 Temp Sensor No.		Fluorescence max @ 30 & 36 m					
PRI TEMP SN		SBE43-Oxy (prime)		SBE43-Oxy (sec)		Transducer		PAR S/N		O2 Temp Sensor No.		Dual temp sensors diverged on upcast slightly					
SEC TEMP SN		SBE43-Oxy (prime)		SBE43-Oxy (sec)		Transducer		PAR S/N		O2 Temp Sensor No.							
PRI COND SN		SBE43-Oxy (prime)		SBE43-Oxy (sec)		Transducer		PAR S/N		O2 Temp Sensor No.							
SEC COND SN		SBE43-Oxy (prime)		SBE43-Oxy (sec)		Transducer		PAR S/N		O2 Temp Sensor No.							
NIS		Roset.		Hydro Team-PMEL		Jessica		Wiegartner		Sambrotto		Jen		Lomas		Moran	
DEPTH		notes		SALT		Nut:Btl		O2-Btl:No		CHL		Frac CHL		DIC/Alk		DOC	
No.		DESIRED		notes		SALT		Nut:Btl		O2-Btl:No		CHL		Frac CHL		DIC/Alk	
1		70 Btm		48 163		49		SB1-5A1									
2		50		49		50		2		3		4		5		6	
3		40		50		51		2		3		4		5		6	
4		30		51		52		2		3		4		5		6	
5		20		52		53		2		3		4		5		6	
6		10		53		54		2		3		4		5		6	
7		0		54		55		2		3		4		5		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/BIERP_Spring'10		Ship's CTD filename		249xxxxx		2 4 9		14601		STATION NO.		146											
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	
1		806115.00N		17344.48W		04 JUN 10		0828		0.3		.1		03		127		25										7570m		51	
SBE 9+		FLUOR S/N		SBE43-Oxy (prime)		SBE43-Oxy (sec)		Transmissometer		PAR S/N		O2 Temp Sensor No.		REMARKS		MAX DEPTH =		m													
PRESS SN		SBE43-Oxy (prime)		SBE43-Oxy (sec)		Transmissometer		PAR S/N		O2 Temp Sensor No.		REMARKS		MAX DEPTH =		m															
PRI TEMP SN		SBE43-Oxy (prime)		SBE43-Oxy (sec)		Transmissometer		PAR S/N		O2 Temp Sensor No.		REMARKS		MAX DEPTH =		m															
SEC TEMP SN		SBE43-Oxy (prime)		SBE43-Oxy (sec)		Transmissometer		PAR S/N		O2 Temp Sensor No.		REMARKS		MAX DEPTH =		m															
PRI COND SN		SBE43-Oxy (prime)		SBE43-Oxy (sec)		Transmissometer		PAR S/N		O2 Temp Sensor No.		REMARKS		MAX DEPTH =		m															
SEC COND SN		SBE43-Oxy (prime)		SBE43-Oxy (sec)		Transmissometer		PAR S/N		O2 Temp Sensor No.		REMARKS		MAX DEPTH =		m															
NIS		Roset.		Hydro Team-PMEL		Jessica		Weingartner		Sambrotto		Jen		Lomas		Moran		Harvey		Carin/		Karin		NIS							
No.		DESIRED		notes		SALT		Nut.Btl		O2-Btl.No		CHL		Frac CHL		DIC/Alk		DOC		O18		Urea		Part.		Prod		DON			
1		68						55		069										230											
2		50						56				581																			
3		40						57				2																			
4		30						58				3																			
5		20						59				4																			
6		10						60				5								231											
7		0						61				6								232											
8																															
9																															
10																															
11																															
12																															

ICE LOG: Surface Ice Conditions or proximity to ice edge

no ice

Rosette Notes:

only bottle 1 not floating

VESSEL R/V Thomas G. Thompson				CRUISE ID TN249				PROJECT & LEG BEST/BSIERP_Spring'10				Ship's CTD filename 249xxxxx				STATION NO. 147																	
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			
181		61 24.72 N		173 44.13 W		04 JUN 10		1000		0.5		03		*		*		133		25		*		*				7670ms		2			
SEC 9+		FLUOR S/N		SBE43-Oxy (prime)		SBE43-Oxy (sec)		Transmissometer		PAR S/N		02 Temp Sensor No.		REMARKS		MAX DEPTH =																	
PRESS SN		SBE43-Oxy (prime)		SBE43-Oxy (sec)		Transmissometer		PAR S/N		02 Temp Sensor No.		REMARKS		MAX DEPTH =																			
PRI TEMP SN		SBE43-Oxy (prime)		SBE43-Oxy (sec)		Transmissometer		PAR S/N		02 Temp Sensor No.		REMARKS		MAX DEPTH =																			
SEC TEMP SN		SBE43-Oxy (prime)		SBE43-Oxy (sec)		Transmissometer		PAR S/N		02 Temp Sensor No.		REMARKS		MAX DEPTH =																			
PRI COND SN		SBE43-Oxy (prime)		SBE43-Oxy (sec)		Transmissometer		PAR S/N		02 Temp Sensor No.		REMARKS		MAX DEPTH =																			
SEC COND SN		SBE43-Oxy (prime)		SBE43-Oxy (sec)		Transmissometer		PAR S/N		02 Temp Sensor No.		REMARKS		MAX DEPTH =																			
NIS		Roset.		Hydro Team-PMEL		Jessica		Weingartner		Sambrotto		Jen		Lomas		Moran		Harvey		Carin/		Karin		NIS									
No.		DESIGNED		SALT		Nut. Btl		O2-Btl. No		CHL		Frac CHL		DK/ALK		DOC		O18		Urea		Part.		Prod		DON							
1		70		1337		62				SB1				1		233																	
2		50				63				2				2																			
3		40				64				3				3																			
4		30				65				4				4																			
5		20				66				5				5																			
6		10				67				6				6																			
7		0				1338				6				6																			
8																																	
9																																	
10																																	
11																																	
12																																	

ICE LOG: Surface Ice Conditions or proximity to ice edge

Rosette Notes:

125 not drifting

VESSEL				CRUISE ID TN249				PROJECT & LEG				Ship's CTD filename				STATION NO.															
R/V Thomas G. Thompson				TN249				BEST/BSIERP_Spring'10				249xxxxx				147															
CONSC CAST #		LATITUDE		LONGITUDE		TIME (GMT)		DRY BULB		WET BULB		PRESSURE		SEA STATE		WIND DIRN.		WIND SPD.		CLOUD (am)		TYPE		WEATHER		BOTTOM DEPTH		STA. NAME/ID			
1		82°12'4.77"N		173°43'62"W		04 JUN 10		105000.4		03		12625		75		70M		52													
SEC 9+		FLUOR S/N		SBE3-Oxy (prime)		SBE3-Oxy (sec)		Transmissometer		PAR S/N		O2 Temp Sensor No.		REMARKS		MAX. DEPTH =		m													
PRESS SN		SBE3-Oxy (prime)		SBE3-Oxy (sec)		Transmissometer		PAR S/N		O2 Temp Sensor No.		REMARKS		MAX. DEPTH =		m															
PRI TEMP SN		SBE3-Oxy (prime)		SBE3-Oxy (sec)		Transmissometer		PAR S/N		O2 Temp Sensor No.		REMARKS		MAX. DEPTH =		m															
SEC TEMP SN		SBE3-Oxy (prime)		SBE3-Oxy (sec)		Transmissometer		PAR S/N		O2 Temp Sensor No.		REMARKS		MAX. DEPTH =		m															
PRI COND SN		SBE3-Oxy (prime)		SBE3-Oxy (sec)		Transmissometer		PAR S/N		O2 Temp Sensor No.		REMARKS		MAX. DEPTH =		m															
SEC COND SN		SBE3-Oxy (prime)		SBE3-Oxy (sec)		Transmissometer		PAR S/N		O2 Temp Sensor No.		REMARKS		MAX. DEPTH =		m															
NIS		Roset.		Hydro Team-PMEL		Jessica		Weingartner		Sambrotto		Jen		Lomas		Moran		Harvey		Carin/		Katrin		NIS							
No.		DESIRED		notes		SALT		Nut Br		O2-Btl.No		CHL		Frac CHL		DIC/ALK		DOC		018		Urea		Part.		Prod		DON			
1		37																													
2		28																													
3		28																													
4		28																													
5		28																													
6		28																													
7		10																													
8																															
9																															
10																															
11																															
12																															

ICE LOG: Surface Ice Conditions or proximity to ice edge

no ice

Rosette Notes:

1 d 7 not leaking

VESSEL R/V Thomas G. Thompson				CRUISE ID TN249				PROJECT & LEG BEST/BSIERP_Spring '10				Ship's CTD filename 249xxxxx				STATION NO. 147																	
CONSC CAST #		LATITUDE		LONGITUDE		TIME (GMT)		DRY BULB		WET BULB		PRESSURE		SEA STATE		VISIBILITY		WIND DIRN.		WIND SPD.		CLOUD (amt)		TYPE		WEATHER		BOTTOM DEPTH		STA. NAME/ID			
183		61.24.16		N 173.44.10		W 04 JUN 10		1422		0.8		.		04		141		20										7570M5a					
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		Carlin/		Karin		NIS							
No.		DESIGNED		notes		SALT		Nut. Btl		O2-Btl No		CHL		Frac CHL		DIC/Alk		DOC		O18		Urea		Part.		Prod		DON					
1		25						69																									
2		25																															
3		25																															
4		25																															
5		25																															
6		25																															
7		25																															
8		25																															
9		25																															
10		25																															
11		25																															
12		25																															

ICE LOG: Surface Ice Conditions or proximity to ice edge

Rosette Notes:

Profile 1 only bottle not working

no ice

2009

VESSEL		R/V Thomas G. Thompson		CRUISE ID TN249		PROJECT & LEG		BEST/BSIERP_Spring'10		Ship's CTD filename		249xxxxx		249		14704		STATION NO.		147																			
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)			
184		61		24		17		344		17		W		04		JUN		10		15		30		1.0				04		14		216				7570		M52	
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		Carin/		Karin		NIS													
No		DESIRED		notes		SALT		Nut.Btl		O2-Btl.No		CHL.		Frac CHL.		DIC/Alk		DOC		018		Urea		Part.		Prod		DON											
1		44																																					
2		44																																					
3		33																																					
4		33																																					
5		26																																					
6		24																																					
7		24																																					
8		15																																					
9		8																																					
10		4																																					
11		0																																					
12		6																																					

ICE LOG: Surface Ice Conditions or proximity to ice edge

no ice

Rosette Notes:

1.3, 8.11

not backing

Proc

VESSEL R/V Thomas G. Thompson		CRUISE ID TN249		PROJECT & LEG BEST/BSIERP_Spring'10		Ship's CTD filename 249xxxxx		STATION NO. 148																							
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	
1856133.58 N		17342.75 W		04 JUN 10		1857		11.1		.		05		*		142		17		*		*		*		7370		MS3			
SBE 9+		FLUOR S/N		SBE43-Oxy (prime)		SBE43-Oxy (sec)		Transmissometer		PAR S/N		O2 Temp Sensor No.		REMARKS		MAX. DEPTH =		m													
PRESS SN		SBE43-Oxy (prime)		SBE43-Oxy (sec)		Transmissometer		PAR S/N		O2 Temp Sensor No.		REMARKS		MAX. DEPTH =		m															
PRI TEMP SN		SBE43-Oxy (prime)		SBE43-Oxy (sec)		Transmissometer		PAR S/N		O2 Temp Sensor No.		REMARKS		MAX. DEPTH =		m															
SEC TEMP SN		SBE43-Oxy (prime)		SBE43-Oxy (sec)		Transmissometer		PAR S/N		O2 Temp Sensor No.		REMARKS		MAX. DEPTH =		m															
PRI COND SN		SBE43-Oxy (prime)		SBE43-Oxy (sec)		Transmissometer		PAR S/N		O2 Temp Sensor No.		REMARKS		MAX. DEPTH =		m															
SEC COND SN		SBE43-Oxy (prime)		SBE43-Oxy (sec)		Transmissometer		PAR S/N		O2 Temp Sensor No.		REMARKS		MAX. DEPTH =		m															
NIS		Roset.		Hydro Team-PMEL		Jessica		Waingarner		Sambrotto		Jen		Lomas		Moran		Harvey		Carin/		Karin		NIS							
No.		DESIRED		notes		SALT		Nut. Bri		O2-Bri/No		CHL.		Frac CHL.		DIC/ALK		DOC		O18		Urea		Part.		Prod		DON			
1		69						70												236											
2		50						71				SBI SA 1																			
3		40						72				2		2																	
4		30						73				3		3																	
5		20						74				4		4																	
6		10						75				5		5						237											
7		0						76				6		6						238											
8																															
9																															
10																															
11																															
12																															

ICE LOG: Surface Ice Conditions or proximity to ice edge *no ice*

Rosette Notes:

all bottles leaking

VESSEL		CRUISE ID TN249		PROJECT & LEG		Ship's CTD filename		STATION NO.	
R/V Thomas G. Thompson		TN249		BEST/BSIERP_Spring'10		249xxxxx		149	
CONSC CAST #		LATITUDE		LONGITUDE		TIME (GMT)		DRY BULB	
1866143.63 N		17351.35 W		04 JUN 10		2033		1.3	
DEG MIN		DEG MIN		DAY MO YR		HR MIN		(°C)	
SEC 9+		FLUOR S/N		SBE43-Oxy (prime)		SBE43-Oxy (sec)		Transmissometer	
PRESS SN		PAR S/N		O2 Temp Sensor No.		REMARKS		MAX. DEPTH =	
PRI TEMP SN									
SEC TEMP SN									
PRI COND SN									
SEC COND SN									
NIS		Roset.		Hydro Team-PMEL		Jessica		Weingartner	
No.		DESIRED		notes		SALT		Nut Br	
1		67m		84m		-77		-216	
2		50				-78		-581	
3		40				-79		-2	
4		30				-80		-3	
5		28							
6		28							
7		20				-81		-4	
8		10				-82		-5	
9		0				-83		-6	
10									
11									
12									
NIS		Roset.		Hydro Team-PMEL		Jessica		Weingartner	
No.		DESIRED		notes		SALT		Nut Br	
1		67m		84m		-77		-216	
2		50				-78		-581	
3		40				-79		-2	
4		30				-80		-3	
5		28							
6		28							
7		20				-81		-4	
8		10				-82		-5	
9		0				-83		-6	
10									
11									
12									

