

Rosette Notes:

Rosette Notes:

VESSEL R/V Thomas G. Thompson		CRUISE ID TN249 TN249 TN250		PROJECT & LEG BEST/BSIERP - Spring 10		Ship's CTD filename 249xxxxy		STATION NO. 1																							
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	
025414.24 N		166.29.53 W		17 JUN 10		1615		6.3		.		09		21007																41	
SBE 9+		FLUOR S/N		SBE43-Oxy (prime)		SBE43-Oxy (sec)		Transmissometer		PAR S/N		02 Temp Sensor No.		REMARKS <i>Good Cast</i> <i>pyrene (thru) checked 65m</i>																	
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		Weingartner		Sambrotto		Jen		Lomas		Moran		Harvey		Carin/		Karin		NIS					
No.		DESIRIED		notes		SALT		Nut.Btl		O2-Btl/No		CHL		Frac CHL		DIC/Alk		DOC		O18		Urea		Part.		Prod		DON			
1		160																													
2		100																													
3		35																													
4		35																													
5		35																													
6		20																													
7		20																													
8		0																													
9		0																													
10																															
11																															
12																															

ICE LOG: Surface Ice Conditions or proximity to ice edge

Rosette Notes:

2 SWH
2 bot
1 mid max
-5cm

VESSEL R/V Thomas G. Thompson		CRUISE ID TN249 750		PROJECT & LEG TN249 250 SUMMER		Ship's CTD filename 25000201		STATION NO. 2																															
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									
045420.26N		16540.70W		17 JUN 10		202406.11		09		190		21		09		142																							
DEG		MIN		DEG		MIN		DAY		MO		YR		HR		MIN		(°C)		(°C)		(mb)		*		*		(deg)		(kts)		*		*		(m)			
SBE 9+		FLUOR S/N		SBE43-Oxy (prime)		SBE43-Oxy (sec)		Transmissometer		PAR S/N		O2 Temp Sensor No.		REMARKS		MAX DEPTH =		m																					
PRESS SN		PRI TEMP SN		SEC TEMP SN		PRI COND SN		SEC COND SN		Roset.		Hydro Team-PMEL		Jessica		Weingartner		Sambrotto		Jen		Lomas		Moran		Harvey		Carin/		Katrin		Nls							
No.		DEPTH		DESIRID		notes		SALT		Nut. Btl		O2 Btl/No		CHL		Frac CHL		DIC/Alk		DOC		O18		Urea		Part		Prod		DON		No.							
1		84		bottom		-22				-23		S81		2																		1							
2		75				-23																										2							
3		50				-24																										3							
4		40				-25																										4							
5		30				-26																										5							
6		20				-27																										6							
7		10				-28																										7							
8		0				-29																										8							
9																																9							
10																																10							
11																																11							
12																																12							

ICE LOG: Surface Ice Conditions or proximity to ice edge

Rosette Notes:

No bubbles! ☺

Noice

Oxygen pickings now 1ml/1ml

VESSEL		R/V Thomas G. Thompson		CRUISE ID		TN249-7N250		PROJECT & LEG		TN249-7N250		BEST/BSIERP		Spring 10		Ship's CTD filename		24-925000301		STATION NO.		3																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																									
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																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																															
085		54		31.52 N		16530.93 W		17 JUN 10		232005.3		5.7		09		*		*		169		7.2		*		*		195		43																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																	
SBE 9+		DEG		MIN		DEG		MIN		DAY		MO		YR		HR		MIN		(°C)		(°C)		(mb)		*		(deg)		(kts)		*		(m)																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																													
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1		96		bottom		30		-003		31		SB6		SB5		SB4		SB3		SB2		SB1		37		36		35		34		33		32		31		30		29		28		27		26		25		24		23		22		21		20		19		18		17		16		15		14		13		12		11		10		9		8		7		6		5		4		3		2		1		0		-1		-2		-3		-4		-5		-6		-7		-8		-9		-10		-11		-12		-13		-14		-15		-16		-17		-18		-19		-20		-21		-22		-23		-24		-25		-26		-27		-28		-29		-30		-31		-32		-33		-34		-35		-36		-37		-38		-39		-40		-41		-42		-43		-44		-45		-46		-47		-48		-49		-50		-51		-52		-53		-54		-55		-56		-57		-58		-59		-60		-61		-62		-63		-64		-65		-66		-67		-68		-69		-70		-71		-72		-73		-74		-75		-76		-77		-78		-79		-80		-81		-82		-83		-84		-85		-86		-87		-88		-89		-90		-91		-92		-93		-94		-95		-96		-97		-98		-99		-100		-101		-102		-103		-104		-105		-106		-107		-108		-109		-110		-111		-112		-113		-114		-115		-116		-117		-118		-119		-120		-121		-122		-123		-124		-125		-126		-127		-128		-129		-130		-131		-132		-133		-134		-135		-136		-137		-138		-139		-140		-141		-142		-143		-144		-145		-146		-147		-148		-149		-150		-151		-152		-153		-154		-155		-156		-157		-158		-159		-160		-161		-162		-163		-164		-165		-166		-167		-168		-169		-170		-171		-172		-173		-174		-175		-176		-177		-178		-179		-180		-181		-182		-183		-184		-185		-186		-187		-188		-189		-190		-191		-192		-193		-194		-195		-196		-197		-198		-199		-200		-201		-202		-203		-204		-205		-206		-207		-208		-209		-210		-211		-212		-213		-214		-215		-216		-217		-218		-219		-220		-221		-222		-223		-224		-225		-226		-227		-228		-229		-230		-231		-232		-233		-234		-235		-236		-237		-238		-239		-240		-241		-242		-243		-244		-245		-246		-247		-248		-249		-250		-251		-252		-253		-254		-255		-256		-257		-258		-259		-260		-261		-262		-263		-264		-265		-266		-267		-268		-269		-270		-271		-272		-273		-274		-275		-276		-277		-278		-279		-280		-281		-282		-283		-284		-285		-286		-287		-288		-289		-290		-291		-292		-293		-294		-295		-296		-297		-298		-299		-300		-301		-302		-303		-304		-305		-306		-307		-308		-309		-310		-311		-312		-313		-314		-315		-316		-317		-318		-319		-320		-321		-322		-323		-324		-325		-326		-327		-328		-329		-330		-331		-332		-333		-334		-335		-336		-337		-338		-339		-340		-341		-342		-343		-344		-345		-346		-347		-348		-349		-350		-351		-352		-353		-354		-355		-356		-357		-358		-359		-360		-361		-362		-363		-364		-365		-366		-367		-368		-369		-370		-371		-372		-373		-374		-375		-376		-377		-378		-379		-380		-381		-382		-383		-384		-385		-386		-387		-388		-389		-390		-391		-392		-393		-394		-395		-396		-397		-398		-399		-400		-401		-402		-403		-404		-405		-406		-407		-408		-409		-410		-411		-412		-413		-414		-415		-416		-417		-418		-419		-420		-421		-422		-423		-424		-425		-426		-427		-428		-429		-430		-431		-432		-433		-434		-435		-436		-437		-438		-439		-440		-441		-442		-443		-444		-445		-446		-447		-448		-449		-450		-451		-452		-453		-454		-455		-456		-457		-458		-459		-460		-461		-462		-463		-464		-465		-466		-467		-468		-469		-470		-471		-472		-473		-474		-475		-476		-477		-478		-479		-480		-481		-482		-483		-484		-485		-486		-487		-488		-489		-490		-491		-492		-493		-494		-495		-496		-497		-498		-499		-500		-501		-502		-503		-504		-505		-506		-507		-508		-509		-510		-511		-512		-513		-514		-515		-516		-517		-518		-519		-520		-521		-522		-523		-524		-525		-526		-527		-528		-529		-530		-531		-532		-533		-534		-535		-536		-537		-538		-539		-540		-541		-542		-543		-544		-545		-546		-547		-548		-549		-550		-551		-552		-553		-554		-555		-556		-557		-558		-559		-560		-561		-562		-563		-564		-565		-566		-567		-568		-569		-570		-571		-572		-573		-574		-575		-576		-577		-578		-579		-580		-581		-582		-583		-584		-585		-586		-587		-588		-589		-590		-591		-592		-593		-594		-595		-596		-597		-598		-599		-600		-601		-602		-603		-604		-605		-606		-607		-608		-609		-610		-611		-612		-613		-614		-615		-616		-617		-618		-619		-620		-621		-622		-623		-624		-625		-626		-627		-628		-629		-630		-631		-632		-633		-634		-635		-636		-637		-638		-639		-640		-641		-642		-643		-644		-645		-646		-647		-648		-649		-650		-651		-652		-653		-654		-655		-656		-657		-658		-659		-660		-661		-662		-663		-664		-665		-666		-667		-668		-669		-670		-671		-672		-673		-674		-675		-676		-677		-678		-679		-680		-681		-682		-683		-684		-685		-686		-687		-688		-689		-690		-691		-692		-693		-694		-695		-696		-697		-698		-699		-700		-701		-702		-703		-704		-705		-706		-707		-708		-709		-710		-711		-712		-713		-714		-715		-716		-717		-718		-719		-720		-721		-722		-723		-724		-725		-726		-727		-728		-729		-730		-731		-732		-733		-734		-735		-736		-737		-738		-739		-740		-741		-742		-743		-744		-745		-746		-747		-748		-749		-750		-751		-752		-753		-754		-755		-756		-757		-758		-759		-760		-761		-762		-763		-764		-765		-766	