ICE LOG: Surface Ice Conditions or proximity to ice edge

Rosette Notes:

2.9 - 1-meter data for water

3,4,7-1-meter water

0.5m

VESSEL		CRUISE ID TN249		PROJECT & LEG		Ship's CTD filename		STATION NO.	
RV Thomas G. Thompson		TN249		BEST/BSIERP_Spring'10		249xxxxx		150	
CONSC CAST #		LATITUDE		LONGITUDE		TIME (GMT)		DRY BULB	
1876151.76N		17406.90W		04 JUN 10		2204		1.5	
DEG		MIN		DEG		MIN		(°C)	
WET BULB		PRESSURE		SEA STATE		VISIBILITY		WIND DIRN.	
		06		*		*		(deg)	
								(kts)	
								*	
								CLOUD (am)	
								*	
								WEATHER	
								(m)	
								73	
								70m55	
SEE 9+		FLUOR S/N		REMARKS		MAX. DEPTH =		m	
PRESS SN		SBE3-Oxy (prime)							
PRI TEMP SN		SBE3-Oxy (sec)							
SEC TEMP SN		Transmissometer							
PRI COND SN		PAR S/N							
SEC COND SN		O2 Temp Sensor No.							
NIS		Roset.		Hydro Team-PMEL		Jessica		Weingartner	
No.		DESIRED		SALT		Nut Btl		O2-Btl No	
1		67 Btm						CHL.	
2		50						Frac CHL.	
3		40						DIC/AIK	
4		30						DOC	
5		20						018	
6		10						Urea	
7		0						Part.	
8								Prod	
9								DON	
10									
11									
12									

ICE LOG: Surface Ice Conditions or proximity to ice edge

Rosette Notes:

2,7-12akers out of water

3,4,6-1eaker when vented

VESSEL RV Thoma, J. Thompson		CRUISE TN249		PROJECT & LEG BEST/BSIERP Spru. 10		Ship's CTD filename 249xxxxx 2 4 9 15101		STATION NO. D										
CONSC CAST #	LATITUDE		LONGITUDE		TIME (GMT)		DRY BULB	WET BULB	PRESSURE	SEA STATE	VISIBILITY	WIND DIRN.	WIND SPD.	CLOUD (an)	WEATHER	BOTTOM DEPTH	STA. NAME/ID	
1	88	61	56	17	42	1.83	W	04	JUN	10	23	47	1.5		06	14	21	8
REMARKS Fluorescence Max ~ 25 m																		
MAX. DEPTH = m																		
SBE 9+ _____ FLUOR S/N _____ PRESS SN _____ SBE43-Oxy (prime) _____ PRI TEMP SN _____ SBE43-Oxy (sec) _____ SEC TEMP SN _____ Transmissometer _____ PRI COND SN _____ PAR S/N _____ SEC COND SN _____ O2 Temp Sensor No. _____																		
NIS	DEPTH	Roset.	Hydro Team-PMEL				Jessica		Weingartner		Sambrotto		Jen	Lomas	Moran	Harvey	Cariv	Karin
No.	DESIRED	notes	SALT	Nut.Btl	O2-Btl No	CHL.	Frac CHL	DIC/AIK	DOC	O18	Urea	Part.	Prod	DON				
1	68	Bim	1341	91	064					242								
2	50			92		81	SA1											
3	40			93		12	12											
4	30			94		13	13											
5	25															70m 56		
6	20			95		84	SA4									70m 56		
7	10			96		15	15			243						70m 56		
8	0			97		16	16			244						70m 56		
9																		
10																		
11																		
12																		

ICE LOG: Surface Ice Conditions or proximity to ice edge

Rosette Notes:

2 - 1eakies out of water
3,4,7 - 1eakies after vented

VESSEL		CRUISE TN249		PROJECT & LEG		Ship's CTD filename		STATION NO.	
RV Thompson, J. Thompson		TN249		BEST/BIERP Spr., 10		249xxxxx		2 4 9 15201	
CONSC CAST #		LATITUDE		LONGITUDE		TIME (GMT)		DRY BULB WET BULB	
1896201.58 N		17439.52 W		05 JUN 10		0115		1.5 . 06	
SBE 9+		FLUOR S/N		REMARKS		MAX. DEPTH =		m	
PRESS SN		SBE43-Oxy (prime)							
PRI TEMP SN		SBE43-Oxy (sec)							
SEC TEMP SN		Transmissometer							
PRI COND SN		PAR S/N							
SEC COND SN		O2 Temp Sensor No.							
NIS		Rosel		Hydro Team-PMEL		Jessica		Weingartner	
No. DESIRED		notes		SALT		Nat. Br		O2-Btl. No	
1		70m		198				1245	
2		50		199		1D1			
3		40		100		2			
4		30		101		3			
5		20		102		4			
6		10		103		5		1246	
7		0		104		6		1247	
8									
9									
10									
11									
12									

ICE LOG: Surface Ice Conditions or proximity to ice edge

Rosette Notes: 2 - 1eaker out of water

754 - 1eaker after water

VESSEL RV Thompson J. Thompson		CRUISE TN249		PROJECT & LEG BEST/BIERP Spr. 10		Ship's CTD filename 2490000 2 4 9 15301		STATION NO. 150			
CONSC CAST #		LATITUDE		LONGITUDE		TIME (GMT)		DRY BULB WET BULB			
DEG MIN		DEG MIN		DAY MO YR		HR MIN		PRESSURE			
1906208.12N		17442.56W		05 JUN 10		0231		1.5			
SBE 9+		FLUOR S/N		REMARKS		MAX. DEPTH =		m			
PRESS SN		SBE43-Oxy (prime)		Station occurred 30 miles from 70m 58 because Jay was afraid of hitting a M8 mooring w/ the CTD!		SEA STATE		VISIBILITY			
PRI TEMP SN		SBE43-Oxy (sec)				WIND DIRN.		WIND SPD.		CLOUD (an)	
SEC TEMP SN		Transmissometer				(deg)		(kts)		WEATHER	
PRI COND SN		PAR S/N				WIND DIRN.		WIND SPD.		CLOUD (an)	
SEC COND SN		O2 Temp Sensor No.				WIND DIRN.		WIND SPD.		CLOUD (an)	
NIS		Rosel		Hydro Team-PMEL		Jessica		Weingartner		Santibrotto	
No. DESIRED		notes		SALT		Nut Btl		O2-Btl No		CHI. Frac CHI DIC/ALK	
1		68m		-105		-016				-248	
2		50		-106							
3		40		-107							
4		30		-108							
5		20		-109							
6		10		-110							
7		0		-1342		111				-250	
8											
9											
10											
11											
12											

ICE LOG: Surface Ice Conditions or proximity to ice edge

Rosette Notes:

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

VESSEL		CRUISE TN249		PROJECT & LEG		Ship's CTD filename		STATION NO.	
RV Thomas J. Thompson		TN249		BEST/BIERP Spr. 10		249xxx 2 4 9		15401	
CONSC CAST #		LATITUDE		LONGITUDE		TIME (GMT)		DRY BULB WET BULB	
1916212.92N		17556.41W		05 JUN 10		0637		1.5	
DEG MIN		DEG MIN		DAY MO YR		HR MIN		(°C) (°C)	
1916212.92N		17556.41W		05 JUN 10		0637		1.5	
SBE 9+		FLUOR S/N		REMARKS		MAX. DEPTH =		m	
PRESS SN		SBE43-Oxy (prime)							
PRI TEMP SN		SBE43-Oxy (sec)							
SEC TEMP SN		Transmissometer							
PRI COND SN		PAR S/N							
SEC COND SN		O2 Temp Sensor No.							
NIS		Roset.		Hydro Team-PMEL		Jessica		Weingartner	
No.		DESIREC		SALT		Nut Btl		O2-Btl No	
1		85		Btm		Y344		112	
2		75						-113	
3		50						-114	
4		40						-115	
5		30						-116	
6		20						-117	
7		10						-118	
8		0						-119	
9									
10									
11									
12									
NIS		No.		NIS		No.		NIS	
1		251		1		251		1	
2				2				2	
3				3				3	
4				4				4	
5				5				5	
6				6				6	
7				7				7	
8				8				8	
9				9				9	
10				10				10	
11				11				11	
12				12				12	

ICE LOG: Surface Ice Conditions or proximity to ice edge

Rosette Notes:

8 - 1eaker out of water
2, 3, 4, 5, 6, 7 - 1eakers when dinter

VESSEL RV Thompson, J. Thompson		CRUISE TN249		PROJECT & LEG BEST/BIERP Spr. 10		Ship's CTD filename 249xxxx 2 4 9		STATION NO. 15501	
CONSC CAST #		LATITUDE		LONGITUDE		TIME (GMT)		DRY BULB WET BULB	
1926212.95 N		17533.04 W		05 JUN 10		0810		1.6	
SBE 9+		FLUOR S/N		REMARKS		MAX. DEPTH =			
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		Rosel		Hydro Team-PMEL		Jessica		Weingartner	
No. DESIRED		notes		SALT		Nut. Bl		O2-BI No	
1		80		120		SB1		254	
2		50		121		2		255	
3		40		122		3		256	
4		30		123		4			
5		20		124		5			
6		10		1		6			
7		0		2		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		CRUISE TN249		PROJECT & LEG		Ship's CTD filename		STATION NO.																																	
RV Thomas S. Thompson		TN249		BEST/SIERP Spn. 10		249xxxxx		2 4 9 156.01																																	
CONSC CAST #		LATITUDE		LONGITUDE		TIME (GMT)		DRY BULB WET BULB																																	
1936211.28N		17508.81W		05 JUN 10		1039		1.4																																	
DEG MIN		DEG MIN		DAY MO YR		HR MIN		PRESSURE (°C)																																	
1936211.28		17508.81		05 JUN 10		1039		1.4																																	
SBE 9+		FLUOR S/N		REMARKS		MAX. DEPTH =		795.12																																	
PRESS SN		SBE43-Oxy (prime)		1059000		SEA STATE		VISIBILITY																																	
PRI TEMP SN		SBE43-Oxy (sec)				WIND DIRN.		WIND SPD.		CLOUD (an)																															
SEC TEMP SN		Transmissometer				WIND DIRN.		WIND SPD.		CLOUD (an)																															
PRI COND SN		PAR S/N				WIND DIRN.		WIND SPD.		CLOUD (an)																															
SEC COND SN		O2 Temp Sensor No.				WIND DIRN.		WIND SPD.		CLOUD (an)																															
NLS		Rosel.		Hydro Team-PMEL		Jessica		Weingartner		Sanbroto		Jen		Lomas		Moran		Harvey		Carriv		Karin		NLS																	
No. DESIRED		notes		SALT		Nut. Bl		O2-BL No		CHL		Frac CHL		DIC/AIK		DOC		O18		Urea		Part.		Prod		DON		Jen		Lomas		Moran		Harvey		Carriv		Karin		NLS	
1		74																																							
2		60																																							
3		50																																							
4		40																																							
5		30																																							
6		27																																							
7		27																																							
8		27																																							
9		27																																							
10		27																																							
11		20																																							
12		0																																							

ICE LOG: Surface Ice Conditions or proximity to ice edge

no ice

Rosette Notes:

bottles 9-12 not working

VESSEL RV Thomas J. Thompson		CRUISE TN249		PROJECT & LEG TN249		BEST/BSIERP Spt. 10		Ship's CTD filename 249xxxxx		2 4 9 15602		STATION NO. 016	
CONSC CAST #		LATITUDE		LONGITUDE		TIME (GMT)		DRY BULB		WET BULB		PRESSURE	
DEG MIN		DEG MIN		DAY MO YR		HR MIN		(°C)		(°C)		(mb)	
194 62 11.34 N		175 09.18 W		05 JUN 10		11 53		1.0		.09		194 8	
SBE 9+		FLUOR S/N		REMARKS		MAX. DEPTH =							
PRESS SN		SBE43-Oxy (prime)		Temperature sensors diverge									
PRI TEMP SN		SBE43-Oxy (sec)		from each other between 10+20 m									
SEC TEMP SN		Transmissometer		on upcast 72									
PRI COND SN		PAR S/N											
SEC COND SN		O2 Tmp Sensor No.											
NIS		Rosel.		Hydro Team-PMEL		Jessica		Weigartner		Sambratto		Jen	
No.		DESIRED notes		SALT		NUT BI		O2-BI No		CHL		Frac CHL	
1		75		Y34-3		113		/		257		/	
2		50		4		SB1		/					
3		40		5		2		/					
4		30		6		3							
5		20		7		4		/					
6		10		8		5				258			
7		0		Y346		9		/		259			
8													
9													
10													
11													
12													

ICE LOG: Surface Ice Conditions or proximity to ice edge

ND 1ce

Rosette Notes:

2, 4, 6 drifting

VESSEL	CRUISE TN249	PROJECT & LEG	Ship's CTD filename	STATION NO.
R/V Thomas J. Thompson	TN249	BEST/BIERP Splice 10	249xxxxx 2 4 9 15603	1560

CONSC CAST #	LATITUDE	LONGITUDE	TIME (GMT)	DRY BULB	WET BULB	PRESSURE	SEA STATE	VISIBILITY	WIND DIRN.	WIND SPD.	CLOUD (an)	WEATHER	BOTTOM DEPTH	STA. NAME/ID
19562	11.34 N	7509.11 W	05 JUN 10 1430	6.9		09			186	8			80	SK12

SBE 9+	FLUOR S/N	REMARKS	MAX. DEPTH =
PRESS SN	SBE43-Oxy (prime)	2007	m
PRI TEMP SN	SBE43-Oxy (sec)		
SEC TEMP SN	Transmissometer		
PRI COND SN	PAR S/N		
SEC COND SN	O2 Imp Sensor No.		

NIS	DEPTH	Roset.	Hydro Team-PMEL				Jessica				Weingartner				Sambrutto				Jen	Lomas	Moran	Harvey	Cariv/	Katrin	NIS
			SALT	Nut. Btl	O2-Btl No	CHL	Frac CHL	DIC/AIK	DOC	O18	Urea	Part.	Prod	DON											
1	42			10																					1
2	42																								2
3	29			11																					3
4	29																								4
5	29																								5
6	29																								6
7	29																								7
8	29																								8
9	29																								9
10	29																								10
11	29																								11
12	29																								12

ICE LOG: Surface Ice Conditions or proximity to ice edge

no ice

Rosette Notes:

VESSEL	CRUISE TN249	PROJECT & LEG	Ship's CTD filename	STATION NO.
R/V Thomas G. Thompson	TN249	BEST/SIERP Spn. 10	249xxxxx 2 4 9 15604	150

CONSC CAST #	LATITUDE	LONGITUDE	TIME (GMT)	DRY BULB	WET BULB	PRESSURE	SEA STATE	VISIBILITY	WIND DIRN	WIND SPD	CLOUD (an)	WEATHER	BOTTOM DEPTH (m)	STA. NAME/ID
1966211.34	N	17509.12	W 05 JUN 10 1534	1.1		10		225	5				79	SK12

SBE 9+	FLUOR S/N	REMARKS	MAX. DEPTH =
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	Rosel.	Hydro Team-PMEL				Jessica			Weigartner			Sanbroto			Jen	Lomas	Moran	Harvey	Cariv	Katrin	Nis
			SALT	Nut.BI	O2-BI No	CHL	Frac CHL	DIC/AIK	DOC	O18	Urea	Part.	Prod	DON								
1	40																	1.5	7		✓	1
2	40																					2
3	32																			✓		3
4	32																	5	6		✓	4
5	24																				✓	5
6	24																9	5				6
7	14																			✓		7
8	14																17	4				8
9	10																30	3		✓		9
10	5																55	2				10
11	0																100	1		✓		11
12																						12

ICE LOG: Surface Ice Conditions or proximity to ice edge

Rosette Notes:

4,5,6 drifting

no ice

VESSEL		R/V Thomas G. Thompson		CRUISE ID TN249		PROJECT & LEG		BEST/BSICRP_Spring10		Ship's CTD filename		249xxxxx		249		STATION NO.		158													
CONSC CAST #		LATITUDE		LONGITUDE		TIME (GMT)		DRY BULB		WET BULB		PRESSURE		SEA STATE		VISIBILITY		WIND DIRN.		WIND SPD.		CLOUD (amt)		TYPE		WEATHER		BOTTOM DEPTH		STA. NAME/ID	
1986205.716 N		17317.27 W		05 JUN 10		2304		1.3		.		13		266		2		611		SL09											
SBE 9+		FLUOR S/N		SBE 43-Oxy (prime)		SBE 43-Oxy (sec)		Transmissometer		PAR S/N		O2 Temp Sensor No.		REMARKS		MAX. DEPTH =		m													
PRESS SN		PRI TEMP SN		SEC TEMP SN		PRI COND SN		SEC COND SN																							
No.		DEPTH		Roset.		Hydro Team-PMEL		Jessica		Wengartner		Sambrotto		Jen		Lomas		Moran		Harvey		Carin/		Katrin		Nis					
No.		DESIRER		notes		SALT		Nut.Btl		O2-Btl.No		CHL.		Frac CHL.		DIC/ALK		DOC		O18		urea		Part.		Prod		DON			
1		55				Y348		19				LD1								263											
2		50						20																							
3		40						21				2																			
4		30						22				3																			
5		20						23				4																			
6		10						24				5								264											
7		0						25				6								265											
8																															
9																															
10																															
11																															
12																															

ICE LOG: Surface Ice Conditions or proximity to ice edge

Rosette Notes:

VESSEL		CRUISE ID TN249		PROJECT & LEG		Ship's CTD filename		STATION NO.	
R/V Thomas G. Thompson		TN249		BEST/BSIERP_Spring'10		249xxxxx		24915901	
CONSC CAST #		LATITUDE		LONGITUDE		TIME (GMT)		DRY BULB	
1996031.38N		17532.83W		06 JUN 10		1119		1.6	
DEG		MIN		DEG		MIN		HR	
1996031.38		N		17532.83		W		06 JUN 10	
SBE 9+		FLUOR S/N		SBE43-Oxy (prime)		SBE43-Oxy (sec)		Transmissometer	
PRESS SN		PAR S/N		O2 Temp Sensor No.		REMARKS		MAX. DEPTH =	
PRI TEMP SN		SBE43-Oxy (prime)		SBE43-Oxy (sec)		Transmissometer		lots of jellies	
SEC TEMP SN		PAR S/N		O2 Temp Sensor No.		REMARKS		MAX. DEPTH =	
PRI COND SN		SBE43-Oxy (prime)		SBE43-Oxy (sec)		Transmissometer		lots of jellies	
SEC COND SN		PAR S/N		O2 Temp Sensor No.		REMARKS		MAX. DEPTH =	
NIS		Roset.		Hydro Team-PMEL		Jessica		Weingartner	
No.		DESIRED		notes		SALT		Nut Btl	
1		106		Y350		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									
10									
11									
12									

ICE LOG: Surface Ice Conditions or proximity to ice edge

no ice

Rosette Notes:

2, 6, 7 leaking

VESSEL R/V Thomas G. Thompson		CRUISE ID TN249		PROJECT & LEG BEST/BSICRP_Spring'10		Ship's CTD filename 249xxxxx		STATION NO. 160																							
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	
2006006.37 N		17748.54 W		06 JUN 10		1855		2.6		.19		336		3		142		AL3													
SBE 9+		FLUOR S/N		REMARKS																											
PRESS SN		SBE43-Oxy (prime)		temp + salt sensors #2																											
PRI TEMP SN		SBE43-Oxy (sec)		were moved lower on cage																											
SEC TEMP SN		Transmittometer		at this cast to examine cause of																											
PRI COND SN		PAR S/N		NOISY data																											
SEC COND SN		O2 Temp Sensor No.																													
NIS		Roset.		Hydro Team-PMEL		Jessica		Weingartner		Sanbroto		Jen		Lomas		Moran		Harvey		Carin/		Katrin		NIS							
No.		DEPT		notes		SALT		Nut Btl		O2-Btl No		CHL		Ftr		n18		lurea		Part		Prod		DON							
1		139						9		11																					
2		100						10																							
3		75						11																							
4		50						12				SBI																			
5		40						13				2																			
6		30						14				3																			
7		20						15				4																			
8		10						16				5																			
9		0						17				6																			
10																															
11																															
12																															

ICE LOG: Surface Ice Conditions or proximity to ice edge

Rosette Notes:

Bottles 2 & 6 leaking

NO ice

SENSOR 2 WAS
LOWEDED TO BOTTOM
CAGE TO SEE "CLEAN!!"
WATER

21

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). Rdb 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		249xxxxx		2 4 9 / 6101		STATION NO.		161																											
CONSC		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															
CAST #		DEG		MIN		DEG		MIN		DAY		MO		YR		HR		MIN		('C)		('C)		(mb)		*		*		(deg)		(kts)		*		*		(m)							
201		59		53		.38		N		178		54		.31		W		06		JUN		10		23		55		3		.2				20		24		4		3		720		M419	
SBE 9+		SBE 9+		FLUOR S/N		SBE 43-Dry (prime)		SBE 43-Dry (sec)		Transmissometer		PAR S/N		O2 Temp Sensor No.		REMARKS		MAX. DEPTH =		m																									
PRESS SN		PRESS SN		SBE 43-Dry (prime)		SBE 43-Dry (sec)		Transmissometer		PAR S/N		O2 Temp Sensor No.		REMARKS		MAX. DEPTH =		m																											
PRI TEMP SN		PRI TEMP SN		SBE 43-Dry (prime)		SBE 43-Dry (sec)		Transmissometer		PAR S/N		O2 Temp Sensor No.		REMARKS		MAX. DEPTH =		m																											
SEC TEMP SN		SEC TEMP SN		SBE 43-Dry (prime)		SBE 43-Dry (sec)		Transmissometer		PAR S/N		O2 Temp Sensor No.		REMARKS		MAX. DEPTH =		m																											
PRI COND SN		PRI COND SN		SBE 43-Dry (prime)		SBE 43-Dry (sec)		Transmissometer		PAR S/N		O2 Temp Sensor No.		REMARKS		MAX. DEPTH =		m																											
SEC COND SN		SEC COND SN		SBE 43-Dry (prime)		SBE 43-Dry (sec)		Transmissometer		PAR S/N		O2 Temp Sensor No.		REMARKS		MAX. DEPTH =		m																											
NIS		DEPTH		Roset.		Hydro Team-PMEL		Jessica		Weingartner		Sambrotto		Jen		Lomas		Moran		Harvey		Carin/		Katrin		NIS																			
No		DESIRED		notes		SALT		Nut Bit		O2-Btl No		CHL		Frac CHL		DIC/Alk		DOC		O18		Urea		Part.		Prod		DON																	
1		200						18																																					
2		150						19																																					
3		125						20																																					
4		100						21																																					
5		75						22																																					
6		60						23																																					
7		50						24				SBI																																	
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:

After Sediment trap Deployment

VESSEL RV Thomas J. Thompson		CRUISE TN249		PROJECT & LEG BEST/BSIERP Spn. 10		Ship's CTD filename 249xxxxx 2 4 9 16201		STATION NO. 102	
CONSC CAST #		LATITUDE		LONGITUDE		TIME (GMT)		DRY BULB WET BULB	
DEG MIN		DEG MIN		DAY MO YR		HR MIN		(°C) (°C)	
202 59 54.00 N		1 79 26.22 W		07 JUN 10		0213		3.4 . 20	
SBE 9+		FLUOR S/N		REMARKS		PRESSURE		SEA STATE	
PRESS SN		SBE43-Oxy (prime)				VISIBILITY		WIND DIRN.	
PRI TEMP SN		SBE43-Oxy (sec)				(mb) * *		(deg) (kts)	
SEC TEMP SN		Transmissometer				* * *		* * *	
PRI COND SN		PAR S/N				CLOUD (%)		TYPE	
SEC COND SN		O2 Temp Sensor No.				WEATHER		BOTTOM DEPTH	
						MAX. DEPTH =		(m)	
								2072 MND	

No.	DEPTH DESIRED	Roset.	Hydro Team-PMEL				Jessica		Weingartner		Sambrotto			Jen	Lomas	Moran	Harvey	Cariv	Katrin	No.
			SALT	Nut Btl	O2-Btl No	CHL	Frac CHL	DIC/AIK	DOC	O18	Urea	Part.	Prod							
1	Bottom	2660	Y352	30	235															1
2	2500			31																2
3	2250			32	227															3
4	2000			33																4
5	1750			34	219															5
6	1500			35	243															6
7	1250			36																7
8	1000			37	167															8
9	750	leaker		38																9
10	500			39	222															10
11	400			40	218															11
12	300			41	205															12

ICE LOG: Surface Ice Conditions or proximity to ice edge

Rosette Notes:

9 - leaker out of water
8, 7, 10, 2, - leaker when vented

VESSEL		CRUISE TN249		PROJECT & LEG		Ship's CTD filename		STATION NO.	
RV Thompson J. Thompson		TN249		BEST/BSIERP Spr. 10		249xxxxy		2 4 9 102020	
CONSC CAST #		LATITUDE		LONGITUDE		TIME (GMT)		DRY BULB WET BULB	
203		59 54.01 N		179 26.25 W		07 JUN 10		0439 3.6	
DEG MIN		DEG MIN		DAY MO YR		HR MIN		°C °C	
203		59 54.01		179 26.25		07 JUN 10		0439 3.6	
SBE 9+		FLUOR S/N		PRESSURE		SEA STATE		VISIBILITY	
PRESS SN		SBE43-Oxy (p/ime)		WIND DIRN.		WIND SPD.		CLOUD (an)	
PRI TEMP SN		SBE43-Oxy (sec)		WIND DIRN.		WIND SPD.		CLOUD (an)	
SEC TEMP SN		Transmissometer		WIND DIRN.		WIND SPD.		CLOUD (an)	
PRI COND SN		PAR S/N		WIND DIRN.		WIND SPD.		CLOUD (an)	
SEC COND SN		O2 Temp Sensor No.		WIND DIRN.		WIND SPD.		CLOUD (an)	
NIS		Roset.		Hydro Team-PMEL		Jessica		Weingartner	
No.		DESIRED notes		SALT		Nut.Bit		O2-Bit.No	
1		300							
2		250							
3		200							
4		150							
5		100							
6		75							
7		50							
8		40							
9		30							
10		20							
11		10							
12		0							
NIS		DEPTH		SALT		Nut.Bit		O2-Bit.No	
1		300							
2		250							
3		200							
4		150							
5		100							
6		75							
7		50							
8		40							
9		30							
10		20							
11		10							
12		0							
NIS		DEPTH		SALT		Nut.Bit		O2-Bit.No	
1		300							
2		250							
3		200							
4		150							
5		100							
6		75							
7		50							
8		40							
9		30							
10		20							
11		10							
12		0							
NIS		DEPTH		SALT		Nut.Bit		O2-Bit.No	
1		300							
2		250							
3		200							
4		150							
5		100							
6		75							
7		50							
8		40							
9		30							
10		20							
11		10							
12		0							
NIS		DEPTH		SALT		Nut.Bit		O2-Bit.No	
1		300							
2		250							
3		200							
4		150							
5		100							
6		75							
7		50							
8		40							
9		30							
10		20							
11		10							
12		0							
NIS		DEPTH		SALT		Nut.Bit		O2-Bit.No	
1		300							
2		250							
3		200							
4		150							
5		100							
6		75							
7		50							
8		40							
9		30							
10		20							
11		10							
12		0							
NIS		DEPTH		SALT		Nut.Bit		O2-Bit.No	
1		300							
2		250							
3		200							
4		150							
5		100							
6		75							
7		50							
8		40							
9		30							
10		20							
11		10							
12		0							
NIS		DEPTH		SALT		Nut.Bit		O2-Bit.No	
1		300							
2		250							
3		200							
4		150							
5		100							
6		75							
7		50							
8		40							
9		30							
10		20							
11		10							
12		0							
NIS		DEPTH		SALT		Nut.Bit		O2-Bit.No	
1		300							
2		250							
3		200							
4		150							
5		100							
6		75							
7		50							
8		40							
9		30							
10		20							
11		10							
12		0							
NIS		DEPTH		SALT		Nut.Bit		O2-Bit.No	
1		300							
2		250							
3		200							
4		150							
5		100							
6		75							
7		50							
8		40							
9		30							
10		20							
11		10							
12		0							
NIS		DEPTH		SALT		Nut.Bit		O2-Bit.No	
1		300							
2		250							
3		200							
4		150							
5		100							
6		75							
7		50							
8		40							
9		30							
10		20							
11		10							
12		0							
NIS		DEPTH		SALT		Nut.Bit		O2-Bit.No	
1		300							
2		250							
3		200							
4		150							
5		100							
6		75							
7		50							
8		40							
9		30							
10		20							
11		10							
12		0							
NIS		DEPTH		SALT		Nut.Bit		O2-Bit.No	
1		300							
2		250							
3		200							
4		150							
5		100							
6		75							
7		50							
8		40							
9		30							
10		20							
11		10							
12		0							
NIS		DEPTH		SALT		Nut.Bit		O2-Bit.No	
1		300							
2		250							
3		200							
4		150							
5		100							
6		75							
7		50							
8		40							
9		30							
10		20							
11		10							
12		0							
NIS		DEPTH		SALT		Nut.Bit		O2-Bit.No	
1		300							
2		250							
3		200							
4		150							
5		100							
6		75							
7		50							
8		40							
9		30							
10		20							
11		10							
12		0							
NIS		DEPTH		SALT		Nut.Bit		O2-Bit.No	
1		300							
2		250							
3		200							
4		150							
5		100							
6		75							
7		50							
8		40							
9		30							
10		20							
11		10							
12		0							
NIS		DEPTH		SALT		Nut.Bit		O2-Bit.No	
1		300							
2		250							
3		200							
4		150							

VESSEL		CRUISE TN249		PROJECT & LEG		Ship's CTD filename		STATION NO.	
RV Thomas J. Thompson		TN249		BEST/BSIERP Spt. 10		249xxxxy 2 4 9 16 301		103	

CONSC CAST #	LATITUDE			LONGITUDE			TIME (GMT)	DRY BULB	WET BULB	PRESSURE	SEA STATE	VISIBILITY	WIND DIRN.	WIND SPD.	CLOUD (an)	TYPE	WEATHER	BOTTOM DEPTH	STA. NAME/ID				
	DEG	MIN	SEC	DEG	MIN	SEC														DAY	MO	YR	HR
204	59	54	.04	N	178	53	.82	W	07	JUN	10	09	02	3.7			21		278	5		468	MN19

SBE 9+	FLUOR SN	REMARKS	MAX. DEPTH =
PRESS SN	SBE43-Oxy (prime)	all max @ 18	m
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	Cariv	Katrin	NIS
			DESIRED	notes	SALT	Nut.Btl	O2-Btl No	CHL	Frac CHL	DIC/ALK	DOC	O18	Urea	Part							
1	463				53	242															1
2	400				54																2
3	300				55																3
4	200				56																4
5	100				57																5
6	75				58																6
7	50				59			881													7
8	40				60			2													8
9	30				61			3													9
10	19				62			4													10
11	10				63			5													11
12	6				64			6													12

ICE LOG: Surface Ice Conditions or proximity to ice edge

no ice

Rosette Notes:

le leaking

VESSEL	CRUISE TN249	PROJECT & LEG	Ship's CTD filename	STATION NO.
RV Thomas J. Thompson	TN249	BEST/BSIERP Spr. 10	249xxxx 2 4 9	16302

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
205	59 53.60 N	178 53.90 W	07 JUN 10	11 15	4.0	22	288	4				657	M/N 19

SBE 9+	FLUOR S/N	REMARKS	MAX. DEPTH =
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		Sambroto			Jen	Lomas	Moran	Harvey	Carriv	Kaitin	Nis
			DESIREC	notes	SALT	Nut Bit	O2-Bit No	CHL	Frac CHL	DIC/ALK	DOC	O18	Urea	Part.	Prod	DON				
1	60				1	65														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 ice

Rosette Notes:

6. backing

VESSEL		R/V Thomas G. Thompson		CRUISE ID TN249		PROJECT & LEG		BEST/BSIERP_Spring10		Ship's CTD filename		249xxxxx		2 4 9 16305		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	
2085953.61N		17853.90W		07 JUN 10		1621		4.1		.		22		*		*		(deg)		(kts)		*		*		(m)		656		M119	
SBE 9+		FLUOR S/N		SBE 43-Oxy (prime)		SBE 43-Oxy (sec)		Transmissometer		PAR S/N		O2 Temp Sensor No.		REMARKS		MAX DEPTH =		m													
PRESS SN		SBE 43-Oxy (prime)		SBE 43-Oxy (sec)		Transmissometer		PAR S/N		O2 Temp Sensor No.		REMARKS		MAX DEPTH =		m															
PRI TEMP SN		SBE 43-Oxy (prime)		SBE 43-Oxy (sec)		Transmissometer		PAR S/N		O2 Temp Sensor No.		REMARKS		MAX DEPTH =		m															
SEC TEMP SN		SBE 43-Oxy (prime)		SBE 43-Oxy (sec)		Transmissometer		PAR S/N		O2 Temp Sensor No.		REMARKS		MAX DEPTH =		m															
PRI COND SN		SBE 43-Oxy (prime)		SBE 43-Oxy (sec)		Transmissometer		PAR S/N		O2 Temp Sensor No.		REMARKS		MAX DEPTH =		m															
SEC COND SN		SBE 43-Oxy (prime)		SBE 43-Oxy (sec)		Transmissometer		PAR S/N		O2 Temp Sensor No.		REMARKS		MAX DEPTH =		m															

ICE LOG: Surface Ice Conditions or proximity to ice edge

Rosette Notes:

8+5
leakage

no ice

VESSEL		R/V Thomas G. Thompson		CRUISE ID TN249		PROJECT & LEG		BEST/BSERP_Spring'10		Ship's CTD filename		249xxxxx		2 4 9		16401		STATION NO.		164											
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	
209		59 54.01 N		178 12.01 W		08 JUN 10		00 02		41.0		23		*		258		8		*		*		143		MN128					
SBE 9+ PRESS SN PRI TEMP SN SEC TEMP SN PRI COND SN SEC COND SN		FLUOR S/N SBE43-Oxy (prime) SBE43-Oxy (sec) Transmissometer PAR S/N O2 Temp Sensor No.		REMARKS		MAX DEPTH =		m																							
NIS		Roset.		Hydro Team-PMEL		Jessica		Weingartner		Sambrotto		Jen		Lomas		Moran		Harvey		Carin/		Karin		NIS							
No.		DEPTD		notes		SALT		Nut.Btl		O2-Btl.No		CHL		Frac CHL		DIC/Alk		DOC		O18		Urea		Part.		Prod		DON			
1		136		Btm		80																									
2		125				81																									
3		100				82																									
4		75				83																									
5		50				84				581																					
6		40				85				2																					
7		30				86				3																					
8		20				87				4																					
9		10				88				5																					
10		0				89				6																					
11																															
12																															

ICE LOG: Surface Ice Conditions or proximity to ice edge

Rosette Notes: 2,9. 1eakrs out of water

all but 10-1eakrs when vented

VESSEL		CRUISE TN249		PROJECT & LEG		Ships CTD filename		STATION NO.	
RV Thomas J. Thompson		TN249		BEST/BSIERP Sp... 10		249xxxxx		2 4 9 16501	
CONSC CAST #		LATITUDE		LONGITUDE		TIME (GMT)		DRY BULB WET BULB	
2105953.97N		17735.96W		08 JUN 10		0257		3.3	
DEG MIN		DEG MIN		DAY MO YR		HR MIN		°C °C	
2105953.97N		17735.96W		08 JUN 10		0257		3.3	
SBE 9+		FLUOR SN		REMARKS		MAX. DEPTH =			
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		Rosel		Hydro Team-PMEL		Jessica		Weingartner	
No.		DESIRED notes		SALT		Nut.Bt		O2-Bt.No	
1		130 Btm		90		144		266	
2		100		91					
3		75		92					
4		50		93		SB1			
5		40		94		2			
6		30		95		3			
7		20		96		4			
8		10		97		5			
9		0		98		6			
10									
11									
12									
NIS		No.		Jen		Lomas		Moran	
1		1							
2		2							
3		3							
4		4							
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:

9, 2-1eakers out of water
8, 7, 5, 3, 2, 1-1eakers when vented

VESSEL		CRUISE TN249		PROJECT & LEG		Ship's CTD filename		STATION NO.	
RV Thompson, J. Thompson		TN249		BEST/BSIERP Spr. 10		249xxxxx		249 16601	
CONSC CAST #		LATITUDE		LONGITUDE		TIME (GMT)		DRY BULB WET BULB	
DEG MIN		DEG MIN		DAY MO YR		HR MIN		°C °C	
211 59 53.98 N		177 00.09 W		08 JUN 10		05 00		3.0 .	
SBE 9+		FLUOR S/N		REMARKS		PRESSURE		SEA STATE	
PRESS SN		SBE43-Oxy (prime)				(mb)		* * * * *	
PRI TEMP SN		SBE43-Oxy (sec)				WIND DIRN.		WIND SPD.	
SEC TEMP SN		Transmissometer				(deg)		(kts)	
PRI COND SN		PAR S/N				CLOUD (an)		TYPE	
SEC COND SN		O2 Temp Sensor No.				VISIBILITY		WEATHER	
						23		2875	
						136		M116	
						MAX. DEPTH =		m	

No.	DEPTH	Roset.	Hydro Team-PMEL				Jessica		Weingartner		Sambrotto			Jen	Lomas	Moran	Harvey	Cariv	Kathn	No.
			DES/RED	notes	SALT	Nut.BU	O2-BU.No	CHL	Frac CHL	DIC/ALK	DOC	O18	Urea							
1	130	Btm		99						269										1
2	100			100															2	
3	75			101															3	
4	50			102		521	541												4	
5	40			103		2	2												5	
6	30			104		3	3												6	
7	20			105		4	4												7	
8	10			106		5	5			270									8	
9	0			107		6	6			271									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 - leaks when vented

VESSEL		CRUISE TN249		PROJECT & LEG		Ships CTD filename		STATION NO.	
RV Thorne, J. Thompson		TN249		BEST/BSIERP Spr. 10		249xxxxy 2 4 9		16701	
CONSC CAST #		LATITUDE		LONGITUDE		TIME (GMT)		DRY BULB WET BULB	
2125953.94N		7624.05W		08 JUN 10		0746		3.0	
DEG MIN		DEG MIN		DAY MO YR		HR MIN		°C °C	
21 25 95 3.94		76 24.05		08 JUN 10		07 46		3.0	
SBE 9+		FLUOR SN		REMARKS		MAX. DEPTH =		m	
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				Sambroto				Jen	Lomas	Moran	Harvey	Cariv	Katrin	Nis
			DESIRED notes	SALT	Nut.Btl	O2-Btl No	CHL	Frac CHL	DIC/ALK	DOC	O18	Urea	Part.	Prod	DON	Urea	Part.	Prod							
1	134	Btm	Y358	108	239					272															1
2	100		109																						2
3	75		110																						3
4	50		111		581																				4
5	40		112		2																				5
6	30		113		3																				6
7	20		114		4																				7
8	10		118		5					273															8
9	0		119		6					274															9
10																									10
11																									11
12																									12

ICE LOG: Surface Ice Conditions or proximity to ice edge

no ice

Rosette Notes:

Bottom 6, 7, 8 leading

VESSEL	CRUISE TN249	PROJECT & LEG	Ship's CTD filename	STATION NO.
RV Thoma. J. Thompson	TN249	BEST/BSIERP Spr. 10	249xxxxy 2 4 9 16801	160