VESSEL R/V Thomas G. Thompson				CRUISE ID TN249 IN249 TN257				PROJECT & LEG BEST/BSIERP Spring 10 SUMMER				Ship's CTD filename 249mny -249 25000401				STATION NO. 4															
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			
00654411.98N		16524.100W		18 JUN 10		020405.506.1109		16320		197																		44			
SBE 9+		FLUOR S/N		SBE43-Oxy (prime)		SBE43-Oxy (sec)		Transmissometer		PAR S/N		O2 Temp Sensor No.		REMARKS		MAX. DEPTH =															
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NIS		Roset.		Hydro Team-PMEL		Jessica		Weingartner		Sanbroto		Jen		Lomas		Moran		Harvey		Carrin/		Katrin		NIS							
No.		DEPTH		SALT		Nut Btl		O2-Btl.No		CHL		Frac CHL		DIC/ALK		DOC		O18		Urea		Part.		Prod		DON					
1		193		bottom		38																									
2		150				39																									
3		100				40																									
4		75				41																									
5		50				42																									
6		40				43																									
7		30				44																									
8		20				45																									
9		10				46																									
10		0				47		200		SB1																					
11																															
12																															

ICE LOG: Surface Ice Conditions or proximity to ice edge

Rosette Notes:

No hakes

VESSEL R/V Thomas G. Thompson				CRUISE ID TM249 TD250				PROJECT & LEG BEST/BIERP Spring 10				Ship's CTD filename 249000501				STATION NO. 5																							
CONC 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									
00754		52.83 N		16513.27 W		18 JUN 10		050015.4		05.70		9		1		7423												1224AP8		UAP8									
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				O2 Temp Sensor No.																																			
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		122		off on		-		-48		220																													
2		100						-49																															
3		75						-50																															
4		50						-51				SB 6		SA 6																									
5		40						-52				SB 5		SA 5																									
6		30						-53				SB 4		SA 4																									
7		20						-54				SB 3		SA 3																									
8		10						-55				SB 2		SA 2																									
9		0						-56				SB 1		SA 1																									
10																																							
11																																							
12																																							

ICE LOG: Surface Ice Conditions or proximity to ice edge

Rosette Notes:

#9 was leaky

VESSEL R/V Thomas G. Thompson		CRUISE ID 112220 TN250		PROJECT & LEG BEST/BSIERP_Spring10		Ship's CTD filename 25000701		STATION NO. 7																															
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)			
0075518.57 N		16423.20 W		18 JUN 10		1301		5.4				10		210		13																							
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		SBE43-Oxy (prime)		SBE43-Oxy (sec)		Transmissometer		PAR S/N		02 Temp Sensor No.		REMARKS		MAX DEPTH =		m																							
PRI TEMP SN		SBE43-Oxy (prime)		SBE43-Oxy (sec)		Transmissometer		PAR S/N		02 Temp Sensor No.		REMARKS		MAX DEPTH =		m																							
SEC TEMP SN		SBE43-Oxy (prime)		SBE43-Oxy (sec)		Transmissometer		PAR S/N		02 Temp Sensor No.		REMARKS		MAX DEPTH =		m																							
PRI COND SN		SBE43-Oxy (prime)		SBE43-Oxy (sec)		Transmissometer		PAR S/N		02 Temp Sensor No.		REMARKS		MAX DEPTH =		m																							
SEC COND SN		SBE43-Oxy (prime)		SBE43-Oxy (sec)		Transmissometer		PAR S/N		02 Temp Sensor No.		REMARKS		MAX DEPTH =		m																							
NIS		Roset.		Hydro Team-PMEL		Jessica		Weingartner		Sambrotto		Jen. CCS		Lomas		Moran		Harvey		Carrin/		Karin		NIS															
No.		DESIRIED		SALT		Nuc. Bd		02-Bd No		CHL		Frac CHL		DIC/ALK		DOC		O18		Urea		Part.		Prod		DON													
1		60T				65		834																															
2		75				66																																	
3		50				47				LC4																													
4		40				68				LC5																													
5		30				69				LC4																													
6		20				70				LC3																													
7		10				71				LC3																													
8		10																																					
9		10																																					
10		10																																					
11		10																																					
12		0				72				LC1																													