CONSC CAST #	LATITUDE	LONGITUDE	TIME (GMT)	DRY BULB	WET BULB	PRESSURE	SEA STATE	WIND DIRN.	WIND SPD.	CLOUD (an)	TYPE	WEATHER	BOTTOM DEPTH	STA. NAME/ID
213	59 41.29 N	177 17.35 W	08 JUN 10 1230	4.4		24		240	4				1835m	#
REMARKS														
lost sound old water ~ 26m														
MAX. DEPTH = m														

Nis	DEPTH	Roset.	Hydro Team-PMEL					Jessica			Weingartner			Sambrotto			Jen	Lomas	Moran	Harvey	Cariv	Katrin	Nis
			DESIRE	notes	SALT	Nut.Btl	O2-Btl	CHL	Frac CHL	DIC/ALK	DOC	O18	Urea	Part.	Prod	DON			Th	Lessard	Sherr		No.
1	179					115																	1
2	100					116																	2
3	50					117																	3
4	40					120																	4
5	23					121																	5
6	23																						6
7	23																						7
8	23																						8
9	23																						9
10	23																						10
11	10					122																	11
12	6					123																	12

ICE LOG: Surface Ice Conditions or proximity to ice edge

NO ice

Rosette Notes:

lost 8 Reelivity

VESSEL		CRUISE TN249		PROJECT & LEG		Ship's CTD filename		STATION NO.	
RV Thomp. J. Thompson		TN249		BEST/BIERP Spr. 10		249xxxxx		2 4 9 16901	
CONSC CAST #		LATITUDE		LONGITUDE		TIME (GMT)		DRY BULB WET BULB PRESSURE	
214		5954.00 N		17548.53 W		08 JUN 10		1700 3.7 . 23	
DEG MIN		DEG MIN		DAY MO YR		HR MIN		(°C) (°C) (mb)	
214		5954.00		17548.53		08 JUN 10		1700 3.7 . 23	
SBE 9+		FLUOR SN		SBE43-Oxy (prime)		REMARKS		MAX. DEPTH =	
PRESS SN		SBE43-Oxy (sec)		Transmissometer		air max ~ 30m		130m/14	
PRI TEMP SN		PAR SN		O2 Temp Sensor No.					
SEC TEMP SN									
PRI COND SN									
SEC COND SN									
NIS		Rosel.		Hydro Team-PMEL		Jessica		Weingartner	
DEPTH		SALT		Nut Bu		O2-Bu No		CHL	
1		128		124				275	
2		100		125					
3		75		126					
4		50		127		LD1 LC1			
5		40		128		2 2			
6		30		129		3 3			
7		20		130		4 4			
8		10		131		5 5		276	
9		0		132		6 6		277	
10									
11									
12									

Rosette Notes:

28 floating

no ice

VESSEL R/V Thomas G. Thompson		CRUISE ID TN249		PROJECT & LEG BEST/BSERP_Spring10		Ship's CTD filename 249xxxxx		STATION NO. 170																							
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	
215		59 54.02 N		175 12.06 W		08 JUN 10		21 24		3.5		23		199		3		119		M113											
SBE 9+		FLUOR S/N		SBE43-Oxy (prime)		SBE43-Oxy (sec)		Transmissometer		PAR S/N		02 Temp Sensor No.		REMARKS		MAX DEPTH =															
PRESS SN		SBE43-Oxy (prime)		SBE43-Oxy (sec)		Transmissometer		PAR S/N		02 Temp Sensor No.		REMARKS		MAX DEPTH =																	
PRI TEMP SN		SBE43-Oxy (prime)		SBE43-Oxy (sec)		Transmissometer		PAR S/N		02 Temp Sensor No.		REMARKS		MAX DEPTH =																	
SEC TEMP SN		SBE43-Oxy (prime)		SBE43-Oxy (sec)		Transmissometer		PAR S/N		02 Temp Sensor No.		REMARKS		MAX DEPTH =																	
PRI COND SN		SBE43-Oxy (prime)		SBE43-Oxy (sec)		Transmissometer		PAR S/N		02 Temp Sensor No.		REMARKS		MAX DEPTH =																	
SEC COND SN		SBE43-Oxy (prime)		SBE43-Oxy (sec)		Transmissometer		PAR S/N		02 Temp Sensor No.		REMARKS		MAX DEPTH =																	

ICE LOG: Surface Ice Conditions or proximity to ice edge

Rosette Notes:

1st cast after min T1, and 1 sensor down on frame in line w/ T2, and 2. Saw a slight improvement in aligning T1, T2 (smaller difference than T1, T2), but is upper sensor not aligned. OK deeper.

VESSEL		CRUISE TN249		PROJECT & LEG		Ships CTD filename		STATION NO.	
RV Thomas J. Thompson		TN249		BEST/BSIERP Spn. 10		249xxxxy 2 4 9		17101	
CONSC CAST #		LATITUDE		LONGITUDE		TIME (GMT)		DRY BULB WET BULB	
2165954.01N		17435.91W		09 JUN 10		0053		3.9	
DEG MIN		DEG MIN		DAY MO YR		HR MIN		(°C) (°C)	
2165954.01N		17435.91W		09 JUN 10		0053		3.9	
SBE 9+		FLUOR S/N		REMARKS		MAX. DEPTH =		m	
PRESS SN		SBE43-Oxy (prime)		Chloro max @ ~ 32 m @ 4 mg/m ³					
PRI TEMP SN		SBE43-Oxy (sec)							
SEC TEMP SN		Transmissometer							
PRI COND SN		PAR S/N							
SEC COND SN		O2 Temp Sensor No.							
Nis		Rosel		Hydro Team-PMEL		Jessica		Weingartner	
No. DESIRED		notes		SALT		Nut. Bl		O2-BI No	
1		105 Btm		Y361		142			
2		75				143			
3		50				144		2D1	
4		40				145		2	
5		32							
6		30				146		3	
7		20				147		4	
8		10				148		5	
9		0				149		6	
10									
11									
12									
Nis		No.		Jen		Lomas		Moran	
1		1						Lessard	
2		2							
3		3							
4		4							
5		5						MNI2 32m	
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: 2,8,9-lacking out of water

7,6,5,4,3,1-lackers when Vented

VESSEL		CRUISE TN249		PROJECT & LEG		Ship's CTD filename		STATION NO.	
RV Thomas J. Thompson		TN249		BEST/BSIERP Spr. 10		249xxxxx		17201	
CONSC CAST #		LATITUDE		LONGITUDE		TIME (GMT)		DRY BULB WET BULB PRESSURE	
2175953.98 N		17359.99 W		09 JUN 10		02533.3		23.2702	
SBE 9+		FLUOR S/N		SBE43-Oxy (prime)		SBE43-Oxy (sec)		Transmissometer	
PRESS SN		SBE43-Oxy (sec)		Transmissometer		PAR S/N		O2 Temp Sensor No.	
PRI TEMP SN		PAR S/N		O2 Temp Sensor No.		REMARKS		MAX. DEPTH =	
SEC TEMP SN		PAR S/N		O2 Temp Sensor No.					
PRI COND SN		PAR S/N		O2 Temp Sensor No.					
SEC COND SN		PAR S/N		O2 Temp Sensor No.					

Nis	DEPTH	Roset.	Hydro Team-PMEL				Jessica		Weingartner				Sambroto				Jen	Lomas	Moran	Harvey	Cariv/	Karin	Nis
			No.	DESIRED	notes	SALT	Nut Bit	O2-Bit No	CHL	Frac CHL	DIC/ALK	DOC	O18	Urea	Part.	Prod							
1	95	34m				150	182				284												1
2	75					151																2	
3	50					152																3	
4	40					153																4	
5	30					154																5	
6	20					155																6	
7	10					156																7	
8	0					157																8	
9																						9	
10																						10	
11																						11	
12																						12	

ICE LOG: Surface Ice Conditions or proximity to ice edge

Rosette Notes: 2

8,7,6,5,4,3

VESSEL RV Thoma Thompson		CRUISE TN249		PROJECT & LEG BESTBIERP Spc		Ship's CTD filename 249xxxxy 2 4 9 17301		STATION NO. 153																					
CONSC CAST #		LATITUDE		LONGITUDE		TIME (GMT)		DRY BULB		WET BULB		PRESSURE		SEA STATE		VISIBILITY		WIND DIRN		WIN D SPD		CLOUD (an)		WEATHER		BOTTOM DEPTH		STA. NAME/ID	
218		59 53.89 N		173 24.10 W		09 JUN 10		0538		2.9		.22		316		3		87		MN10									
SBE 9+		FLUOR S/N		REMARKS		MAX. DEPTH =																							
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	Th	Harvey	Lessard	Sherr	Carin	Katrin	NIS
			No.	DESIRED	notes	SALT	Nut Bl	O2-Bll.No	CHL	Frac CHL	DIC/ALK	DOC	O18	Urea										
1	82	Btm	Y362	158							287													1
2	50			159						LD1													2	
3	40			160						2													3	
4	30			161						3													4	
5	27																						5	
6	20																						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: 2, 8 - leaking out of water
3, 4, 5 - leaks when vented

CONSC CAST #	LATITUDE		LONGITUDE		TIME (GMT)		DRY BULB	WET BULB	PRESSURE	SEA STATE	WIND DIRN.	WIND SPD.	CLOUD (%)	WEATHER	BOTTOM DEPTH	STA. NAME/ID				
2195954.03 N	DEG	MIN	DEG	MIN	DAY	MO	YR	HR	MIN	(°C)	(°C)	(mb)	*	*	(deg)	(kts)	*	*	(m)	
					09	JUN	10	07	37	2.3		23			130	2			75	MW69
REMARKS																MAX. DEPTH =	m			
SBE 9+																FLUOR S/N				
PRESS SN																SBE43-Oxy (prime)				
PRI TEMP SN																SBE43-Oxy (sec)				
SEC TEMP SN																Transmissometer				
PRI COND SN																PAR S/N				
SEC COND SN																O2 Temp Sensor No.				

NIS	DEPTH	Roset.	Hydro Team-PMEL				Jessica		Weingartner	Sambrotto			Jen	Lomas	Moran	Harvey	Cariv	Katin	NIS
No.	DESIRED	notes	SALT	Nut. Bit	O2-Bit No	CHL	Frac CHL	DIC/AIK	DOC	O18	Urea	Part.	Prod	DON		Tn	Lessard	Sherr	No.
1	69	Btm		-165	196					290									1
2	50			-166		LD1													2
3	40			-167		2													3
4	30			-168		3													4
5	20			-169		4													5
6	10			-170		5				291									6
7	0			-171		6				292									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 2 leaking
of 6

VESSEL R/V Thomas G. Thompson				CRUISE ID TN249				PROJECT & LEG TN249				BEST/BSIERP_Spring'10				Ship's CTD filename 249xxxxx				24917501				STATION NO. 175							
CONSC CAST #		LATITUDE		LONGITUDE		TIME (GMT)		DRY BULB		WET BULB		PRESSURE		SEA STATE		VISIBILITY		WIND DIRN.		WIND SPD.		CLOUD (am)		WEATHER		BOTTOM DEPTH		STA. NAME/ID			
220		5954		06 N		17212.01 W		09 JUN 10		1108		2.1		23		*		277		11		*		*		73M		N08			
SBE 9+		FLUOR S/N		SBE43-Oxy (prime)		SBE43-Oxy (sec)		Transmissometer		PAR S/N		02 Temp Sensor No.		REMARKS		MAX. DEPTH =															
PRESS SN		SBE43-Oxy (prime)		SBE43-Oxy (sec)		Transmissometer		PAR S/N		02 Temp Sensor No.		REMARKS		MAX. DEPTH =																	
PRI TEMP SN		SBE43-Oxy (prime)		SBE43-Oxy (sec)		Transmissometer		PAR S/N		02 Temp Sensor No.		REMARKS		MAX. DEPTH =																	
SEC TEMP SN		SBE43-Oxy (prime)		SBE43-Oxy (sec)		Transmissometer		PAR S/N		02 Temp Sensor No.		REMARKS		MAX. DEPTH =																	
PRI COND SN		SBE43-Oxy (prime)		SBE43-Oxy (sec)		Transmissometer		PAR S/N		02 Temp Sensor No.		REMARKS		MAX. DEPTH =																	
SEC COND SN		SBE43-Oxy (prime)		SBE43-Oxy (sec)		Transmissometer		PAR S/N		02 Temp Sensor No.		REMARKS		MAX. DEPTH =																	
NIS		Roset.		Hydro Team-PMEL		Jessica		Weingartner		Sambrotto		Jen		Lomas		Moran		Harvey		Carin/		Katrin		NIS							
No.		DESIGNED		notes		SALT		Nut.Btl		O2-Btl No		CHL		Frac CHL		DIC/ALK		DOC		O18		Urea		Part.		Prod		DON			
1		69		Bottom		172		173		LD1		121								293											
2		50																													
3		40						174		2		2																			
4		30						175		3		3																			
5		20						176		4		4																			
6		12																													
7		12																													
8		12																													
9		12																													
10		12																													
11		10						177		5		5								294											
12		0						178		6		6								295											

ICE LOG: Surface Ice Conditions or proximity to ice edge

no ice

Rosette Notes:

247 sections

VESSEL RV Thoma Thompson		CRUISE TN249		PROJECT & LEG BESTBIERP Spr		Ship's CTD filename 249xxxxx		STATION NO. 105																					
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	
22159		54.02 N		17212.00 W		09 JUN 10		1419		2.8		.22		260		6		73		1418									
SBE 9+		FLUOR S/N		REMARKS		2000		MAX. DEPTH =		m																			
PRESS SN		SBE43-Oxy (prime)																											
PRI TEMP SN		SBE43-Oxy (sec)																											
SEC TEMP SN		Transmissometer																											
PRI COND SN		PAR S/N																											
SEC COND SN		O2 Temp Sensor No.																											

NIS	DEPTH	Roset.	Hydro Team-PMEL				Jessica				Weingartner				Sambrotto				Jen	Lomas	Moran	Th	Harvey	Cariv	Katrin	NIS
			No.	DESIRED	nodes	SALT	Nut.Bt	O2-Bt.No	CHL	Frac CHL	DIC/ALK	DOC	O18	Urea	Part.	Prod	DON	No.								
1	25				179																					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		CRUISE TN249				PROJECT & LEG				Ship's CTD filename				STATION NO.																					
RV Thoma Thompson		TN249				BEST/BSIERP Spr.				249xxxxy 249				17503																					
CONSC CAST #		LATITUDE		LONGITUDE		TIME (GMT)		DRY BULB		WET BULB		PRESSURE		SEA STATE		VISIBILITY		WIND DIRN.		WIND SPD.		CLOUD (an)		WEATHER		BOTTOM DEPTH		STA. NAME/ID							
22259		54.00 N		17212.00 W		09 JUN 10		1539		2.7		.		22		253		6								73		MAN 8							
DEG		MIN		DEG		MIN		DAY		MO		YR		HR		MIN		°C		°C		(mb)		°		(deg)		(kts)		°		°		(m)	
SBE 9+				FLUOR S/N																												MAX. DEPTH =			
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		Cariv		Katrin		NIS									
No.		DESIRED		notes		SALT		NUL.BH		O2-BH.No		CHL		Frac CHL		DIC/ALK		DOC		O18		Urea		Part.		Prod		DON				No.			
1		48																														1			
2		37																														2			
3		37																														3			
4		26																														4			
5		26																														5			
6		15																														6			
7		15																														7			
8		9																														8			
9		9																														9			
10		5																														10			
11		0																														11			
12		0																														12			

ICE LOG: Surface Ice Conditions or proximity to ice edge

Rosette Notes:

VESSEL		CRUISE TN249		PROJECT & LEG		Ship's CTD filename		STATION NO.	
RV Thome Thompson		TN249		BEST/BSIERP Sp. 0		249xxxxy 249		1740	
CONSC CAST #		LATITUDE		LONGITUDE		TIME (GMT)		DRY BULB WET BULB PRESSURE	
2235953.99 N		17135.95 W		07 JUN 10		1910 1.9		22 246 4	
DEG MIN		DEG MIN		DAY MO YR		HR MIN		SEC	
22 35 95		3 99		07 JUN 10		19 10		1.9	
SBE 9+		FLUOR S/N		REMARKS		Ice field ahead 0.92 miles		MAX. DEPTH =	
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		Roset.		Hydro Team-PMEL		Jessica		Weingartner	
No. DESIRED		notes		SALT		Nut. Bl		O2-BL No	
1 63				180				296	
2 50									
3 40				181		402			
4 30				182		3			
5 20				183, 184, 185		4		tr. plicate Nuts	
6 10				186		5		297	
7 0				1		47		298	
8									
9									
10									
11									
12									

ICE LOG: Surface Ice Conditions or proximity to ice edge

Ice field ~ 1 mi away

Rosette Notes:

Bottle 2 didn't close - no data.

VESSEL		CRUISE		PROJECT & LEG		Ship's CTD filename		STATION NO.											
RV Thompson		TN249		BESTBIERP Spr.		249xxxxy 2 4 9 17701		1770											
CONSC CAST #	LATITUDE	LONGITUDE		TIME (GMT)		DRY BULB	WET BULB	PRESSURE	SEA STATE	WIND DIRN.	WIND SPD.	CLOUD (%)	WEATHER	BOTTOM DEPTH	STA. NAME/ID				
224	59 33.47 N	170 39.39 W		09 JUN 10		23 21	1.4	21	2	246	6	69	69B	2					
SBE 9+	FLUOR S/N	REMARKS		MAX. DEPTH = m															
PRESS SN	SBE43-Oxy (prime)																		
PRI TEMP SN	SBE43-Oxy (sec)																		
SEC TEMP SN	Transmissometer																		
PRI COND SN	PAR S/N																		
SEC COND SN	O2 Temp Sensor No.																		
NIS	DEPTH	Roset.	Hydro Team-PMEL				Jessica		Weingartner		Sambroto		Jen	Lomas	Moran	Harvey	Cariv	Katrin	NIS
No.	DESIRED	notes	SALT	Nut Bt	O2-Btl No	CHL	Frac CHL	DIC/ALK	DOC	O18	Urea	Part.	Prod	DON					No.
1	64	Btm	Y365	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:

Sta 178 - Multi-use only. No CTD

VESSEL RV Thomas Thompson		CRUISE TN249		PROJECT & LEG BEST/BSIERP Spr		Ship's CTD filename 249xxxxx 24917901		STATION NO. 1790																			
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											
2255849.78	16809.62	10	10	11	07	0.8		19			304	13			46	NP3											
DEG	MIN	DEG	MIN	DAY	MO	YR	HR	MIN	(°C)	(°C)	(mb)	(deg)	(kts)		(m)												
REMARKS																											
MAX. DEPTH = m																											
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 Temp Sensor No.																										
NIS		Roset.		Hydro Team-PMEL				Jessica		Weingartner		Sambroto		Jen		Lomas		Moran		Harvey		Cairn/		Katrin		NIS	
No.	DESIREC	notes	SALT	Nut.Bil	O2-Bil.No	CHL	Frac CHL	DIC/ALK	DOC	O18	Urea	Part.	Prod	DON													No.
1	41			9	197	LD1		/		299									Poc1	438							1
2	30			10		2														1							2
3	20			11		3		/												3							3
4	10			12		4				300										4							4
5	0			13		5		/		301									Poc2	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:

Bottle 2 readings
44

Stn 178 - multi-cored - no CTD

VESSEL RV Thoma Thompson		CRUISE TN249		PROJECT & LEG BEST/BSIERP Spr.		Ship's CTD filename 249xxxxx 249 17902		STATION NO. 179																					
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	
226		5849.80 N		16809.53 W		10 JUN 10		1411		0.7		1.8		303		13		46		UP3									
SBE 9+		FLUOR S/N																											
PRESS SN		SBE43-Oxy (prime)																											
PRI TEMP SN		SBE43-Oxy (sec)																											
SEC TEMP SN		Transmissometer																											
PRI COND SN		PAR S/N																											
SEC COND SN		O2 Temp Sensor No.																											
NIS		Roset.		Hydro Team-PMEL		Jessica		Weingartner		Sanbroto		Jen		Lomas		Moran		Harvey		Cariv		Katrin		NIS					
No.		DESIRED		SALT		Nut.Bt		O2-Bt.No		CHL		Frac CHL		DIC/ALK		DOC		O18		Urea		Part.		Prod		DON			
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 ice

Rosette Notes:

Boat 2 recovery

VESSEL		R/V Thomas G. Thompson		CRUISE ID TN249		PROJECT & LEG		BEST/BIERP_Spring'10		Ship's CTD filename		249xxxxx		2 4 9 17903		STATION NO.		179													
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	
227		58 49.80 N		168 09.54 W		10 JUN 10		15 35		0.7		17		308		14		46		NP3											
SBE 9+		FLUOR S/N		SBE 43-Oxy (prime)		SBE 43-Oxy (sec)		Transmissometer		PAR S/N		O2 Temp Sensor No.		REMARKS		MAX. DEPTH =		m													
PRESS SN		SBE 43-Oxy (prime)		SBE 43-Oxy (sec)		Transmissometer		PAR S/N		O2 Temp Sensor No.		REMARKS		MAX. DEPTH =		m															
PRI TEMP SN		SBE 43-Oxy (prime)		SBE 43-Oxy (sec)		Transmissometer		PAR S/N		O2 Temp Sensor No.		REMARKS		MAX. DEPTH =		m															
SEC TEMP SN		SBE 43-Oxy (prime)		SBE 43-Oxy (sec)		Transmissometer		PAR S/N		O2 Temp Sensor No.		REMARKS		MAX. DEPTH =		m															
PRI COND SN		SBE 43-Oxy (prime)		SBE 43-Oxy (sec)		Transmissometer		PAR S/N		O2 Temp Sensor No.		REMARKS		MAX. DEPTH =		m															
SEC COND SN		SBE 43-Oxy (prime)		SBE 43-Oxy (sec)		Transmissometer		PAR S/N		O2 Temp Sensor No.		REMARKS		MAX. DEPTH =		m															

Nis	DEPTH	Roset.	Hydro Team-PMEL				Jessica				Weingartner				Sambrotto				Jen	Lomas	Moran	Harvey	Carin/	Katrin	Nis
			DESIRED	notes	SALT	Nut. Btl	O2 Btl/No	CHL	Frac CHL	DIC/Alk	DOC	O18	Urea	Part.	Prod	DON	Urea	Part.							
1	40																								1
2	29																								2
3	29																								3
4	20																								4
5	20																								5
6	14																								6
7	14																								7
8	9																								8
9	9																								9
10	5																								10
11	0																								11
12	0																								12

ICE LOG: Surface Ice Conditions or proximity to ice edge

Rosette Notes:

Bottles 7 & 12 - top didn't close right
Bottle 6 - leaking from bottom

VESSEL RV Thoma Thompson		CRUISE TN249		PROJECT & LEG TN249		Ship's CTD filename 249xxxxx		STATION NO. 18001	
CONSC CAST #		LATITUDE		LONGITUDE		TIME (GMT)		DRY BULB WET BULB	
DEG MIN		DEG MIN		DAY MO YR		HR MIN		PRESSURE	
2285903.05 N		16753.65 W		10 JUN 10		1858		0.5	
SBE 9+		FLUOR SN		SBE43-Oxy (prime)		SBE43-Oxy (sec)		Transmissometer	
PRESS SN		PAR SN		O2 Temp Sensor No.		REMARKS		MAX. DEPTH =	
PRI TEMP SN		O2 COND SN		O2 Temp Sensor No.					
SEC TEMP SN									
PRI COND SN									
SEC COND SN									

Nis	DEPTH	Roset.	Hydro Team-PMEL				Jessica				Wingartner				Sambrotto				Jen	Lomas	Moran	Harvey	Cariv	Karin	Nis
			No.	DESIRED	notes	SALT	Nut.Btl	O2-Btl.No	CHL	Frac CHL	DIC/ALK	DOC	O18	Urea	Part.	Prod	DCON								
1	37			15		401	161	1			302														1
2	30			16		2	2	1																	2
3	20			17		3	3	1																	3
4	10			18		4	4	1			303														4
5	0			+4367	19	5	5	1			304														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		CRUISE TN249		PROJECT & LEG		Ship's CTD filename		STATION NO.																			
RV Thoma Thompson		TN249		BEST/BSIERP Spr		249xxxxx		2 4 9 18101																			
CONSC CAST #		LATITUDE		LONGITUDE		TIME (GMT)		DRY BULB WET BULB PRESSURE SEA STATE VISIBILITY WIND DIRN. WIN D SPD. CLOUD TYPE WEATHER BOTTOM DEPTH STA. NAME/ID																			
2295835.77N		16826.52W		10 JUN 10		2253		1.2		17		306		56		NUP4											
SBE 9+		FLUOR SN		REMARKS		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		Sambroto		Jen		Lomas		Moran		Harvey		Cariv		Katrin		NIS			
No. DESIRED		notes		SALT		Nut.Bt		O2-Bt.No		CHL		Frac CHL		DIC/ALK		DOC		O18		Urea		Part.		Prod		DON	
1		50 Btm		20		175		ND1		1		1		1		1		305									
2		40																									
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

Rosette Notes:

VESSEL RV Thoma Thompson		CRUISE TN249		PROJECT & LEG TN249		Ship's CTD filename 249xxxxy		STATION NO. 18201	
CONSC CAST #		LATITUDE		LONGITUDE		TIME (GMT)		DRY BULB WET BULB	
DEG MIN		DEG MIN		DAY MO YR		HR MIN		PRESSURE	
230 58 21.60 N		168 42.07 W		11 JUN 10		0136		1.7	
SBE 9+		FLUOR SN		REMARKS		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.							