ICE LOG: Surface Ice Conditions or proximity to ice edge

Rosette Notes:

VESSEL R/V Thomas G. Thompson		CRUISE ID 41279 TN240252		PROJECT & LEG BEST/BSIERP - Spring 10		Ship's CTD filename 249xxxxx		STATION NO. 8																							
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	
414		5531.57 N		16359.74 W		18 JUN 10		1507		5.4		.		10		171		12								92		C445			
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		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 =																	

ICE LOG: Surface Ice Conditions or proximity to ice edge

Rosette Notes: 0.5, 1.0, 1.5, 2.0, 2.5, 3.0 m

fish on thermocline measured up to 17' + 10' Sal ~ 42 and O₂ + Sal on upcast at 83 m

VESSEL		CRUISE ID 2449		PROJECT & LEG		Ship's CTD filename		STATION NO.	
R/V Thomas G. Thompson		TN250		BEST/BSIERP_Summer10		250xxxxx		25000802	
CONSC CAST #		LATITUDE		LONGITUDE		TIME (GMT)		DRY BULB	
DEG MIN		DEG MIN		DAY MO YR		HR MIN		(°C)	
01/5531.55 N		16358.22 W		18 JUN 10		1625-5:55		. 16	
SSE 9+		FLUOR S/N		SBE43-Oxy (prime)		SBE43-Oxy (sec)		Transmissometer	
PRESS SN		SBE43-Oxy (prime)		SBE43-Oxy (sec)		Transmissometer		PAR S/N	
PRI TEMP SN		SBE43-Oxy (prime)		SBE43-Oxy (sec)		Transmissometer		PAR S/N	
SEC TEMP SN		SBE43-Oxy (prime)		SBE43-Oxy (sec)		Transmissometer		PAR S/N	
PRI COND SN		SBE43-Oxy (prime)		SBE43-Oxy (sec)		Transmissometer		PAR S/N	
SEC COND SN		SBE43-Oxy (prime)		SBE43-Oxy (sec)		Transmissometer		PAR S/N	
02 Temp Sensor No.		SBE43-Oxy (prime)		SBE43-Oxy (sec)		Transmissometer		PAR S/N	
REMARKS		MAX DEPTH =		m		upcast 3.5m/1 no good			
NIS DEPTH		Roset.		Hydro Team-PMEL		Jessica		Weingartner	
No. DESIRED		notes		SALT		Nut.Bt		O2-Bt/NO	
1 Bot 87		87		88		81		82	
2 75		75		83		84		85	
3 50		50		84		85		86	
4 40		40		85		86		87	
5 30		30		86		87		88	
6 20		20		87		88		89	
7 10		10		88		89		90	
8 0		0		89		90		91	
9				90		91		92	
10				91		92		93	
11				92		93		94	
12				93		94		95	

Notes:

Sucked a jelly at bottom Primary Sensors affected on upcast

VESSEL		CRUISE ID		PROJECT & LEG		Ship's CTD filename		STATION NO.	
R/V Thomas G. Thompson		TN250		BEST/BSIERP_Summer'10		250xxxxx 2 5 001001		1D	

CONSC CAST #	LATITUDE		LONGITUDE		TIME (GMT)	DRY BULB (°C)	WET BULB (°C)	PRESSURE (mb)	SEA STATE *	VISIBILITY *	WIND DIRN. (deg)	WIND SPD. (kts)	CLOUD (amt) *	TYPE *	WEATHER *	BOTTOM DEPTH (m)	STA. NAME/ID
	DEG	MIN	DEG	MIN													
6135557.777N	16311.44	W	181	02333305.404	711	18712	88										4703

SBE 3+	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				Sambrotto				Alexei	Lomas		Moran	Harvey	Stoecker	Karin	NIS
			No	DESIGNED	notes	SALT	Nut.Btl	O2-Btl/No	CHL	Frac CHL	DIC/Alk	DOC	Urea	Part.		Prod	DON					
1	82	bottom		96	136																	1
2	75			97																		2
3	50			98		LD1																3
4	40			99		LD2																4
5	30			100		LD3																5
6	20			101		LD4																6
7	10	SEAN																				7
8	10			102		LD5																8
9	0			103		LD6																9
10																						10
11																						11
12																						12

Notes:

VESSEL		CRUISE ID		PROJECT & LEG		Ship's CTD filename		STATION NO.	
R/V Thomas G. Thompson		TN250		BEST/BSIERP_Summer'10		250xxxxx		25001401	
CONSC CAST #		LATITUDE		LONGITUDE		TIME (GMT)		DRY BULB	
DEG		MIN		DEG		MIN		DAY	
MO		YR		HR		MIN		SEC	
WET BULB		PRESSURE		SEA STATE		VISIBILITY		WIND DIRN.	
WIND SPD.		CLOUD (amt)		TYPE		WEATHER		BOTTOM DEPTH	
STA. NAME/ID		KAP2		82					
SBE 9+		FLUOR S/N		REMARKS		MAX DEPTH =		m	
PRESS SN		SBE43-Oxy (prime)		Fluorescence peak ~ 9 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		Roset.		Hydro Team-PMEL		Jessica		Sambrotto	
No		DESIRE		SALT		Nut.Btl		O2-Btl.No	
CHL.		Frac CHL.		DIC/Alk		DOC		Urea	
Part.		Prod		DON		Alexei		Lomas	
Moran		Harvey		Stoeker		Katrin		Seann	
No.		No.		No.		No.		No.	

Notes:

Jellies, lots
#6 slight leak
ON ←
under depth should be 82 not 25 ft
consec cast should be 14 not 13

VESSEL		CRUISE ID		PROJECT & LEG		Ship's CTD filename		STATION NO.	
R/V Thomas G. Thompson		TN250		BEST/BSIERP_Summer10		250xxxxx		12	
CONSC CAST #		LATITUDE		LONGITUDE		TIME (GMT)		DRY BULB	
DEG MIN		DEG MIN		DAY MO YR		HR MIN		WET BULB	
0155624.29 N		16218.45 W		19 JUN 10		062805.40		404.71	
SBE 9+		FLUOR S/N		REMARKS		PRESSURE		SEA STATE	
PRESS SN		SBE43-Oxy (prime)				(°C)		VISIBILITY	
PRI TEMP SN		SBE43-Oxy (sec)				(°C)		WIND DIRN.	
SEC TEMP SN		Transmissometer				(mb)		WIND SPD.	
PRI COND SN		PAR S/N				* * *		CLOUD (amt)	
SEC COND SN		O2 Temp Sensor No.				* * *		TYPE	
						17206		WEATHER	
								BOTTOM DEPTH (m)	
								80	
								MAX DEPTH =	
								m	

No	DEPTH	Roset.	Hydro Team-PMEL			Jessica			Sambrotto			Alexei	Lomas			Moran	Harvey	Stoeker	Katrin	No.
			DESIED	notes	SALT	Nut.Bt	O2-Btl/No	CHL	Frac CHL	DIC/Aik	DOC		Urea	Part.	Prod					
1	50	bottom	Y84	111	-109															1
2	40			112																2
3	30			113																3
4	20			114																4
5	10			115																5
6	0			116																6
7				117																7
8																				8
9																				9
10																				10
11																				11
12																				12

Notes:

Dring on S(top) interfered with closing, sample no good

VESSEL		CRUISE ID		PROJECT & LEG		Ship's CTD filename		STATION NO.	
R/V Thomas G. Thompson		TN250		BEST/BSIERP_Summer'10		250xxxxx		25001301	
CONSC CAST #		LATITUDE		LONGITUDE		TIME (GMT)		DRY BULB	
DEG MIN		DEG MIN		DAY MO YR		HR MIN		WET BULB	
116 56 37		28 N 161 52.81		W 19 JUN 10		08 49		4.7	
SBE 9+		FLUOR S/N		REMARKS		PRESSURE		SEA STATE	
PRESS SN		SBE43-Oxy (prime)				(mb)		VISIBILITY	
PRI TEMP SN		SBE43-Oxy (sec)				*		WIND DIRN.	
SEC TEMP SN		Transmissometer				(deg)		WIND SPD.	
PRI COND SN		PAR S/N				(kts)		CLOUD (amt)	
SEC COND SN		O2 Temp Sensor No.				*		TYPE	
						WEATHER		BOTTOM DEPTH	
								(m)	
								STA. NAME/ID	
								UAPD	
								72	
								MAX DEPTH =	
								m	