N/S	DEPTH	Roset.	Hydro Team-PMEL				Jessica				Weingartner				Sambroto				Jen	Lomas	Moran	Harvey	Cariv	Katrin	N/S	
			No. DESIRED	notes	SALT	Nut Bt	O2-Bt No	CHL	Frac CHL	DIC/CAK	DOC	O18	Urea	Part.	Prod	DON	Th	Lessard								Sherr
1	60	6m																								
2	50																									
3	50																									
4	40																									
5	30																									
6	20																									
7	10																									
8	0																									
9																										
10																										
11																										
12																										

ICE LOG: Surface Ice Conditions or proximity to ice edge

Rosette Notes: 8,7,4,3,2-1 (2akers when vented)

VESSEL RV Thoma Thompson		CRUISE TN249		PROJECT & LEG TN249		BEST/BSIERP Spn		Ship's CTD filename 249xxxxx		249		STATION NO. 103	
CONSC CAST #		LATITUDE		LONGITUDE		TIME (GMT)		DRY BULB		WET BULB		PRESSURE	
DEG MIN		DEG MIN		DAY MO YR		HR MIN		('C)		('C)		(mb)	
23 15 808.09 N		16 857.89 W		11 JUN 10		03 50		2.1		.		15	
SEA STATE		VISIBILITY		WIND DIRN.		WIND SPD.		CLOUD (%)		TYPE		WEATHER	
2		2		266		10		71		NPD		NPD	
SBE 9+		FLUOR SN		REMARKS		MAX. DEPTH =							
PRESS SN		SBE43-Oxy (prime)		Chlorophyll a ~ 25m @ + 25 mg/m ³									
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		Sambroto	
No.		DESIGNED		SALT		Nut.Bil		O2-Bil.No		CHL		Frac CHL	
1		66		33		107		1		311		1	
2		50		34		LD1		2		312		2	
3		50		35		3		3		313		3	
4		40		36		4		4		314		4	
5		30		37		5		5		315		5	
6		25		38		6		6		316		6	
7		20		39		7		7		317		7	
8		10		40		8		8		318		8	
9		6		41		9		9		319		9	
10				42		10		10		320		10	
11				43		11		11		321		11	
12				44		12		12		322		12	

ICE LOG: Surface Ice Conditions or proximity to ice edge

Rosette Notes: 3, 8, 9 - leakers out of water
7, 10, 5, 4 - leakers when vented

VESSEL RV Thomas Thompson		CRUISE TN249		PROJECT & LEG BEST/BSIERP Spn		Ship's CTD filename 249xxxxx 2 4 9 18401		STATION NO. 101																					
CONSC CAST #		LATITUDE		LONGITUDE		TIME (GMT)		DRY BULB		WET BULB		PRESSURE		SEA STATE		VISIBILITY		WIND DIRN.		WIND SPD.		CLOUD (an)		WEATHER		BOTTOM DEPTH		STA. NAME/ID	
2325754.10 N		16914.48 W		11 JUN 10		0624		2.2		.		15		.		239		8		.		.		67		MPT7			
SBE 9+		FLUOR S/N		SBE43-Oxy (prime)		SBE43-Oxy (sec)		Transmissometer		PAR S/N		O2 Temp Sensor No.		REMARKS Chelomax Co - 27 m															
PRESS SN		SBE43-Oxy (prime)		SBE43-Oxy (sec)		Transmissometer		PAR S/N		O2 Temp Sensor No.		MAX. DEPTH = m																	
PRI TEMP SN		SBE43-Oxy (prime)		SBE43-Oxy (sec)		Transmissometer		PAR S/N		O2 Temp Sensor No.																			
SEC TEMP SN		SBE43-Oxy (prime)		SBE43-Oxy (sec)		Transmissometer		PAR S/N		O2 Temp Sensor No.																			
PRI COND SN		SBE43-Oxy (prime)		SBE43-Oxy (sec)		Transmissometer		PAR S/N		O2 Temp Sensor No.																			
SEC COND SN		SBE43-Oxy (prime)		SBE43-Oxy (sec)		Transmissometer		PAR S/N		O2 Temp Sensor No.																			

NIS	DEPTH	Roset.	Hydro Team-PMEL					Jessica		Weingartner		Sambroto			Jen	Lomas	Moran	Harvey	Cariv	Katrin	NIS
			No.	DESIRED	notes	SALT	Nut Btl	O2-Btl No	CHL	Frac CHL	DIC/ALK	DOC	O18	Urea							
1	62				✓40																1
2	50																				2
3	50				✓41			✓LD1													3
4	40				✓42			✓2													4
5	30				✓43			✓3													5
6	27				✓44																6
7	20				✓45			✓4													7
8	10				✓46			✓5													8
9	0				✓47			✓6													9
10																					10
11																					11
12																					12

ICE LOG: Surface Ice Conditions or proximity to ice edge

Rosette Notes:

9 - 1eaker out of water
8, 7, 6, 5, 4, 3 - 1eakers when Vented

VESSEL		CRUISE TN249		PROJECT & LEG		Ship's CTD filename		STATION NO.	
RV Thompson		TN249		BEST/BSIERP Spr.		249xxxxy		18501	
CONSC CAST #		LATITUDE		LONGITUDE		TIME (GMT)		DRY BULB	
DEG		MIN		DEG		MIN		WET BULB	
233		5740.77		16930.50		1027		2.4	
SBE 9+		FLUOR S/N		SBE43-Oxy (prime)		SBE43-Oxy (sec)		Transmissometer	
PRESS SN		PAR S/N		O2 Temp Sensor No.		REMARKS		MAX. DEPTH =	
PRI TEMP SN		PAR S/N		O2 Temp Sensor No.		REMARKS		MAX. DEPTH =	
SEC TEMP SN		PAR S/N		O2 Temp Sensor No.		REMARKS		MAX. DEPTH =	
PRI COND SN		PAR S/N		O2 Temp Sensor No.		REMARKS		MAX. DEPTH =	
SEC COND SN		PAR S/N		O2 Temp Sensor No.		REMARKS		MAX. DEPTH =	
NIS		Rosel.		Hydro Team-PMEL		Jessica		Weingartner	
No.		DESIRED notes		SALT		Nut.Btl		O2-Btl.No	
1		65		48		49		LD1	
2		50		49		49		LD1	
3		40		50		51		2	
4		30		51		52		3	
5		20		52		53		4	
6		10		53		54		5	
7		0		54		-231		6	
8									
9									
10									
11									
12									
NIS		Rosel.		Hydro Team-PMEL		Jessica		Weingartner	
No.		DESIRED notes		SALT		Nut.Btl		O2-Btl.No	
1		65		48		49		LD1	
2		50		49		49		LD1	
3		40		50		51		2	
4		30		51		52		3	
5		20		52		53		4	
6		10		53		54		5	
7		0		54		-231		6	
8									
9									
10									
11									
12									

ICE LOG: Surface Ice Conditions or proximity to ice edge

no ice

Rosette Notes:

No linkers

VESSEL	CRUISE	PROJECT & LEG	Ship's CTD filename	STATION NO.
RV Thoma Thompson	TN249	BEST/BSIERP Sp. 0	249xxxxx 249 18601	10

CONSC CAST #	LATITUDE	LONGITUDE	TIME (GMT)	DRY BULB	WET BULB	PRESSURE	SEA STATE	VISIBILITY	WIND DIRN.	WIND SPD.	CLOUD (am)	WEATHER	BOTTOM DEPTH	STA. NAME/ID
234	57.26	169.46	1308	2.6		14			287	14			67	MP9

SBE 9+	FLUOR SN	REMARKS	MAX. DEPTH =
PRESS SN	SBE43-Oxy (prime)	old max @ 29	m
PRI TEMP SN	SBE43-Oxy (sec)		
SEC TEMP SN	Transmissometer		
PRI COND SN	PAR S/N		
SEC COND SN	O2 Temp Sensor No.		

Nis	DEPTH	Roset.	Hydro Team-PMEL					Jessica				Wingartner				Sambrotto				Jen	Lomas	Moran	Harvey	Carlin	Katrin	Nis
			DESIRED	notes	SALT	Nut. Br	O2-Btl. No	CHL.	Frac CHL	DIC/ALK	DOC	O18	Urea	Part.	Prod	DON										
1	62				371	55						320														1
2	50					56		581																		2
3	40					57		2																		3
4	29					58		3																		4
5	29																									5
6	26					59		4																		6
7	10					60		5																		7
8	0					61		6																		8
9																										9
10																										10
11																										11
12																										12

ICE LOG: Surface Ice Conditions or proximity to ice edge

NO ICE

Rosette Notes:

no lead

VESSEL		CRUISE TN249		PROJECT & LEG		Ship's CTD filename		STATION NO.	
RV Thoma Thompson		TN249		BEST/BSIERP Spr.		249xxxxy 2 4 9 18701		1870	
CONSC CAST #	LATITUDE	LONGITUDE		TIME (GMT)		DRY BULB	WET BULB	PRESSURE	SEA STATE
2355719.39N	16955.29W	11 JUN 10	1431	2.4	14	27914	59	1870	
SBE 9+	FLUOR S/N	REMARKS		MAX DEPTH = m					
PRESS SN	SBE43-Oxy (prime)	chd was @ 40							
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	Sanbroto		Jen
No.	DESIRED	notes	SALT	Nut BH	O2-Bt.No	CHL	Frac CHL	DIC/ALK	DOC
1	53			62	120	581			323
2	40			63		2			
3	30			64		3			
4	20			65		4			
5	10			66		5			324
6	0			67		6			325
7									
8									
9									
10									
11									
12									

ICE LOG: Surface Ice Conditions or proximity to ice edge

NO 14

Rosette Notes:

NO leader

VESSEL		RV Thoma Thompson		CRUISE TN249		PROJECT & LEG		BEST/BSIERP Spn. 0		Ship's CTD filename		249xxxxx		24918801		STATION NO.	
CONSC CAST #		LATITUDE		LONGITUDE		TIME (GMT)		DRY BULB		WET BULB		PRESSURE		SEA STATE		VISIBILITY	
2365658.36N		17016.81W		1723		3.1		.1		14		2619		73		ND11	
SBE 9+		FLUOR SN		SBE43-Oxy (pHme)		SBE43-Oxy (sec)		Transmissometer		PAR SN		O2 Temp Sensor No.		REMARKS		MAX. DEPTH =	
PRESS SN		SBE43-Oxy (pHme)		SBE43-Oxy (sec)		Transmissometer		PAR SN		O2 Temp Sensor No.		REMARKS		MAX. DEPTH =		m	
PRI TEMP SN		SBE43-Oxy (pHme)		SBE43-Oxy (sec)		Transmissometer		PAR SN		O2 Temp Sensor No.		REMARKS		MAX. DEPTH =		m	
SEC TEMP SN		SBE43-Oxy (pHme)		SBE43-Oxy (sec)		Transmissometer		PAR SN		O2 Temp Sensor No.		REMARKS		MAX. DEPTH =		m	
PRI COND SN		SBE43-Oxy (pHme)		SBE43-Oxy (sec)		Transmissometer		PAR SN		O2 Temp Sensor No.		REMARKS		MAX. DEPTH =		m	
SEC COND SN		SBE43-Oxy (pHme)		SBE43-Oxy (sec)		Transmissometer		PAR SN		O2 Temp Sensor No.		REMARKS		MAX. DEPTH =		m	
NIS		Rosel		Hydro Team-PMEL		Jessica		Weingartner		Sambrotto		Jen		Lomas		Moran	
No. DESIRED		notes		SALT		Nut.Btl		O2-Btl.No		CHL		Frac CHL		DIC/ALK		DOC	
1		69		68		581		326		326		326		326		326	
2		50		69		581		326		326		326		326		326	
3		40		70		12		326		326		326		326		326	
4		26		71		13		326		326		326		326		326	
5		20		72		4		326		326		326		326		326	
6		10		73		5		326		326		326		326		326	
7		D		3372		74		328		328		328		328		328	
8																	
9																	
10																	
11																	
12																	

ICE LOG: Surface Ice Conditions or proximity to ice edge

no ice

Rosette Notes:

no leakers

VESSEL				CRUISE ID TN249				PROJECT & LEG				Ship's CTD filename				STATION NO.															
R/V Thomas G. Thompson				TN249				BEST/BSERP_Spring'10				249xxxxx				2 4 9 18901															
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	
2375643.76N		17032.16W		1111JUN10		1955		3.7		.		13		*		*		(deg)		(kts)		*		*		(m)		ND12			
SSE 9+		FLUOR S/N		SSE43-Oxy (prime)		SSE43-Oxy (sec)		Transmissometer		PAR S/N		02 Temp Sensor No.		REMARKS		MAX. DEPTH =		m													
PRESS SN		SSE43-Oxy (prime)		SSE43-Oxy (sec)		Transmissometer		PAR S/N		02 Temp Sensor No.		REMARKS		MAX. DEPTH =		m															
PRI TEMP SN		SSE43-Oxy (prime)		SSE43-Oxy (sec)		Transmissometer		PAR S/N		02 Temp Sensor No.		REMARKS		MAX. DEPTH =		m															
SEC TEMP SN		SSE43-Oxy (prime)		SSE43-Oxy (sec)		Transmissometer		PAR S/N		02 Temp Sensor No.		REMARKS		MAX. DEPTH =		m															
PRI COND SN		SSE43-Oxy (prime)		SSE43-Oxy (sec)		Transmissometer		PAR S/N		02 Temp Sensor No.		REMARKS		MAX. DEPTH =		m															
SEC COND SN		SSE43-Oxy (prime)		SSE43-Oxy (sec)		Transmissometer		PAR S/N		02 Temp Sensor No.		REMARKS		MAX. DEPTH =		m															
NIS		Roset.		Hydro Team-PMEL		Jessica		Weingartner		Sanbroto		Jen		Lomas		Moran		Harvey		Carin/		Katrin		NIS		No.		NIS			
No.		DESIRED		notes		SALT		Nut.Btl		O2-Btl.No		CHL		Frac CHL		DIC/ALK		DOC		O18		Urea		Part.		Prod		DON			
1		102		B+M		176		1058										1329													
2		75				177																									
3		50				178		1058		1058		1058		1058		1058		1058		1058		1058		1058		1058		1058		1058	
4		40				179		1058		1058		1058		1058		1058		1058		1058		1058		1058		1058		1058		1058	
5		30				180		1058		1058		1058		1058		1058		1058		1058		1058		1058		1058		1058		1058	
6		20				181		1058		1058		1058		1058		1058		1058		1058		1058		1058		1058		1058		1058	
7		10				182		1058		1058		1058		1058		1058		1058		1058		1058		1058		1058		1058		1058	
8		0				183		1058		1058		1058		1058		1058		1058		1058		1058		1058		1058		1058		1058	
9																															
10																															
11																															
12																															

ICE LOG: Surface Ice Conditions or proximity to ice edge

Rosette Notes:

8 - leaked out of water
7,4,5,3,2 - leaked when vented

VESSEL		RV Thoma Thompson		CRUISE TN249		PROJECT & LEG		BEST/BSIERP Sp. 0		Ship's CTD filename		249xxxxx		2 4 9 19001		STATION NO.		182													
CONSC CAST #		LATITUDE		LONGITUDE		TIME (GMT)		DRY BULB		WET BULB		PRESSURE		SEA STATE		VISIBILITY		WIND DIRN.		WIN SPD.		CLOUD (amt)		TYPE		WEATHER		BOTTOM DEPTH		STA. NAME/ID	
238		56 17.05 N		171 03.29 W		12 JUN 10 0040		5.0				12				238		16								137		N P 14			
SBE 9+		FLUOR SN		REMARKS		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			Sanbroto			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	130	Btm																						1
2	100																							2
3	75																							3
4	50																							4
5	40																							5
6	40																							6
7	30																							7
8	25																							8
9	20																							9
10	10																							10
11	6																							11
12																								12

ICE LOG: Surface Ice Conditions or proximity to ice edge

Rosette Notes:

VESSEL RV Thoma Thompson		CRUISE TN249		PROJECT & LEG TN249		Ship's CTD filename 249xxxxx		STATION NO. 19101	
CONSC CAST #		LATITUDE		LONGITUDE		TIME (GMT)		DRY BULB WET BULB	
DEG MIN		DEG MIN		DAY MO YR		HR MIN		PRESSURE	
2395636.76N		17048.41W		12 JUN 10		02304.6		12	
SBE 9+		FLUOR SN		REMARKS		MAX. DEPTH =			
PRESS SN		SBE43-Oxy (prime)		9, 8, 2 - leaks out of water					
PRI TEMP SN		SBE43-Oxy (sec)		Sn just put out on top					
SEC TEMP SN		Transmissometer		3, 4, 7 - leaks when lifted					
PRI COND SN		PAR SN							
SEC COND SN		O2 Temp Sensor No.							

No.	DEPTH	Rosel.	Hydro Team-PMEL				Jessica				Wingartner				Sambroto				Jen				Lomas				Moran				Harvey				Carlin				Karin			
			DESIRED	notes	SALT	Nut. Bit	O2-Bit No.	CHL	Frac CHL	DIC/ALK	DOC	O18	Urea	Part.	Prod	DON																										
1	117	Btm			94	178																																				
2	100				95																																					
3	75				76																																					
4	50				97																																					
5	40				NO Sample																																					
6	30				98																																					
7	20				99																																					
8	10				100																																					
9	0				101																																					
10																																										
11																																										
12																																										

ICE LOG: Surface Ice Conditions or proximity to ice edge

Rosette Notes:

CONSC CAST #	LATITUDE		LONGITUDE		TIME (GMT)		DRY BULB	WET BULB	PRESSURE	SEA STATE	VISIBILITY	WIND DIRN.	WIND SPD.	CLOUD (an)	WEATHER	BOTTOM DEPTH	STA. NAME/ID
2405603.24 N	DEG	MIN	DEG	MIN	DAY	MO	YR	HR	MIN	(°C)	(°C)	(mb)	(deg)	(kts)	*	(m)	2740MP15
REMARKS																	
Post overboard -																	
Problems w/ CTD @																	
~1000m - determined after																	

Nis	No.	DEPTH	Roset.	Hydro Team-PMEL				Jessica				Weingartner				Jen	Lomas	Moran	Harvey	Cariv	Katrin	Nis
				DESIRED	notes	SALT	Nut. Btl	O2-Btl No	CHL	Frac CHL	DIC/ALK	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: Bracket O2 minimum

VESSEL R/V Thomas G. Thompson		CRUISE ID TN249		PROJECT & LEG BEST/BSIERP_Spring'10		Ship's CTD filename 249xxxxxy		STATION NO. 193																							
CONSC CAST #		LATITUDE		LONGITUDE		TIME (GMT)		DRY BULB		WET BULB		PRESSURE		SEA STATE		VISIBILITY		WIND DIRN.		WIND SPD.		CLOUD (amt)		TYPE		WEATHER		BOTTOM DEPTH		STA. NAME/ID	
241		5620.83N		17113.89W		12 JUN 10		1140		4.6		.		11		231		9								142		EV18			
SEC 9+		FLUOR S/N		SBE43-Oxy (prime)		SBE43-Oxy (sec)		Transmissometer		PAR S/N		02 Temp Sensor No.		REMARKS		MAX. DEPTH =															
PRESS SN		SBE43-Oxy (prime)		SBE43-Oxy (sec)		Transmissometer		PAR S/N		02 Temp Sensor No.		REMARKS		MAX. DEPTH =																	
PRI TEMP SN		SBE43-Oxy (prime)		SBE43-Oxy (sec)		Transmissometer		PAR S/N		02 Temp Sensor No.		REMARKS		MAX. DEPTH =																	
SEC TEMP SN		SBE43-Oxy (prime)		SBE43-Oxy (sec)		Transmissometer		PAR S/N		02 Temp Sensor No.		REMARKS		MAX. DEPTH =																	
PRI COND SN		SBE43-Oxy (prime)		SBE43-Oxy (sec)		Transmissometer		PAR S/N		02 Temp Sensor No.		REMARKS		MAX. DEPTH =																	
SEC COND SN		SBE43-Oxy (prime)		SBE43-Oxy (sec)		Transmissometer		PAR S/N		02 Temp Sensor No.		REMARKS		MAX. DEPTH =																	

Nis	DEPTH	Roset.	Hydro Team-PMEL				Jessica				Weingartner				Sambrotto				Jen	Lomas	Moran	Harvey	Carin/	Karin	Nis
			DESIRED	notes	SALT	Nut Brl	O2-Bu.No	CHL	Frac CHL	DC/Alk	DOC	018	Urea	Part.	Prod	DON									
1	138				102																				1
2	100				103																				2
3	75				104																				3
4	50				105			581																	4
5	40				106			2																	5
6	30				107			3																	6
7	20				108			4																	7
8	10				109			5																	8
9	0				110			6																	9
10																									10
11																									11
12																									12

ICE LOG: Surface Ice Conditions or proximity to ice edge

Rosette Notes:

4.6.9 Salinity

no ice

VESSEL		CRUISE ID TN249		PROJECT & LEG		Ship's CTD filename		STATION NO.	
R/V Thomas G. Thompson		TN249		BEST/BSIERP_Spring'10		249xxxxx		193	
CONSC CAST #		LATITUDE		LONGITUDE		TIME (GMT)		DRY BULB	
2425620.83 N		71 13.89 W		12 JUN 10		1215		4.7	
DEG MIN		DEG MIN		DAY MO YR		HR MIN		(°C)	
11 13		8 9		12 JUN 10		12 15		4.7	
SEC 9+		FLUOR S/N		PRESSURE		SEA STATE		VISIBILITY	
PRESS SN		SBE43-Oxy (prime)		WET BULB		WIND DIRN.		WIND SPD.	
PRI TEMP SN		SBE43-Oxy (sec)		(mb)		* * (deg)		* * (kts)	
SEC TEMP SN		Transmissometer		* * (m)		CLOUD (am)		TYPE	
PRI COND SN		PAR S/N		* * (m)		WEATHER		BOTTOM DEPTH	
SEC COND SN		02 Temp Sensor No.		MAX. DEPTH =		142		448	
NIS		Roset.		Hydro Team-PMEL		Jessica		Weingartner	
No.		DESIRED notes		SALT		Nut.Brt		O2-Btl.No	
1		10							
2		10							
3		10							
4		10							
5		10							
6									
7									
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 TN249				BEST/BSIERP_Spring'10				Ship's CTD filename 249xxxxx				STATION NO. 194									
CONSC CAST #		LATITUDE		LONGITUDE		TIME (GMT)		DRY BULB		WET BULB		PRESSURE		SEA STATE		VISIBILITY		WIND DIRN.		WIND SPD.		CLOUD (amt)		WEATHER		BOTTOM DEPTH		STA. NAME/ID	
2435618.25 N		17107.98 W		12 JUN 10		1549 5.0		.09		18417		138		TK16															
SEC 9+ _____		FLUOR S/N _____		SBE43-Oxy (prime) _____		SBE43-Oxy (sec) _____		Transmissometer _____		PAR S/N _____		O2 Temp Sensor No. _____																	
PRESS SN _____		PRT TEMP SN _____		SEC TEMP SN _____		PRT COND SN _____		SEC COND SN _____																					
Nis		DEPTH		Roset.		Hydro Team-PMEL		Jessica		Weingartner		Sambrotto		Jen		Lomas		Moran		Harvey		Carrin		Karin		Nis			
No.		DESIRED		notes		SALT		Nut.Btl		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

NO ice.

Rosette Notes:

REMARKS
 First 3 bottles fired normally
 then bottle control was lost.

VESSEL		CRUISE ID TN249		PROJECT & LEG		Ship's CTD filename		STATION NO.	
R/V Thomas G. Thompson		TN249		BEST/BSIERP_Spring'10		249xxxxx		194	
CONSC CAST #		LATITUDE		LONGITUDE		TIME (GMT)		DRY BULB	
2445617.73N		17108.84W		12 JUN 10		1436		5.2	
DEG MIN		DEG MIN		DAY MO YR		HR MIN		(°C)	
SEC 9+		FLUOR S/N		SBE43-Oxy (prime)		SBE43-Oxy (sec)		Transmissometer	
PRESS SN		SEC TEMP SN		PAR S/N		O2 Temp Sensor No.			
SEC COND SN		Roset.		Hydro Team: PMEL		Jessica		Weigartner	
No. DESIRED		notes		SALT		Nut. Br		O2-Bt. No.	
1 30								CHL. Frac CHL. DIC/Aik DOC	
2 19								018 Urea Part. Prod DON	
3 19								Jen Lomas Moran Harvey Carrin/ Katrin	
4 14								Th Lessard Sherr	
5 14									
6 10									
7 10									
8 7									
9 4									
10 0									
11									
12									

ICE LOG: Surface Ice Conditions or proximity to ice edge

Rosette Notes:

REMARKS
Prod cost
- Both no aggrate
- 5000g

MAX. DEPTH = m

VESSEL		CRUISE ID TN249		PROJECT & LEG		Ship's CTD filename		STATION NO.																							
R/V Thomas G. Thompson		TN249		BEST/BSERP_Spring'10		249xxxxx		2 4 9 19501-19502																							
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	
2455603.26N		17118.01W		13JUN10		023816.0		06		20520		2740M		P15																	
SEC 9+		FLUOR S/N		SBE43-Oxy (prime)		SBE43-Oxy (sec)		Transmissometer		PAR S/N		O2 Temp Sensor No.		REMARKS		MAX. DEPTH -		m													
PRESS SN		SBE43-Oxy (prime)		SBE43-Oxy (sec)		Transmissometer		PAR S/N		O2 Temp Sensor No.		REMARKS		MAX. DEPTH -		m															
PRT TEMP SN		SBE43-Oxy (prime)		SBE43-Oxy (sec)		Transmissometer		PAR S/N		O2 Temp Sensor No.		REMARKS		MAX. DEPTH -		m															
SEC TEMP SN		SBE43-Oxy (prime)		SBE43-Oxy (sec)		Transmissometer		PAR S/N		O2 Temp Sensor No.		REMARKS		MAX. DEPTH -		m															
PRT COND SN		SBE43-Oxy (prime)		SBE43-Oxy (sec)		Transmissometer		PAR S/N		O2 Temp Sensor No.		REMARKS		MAX. DEPTH -		m															
SEC COND SN		SBE43-Oxy (prime)		SBE43-Oxy (sec)		Transmissometer		PAR S/N		O2 Temp Sensor No.		REMARKS		MAX. DEPTH -		m															
NIS		Roset.		Hydro Team-PMEL		Jessica		Weingartner		Sambrotto		Jen		Lomas		Moran		Harvey		Carrin/		Katrin		NIS							
No.		DESIRED		notes		SALT		Nut.Btl		QC-BtlNo		CHL.		Frac CHL.		DK/ALK		DOC		O18		Urea		Part.		Prod		DON			
1		360		111		228														338										1	
2		250		112																										2	
3		200		113		088														339										3	
4		150		114		080														340										4	
5		100		115																341										5	
6		75		116																342										6	
7		50		117		206		381												343										7	
8		40		118																344										8	
9		30		119																345										9	
10		20		120																346										10	
11		10		121																347										11	
12		0		122		173		6												348										12	

ICE LOG: Surface Ice Conditions or proximity to ice edge

Rosette Notes:

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

19501 Aborted cast due to PD problems
This cast is 19502

Shallow east of Deep Station
Chlorophyll a ~ 30m

19503

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		195002 1 95																																	
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)					
24		56		03		24		N		17		18		00		W		13		JUN		1		0		03		54		5		9						2746		NP115	
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		Carrin/		Katrín		NIS		No													
No		DESIRED		notes		SALT		Nut.Brt		O2-Brt.No		CHL		Frac CHL		DIC/Alk		DOC		O18		Urea		Part.		Prod		DON													
1		2700		Bottom		1397		123		-169										-375																1					
2		2500						124		-172										-346														10							
3		2250						125												347														3							
4		2000						126																										4							
5		1750						127																										5							
6		1500				110		500		ad - good at 700m																								6							
7		1250						128		-069										348														7							
8		1000						129		-187										349														8							
9		750						130																										9							
10		500						131		-163										-350														10							
11		400						132		-216																								11							
12		300						133												-351														12							

ICE LOG: Surface Ice Conditions or proximity to ice edge

Rosette Notes:

4, 5, 6, 9 - leakers out of water

19501 Aborted due to CTD problems.
This cast is 19503