NIS	DEPTH	Roset.	Hydro Team-PMEL			Jessica			Sambrotto			Alexei	Lomas			Moran	Harvey	Stoeker	Katrin	NIS
			No	DESIRED	notes	SALT	Nut. Btl	O2-Btl/No	CHL	Frac CHL	DIC/Alk		DOC	Urea	Part.					
1	67			118	145															1
2	50			119		SB6	LC6													2
3	40			126		SB5	LC5													3
4	30			121		SB4	LC4													4
5	20			122		SB3	LC3													5
6	12	guide																		6
7	12																			7
8	12																			8
9	12																			9
10	12																			10
11	10			123		SB2	LC2													11
12	0			124		SB1	LC1													12

Notes: Many large red jellyfish at surface
predominant soft green at 18m, Tr at 46m (024) at 12

VESSEL		CRUISE ID		PROJECT & LEG		Ship's CTD filename		STATION NO.											
R/V Thomas G. Thompson		TN250		BEST/BSIERP_Summer'10		250xxxxx 25000401		14											
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				
1756	56.33 N	61.27.56 W		19 JUN 10 11:54		3.8	.	12	*	170	08			78	U4R21				
SBE 9+ _____ FLUOR S/N _____ PRESS SN _____ SBE43-Oxy (prine) _____ 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																			
NO	DEPTH	ROSET	Hydro Team-PMEL			Jessica			Sambrotto			Alexei	Lomas		Moran	Harvey	Stoeker	Katrin	NIS
	DESIRED	NOTES	SALT	Nut.Btl	O2-Btl/No	CHL	Frac CHL	DIC/Alk	DOC	Urea	Part.	Prod	DON	%PAR	POC	Th	Lessard		No.
1	Bot	74		125	242														1
2	56		1386	121		SB1													2
3	48			127		SB5													3
4	30			128		SB4													4
5	26			129		SB3													5
6	16			130		SB2													6
7	0			131		SB1													7
8																			8
9																			9
10																			10
11																			11
12																			12

Notes:

51 Rod again with jelly, only 1 bottle better abt 25
 to 22m (thru) 1
 51+2 went back at 72, 152 OK on upcast < 69m

VESSEL		CRUISE ID		PROJECT & LEG		Ship's CTD filename		STATION NO.	
R/V Thomas G. Thompson		TN250		BEST/BSIERP_Summer'10		250xxxxx		250001501	
CONSC CAST #		LATITUDE		LONGITUDE		TIME (GMT)		DRY BULB	
DEG		MIN		DEG		MIN		DAY	
MO		YR		HR		MIN		WET BULB	
SEC		COND SN		FLUOR S/N		PRESSURE		SEA STATE	
SBE 9+		SBE43-Oxy (prime)		SBE43-Oxy (sec)		SBE43-Oxy (sec)		VISIBILITY	
PRESS SN		SBE43-Oxy (prime)		SBE43-Oxy (sec)		SBE43-Oxy (sec)		WIND DIRN.	
PRI TEMP SN		SBE43-Oxy (prime)		SBE43-Oxy (sec)		SBE43-Oxy (sec)		WIND SPD.	
SEC TEMP SN		SBE43-Oxy (prime)		SBE43-Oxy (sec)		SBE43-Oxy (sec)		CLOUD (amt)	
PRI COND SN		SBE43-Oxy (prime)		SBE43-Oxy (sec)		SBE43-Oxy (sec)		WEATHER	
SEC COND SN		SBE43-Oxy (prime)		SBE43-Oxy (sec)		SBE43-Oxy (sec)		BOTTOM DEPTH	
O2 Temp Sensor No.		O2 Temp Sensor No.		O2 Temp Sensor No.		O2 Temp Sensor No.		STA. NAME/ID	
N/S		Roset.		Hydro Team-PMEL		Jessica		Sanbroto	
DEPT#		notes		SALT		Nuc.Bit		O2-Bit.No	
DESIRED		notes		SALT		Nuc.Bit		O2-Bit.No	
CHL		Frac CHL		DIC/Alk		DOC		Urea	
Part.		Prod		DON		Alexei		Lomas	
Moran		Harvey		Stoecker		Katrin		N/S	
Lessard		Seam		No.		No.		No.	
1		bot		133		1413		586	
2		50		133		586		156	
3		40		134		585		155	
4		30		135		584		154	
5		30		136		583		153	
6		20		137		582		152	
7		10		138		581		151	
8		0		139		580		150	
9		0		140		579		149	
10		0		141		578		148	
11		0		142		577		147	
12		0		143		576		146	

Notes:

REMARKS
jelly fish - ok eat Sal 2

VESSEL		CRUISE ID		PROJECT & LEG		Ship's CTD filename		STATION NO.	
R/V Thomas G. Thompson		TN250		BEST/BSIERP_Summer'10		250xxxxx		2 5 0 01601 019	
CONSC CAST #		LATITUDE		LONGITUDE		TIME (GMT)		DRY BULB	
DEG MIN		DEG MIN		DAY MO YR		HR MIN		(°C)	
0195750.80N		16119.78W		19 JUN 10		211104.		203.313	
SBE 9+		FLUOR S/N		TIME (GMT)		DRY BULB		WET BULB	
PRESS SN		SBE43-Oxy (prime)		PRESSURE		SEA STATE		VISIBILITY	
PRI TEMP SN		SBE43-Oxy (sec)		(mb)		*		*	
SEC TEMP SN		Transmissometer		WIND DIRN.		WIND SPD.		CLOUD (amt)	
PRI COND SN		PAR S/N		(deg)		(kts)		WEATHER	
SEC COND SN		O2 Temp Sensor No.		MAX DEPTH =		m		BOTTOM DEPTH	
NIS DEPTH		Roset.		Hydro Team-PMEL		Jessica		Sambrotto	
No DESIRED		notes		SALT		Nutr Btl		O2-Btl/No	
1 41		bottom		-139		LD5		LC5	
2 30				-140		LD4		LC4	
3 20				-141		LD3		LC3	
4 10				-142		LD2		LC2	
5 0				-138		LD1		LC1	
6									
7									
8									
9									
10									
11									
12									

Notes:

VESSEL		CRUISE ID		PROJECT & LEG		Ship's CTD filename		STATION NO.	
R/V Thomas G. Thompson		TN250		BEST/BSIERP_Summer'10		250xxxxx		2 5 001701	
CONSC CAST #		LATITUDE		LONGITUDE		TIME (GMT)		DRY BULB	
DEG		MIN		DEG		MIN		DAY	
MO		YR		HR		MIN		SEC	
WET BULB		PRESSURE		SEA STATE		VISIBILITY		WIND DIRN.	
WIND SPD.		CLOUD (amt)		TYPE		WEATHER		BOTTOM DEPTH	
STA. NAME/ID		MAX DEPTH =		m					
SBE 9+		FLUOR S/N		SBE 43-Oxy (prime)		SBE 43-Oxy (sec)		Transmissometer	
PRESS SN		SBE 43-Oxy (prime)		SBE 43-Oxy (sec)		Transmissometer		PAR S/N	
PRI TEMP SN		SBE 43-Oxy (prime)		SBE 43-Oxy (sec)		Transmissometer		PAR S/N	
SEC TEMP SN		SBE 43-Oxy (prime)		SBE 43-Oxy (sec)		Transmissometer		PAR S/N	
PRI COND SN		SBE 43-Oxy (prime)		SBE 43-Oxy (sec)		Transmissometer		PAR S/N	
SEC COND SN		SBE 43-Oxy (prime)		SBE 43-Oxy (sec)		Transmissometer		PAR S/N	
O2 Temp Sensor No.		O2 Temp Sensor No.		O2 Temp Sensor No.		O2 Temp Sensor No.		O2 Temp Sensor No.	
Roset.		Hydro Team-PMEL		Jessica		Sambrotto		Alexei	
No		DESIRED		notes		SALT		Nutr Br	
O2-Btl No		CHL		Frac CHL		DIC/Alk		DOC	
Urea		Part.		Prod		DON			
Lomas		POC		Th		Lessard		Stoeker	
Katrin		Seann		No.					
1		45		bottom		-144		-148	
2		40				-145		LD 5	
3		30				-146		LD 4	
4		20				-147		LD 3	
5		10				-148		LD 2	
6		0				-149		LD 1	
7									
8									
9									
10									
11									
12									

Notes:

VESSEL		R/V Thomas G. Thompson		CRUISE ID		TN249		TN250		PROJECT & LEG		BEST/BSIERP_Summer'10		Ship's CTD filename		250xxxxx		249		25D01801		STATION NO.		18	
CONSC CAST #		LATITUDE		LONGITUDE		TIME (GMT)		DRY BULB		WET BULB		PRESSURE		SEA STATE		VISIBILITY		WIND DIRN.		WIND SPD.		CLOUD (amt)		WEATHER	
DEG		MIN		DEG		MIN		DAY		MO		YR		HR		MIN		(°C)		(°C)		(mb)		*	
0215		71.6		74.1		16255.41		W20		JUN		10		0509		02.60		3.11		13		125		11	
SBE 9+		FLUOR S/N		SBE 43-Oxy (prine)		SBE 43-Oxy (sec)		Transmissometer		PAR S/N		O2 Temp Sensor No.		REMARKS		MAX. DEPTH =		m							
PRESS SN		SBE 43-Oxy (prine)		SBE 43-Oxy (sec)		Transmissometer		PAR S/N		O2 Temp Sensor No.		REMARKS		MAX. DEPTH =		m									
PRI TEMP SN		SBE 43-Oxy (prine)		SBE 43-Oxy (sec)		Transmissometer		PAR S/N		O2 Temp Sensor No.		REMARKS		MAX. DEPTH =		m									
SEC TEMP SN		SBE 43-Oxy (prine)		SBE 43-Oxy (sec)		Transmissometer		PAR S/N		O2 Temp Sensor No.		REMARKS		MAX. DEPTH =		m									
PRI COND SN		SBE 43-Oxy (prine)		SBE 43-Oxy (sec)		Transmissometer		PAR S/N		O2 Temp Sensor No.		REMARKS		MAX. DEPTH =		m									
SEC COND SN		SBE 43-Oxy (prine)		SBE 43-Oxy (sec)		Transmissometer		PAR S/N		O2 Temp Sensor No.		REMARKS		MAX. DEPTH =		m									
Roset.		Hydro Team-PMEL		Jessica		Weingartner		Sambrotto		Alexei		Lomas		Moran		Harvey		Lessard		Sherr		Karin		No.	
No		DESIGNED		notes		SALT		Nut.Btu		O2-Btu/No		CHL		Frac CHL		DIC/Aik		DOC		018		Urea		Part.	
1		45		bottom		-150		LD1		LC1															
2		40				-151		LD2		LC2															
3		30				-152		LD3		LC3															
4		20				-153		LD4		LC4															
5		15		SEAN																					
6		10				-154		LD5		LC5															
7		0				-155		LD6		LC6															
8																									
9																									
10																									
11																									
12																									

Notes:

VESSEL		CRUISE ID		PROJECT & LEG		Ship's CTD filename		STATION NO.	
R/V Thomas G. Thompson		TN250		BEST/BSIERP_Summer 10		250xxxxx		250 024 01 26	
CONSC CAST #		LATITUDE		LONGITUDE		TIME (GMT)		DRY BULB	
4235642.45 N		16430.54 W		24 JUN 10		1449		3.8	
DEG		MIN		DEG		MIN		WET BULB	
								(°C)	
								(°C)	
								(mb)	
								PRESSURE	
								SEA STATE	
								VISIBILITY	
								WIND DIRN.	
								(deg)	
								WIND SPD.	
								(kts)	
								CLOUD (amt)	
								TYPE	
								WEATHER	
								BOTTOM DEPTH	
								(m)	
								STA. NAME/ID	
								CNS	
SBE 9+		FLUOR S/N		SBE43-Oxy (prime)		SBE43-Oxy (sec)		Transmissometer	
PRESS SN									
PRI TEMP SN									
SEC TEMP SN									
PRI COND SN									
SEC COND SN									
02 Temp Sensor No.									
REMARKS									
MAX DEPTH =									
m									
NIS		Roset.		Hydro Team-PMEL		Jessica		Weingartner	
No.		DESIRED		notes		SALT		Nut Btl	
1		bcl				163		196	
2		5b				164		165	
3		4b				165		166	
4		3b				166		167	
5		2b				167		168	
6		1b				168		169	
7		0				169		170	
8									
9									
10									
11									
12									

Notes:

VESSEL		CRUISE ID TN249		PROJECT & LEG		Ship's CTD filename		STATION NO.	
R/V Thomas G. Thompson		TN250		BEST/BSIERP_Summer'10		250xxxxx		250 221 41	
CONSC CAST #		LATITUDE		LONGITUDE		TIME (GMT)		DRY BULB	
DEG MIN		DEG MIN		DAY MO YR		HR MIN		WET BULB	
25 56 25.60 N		65 18.30 W		20 JUN 10		19 59		4.3	
SBE 9+		FLUOR S/N		SBE43-Oxy (prime)		SBE43-Oxy (sec)		Transmissometer	
PRESS SN		PAR S/N		O2 Temp Sensor No.		SBE43-Oxy (prime)		SBE43-Oxy (sec)	
PRI TEMP SN		PAR S/N		O2 Temp Sensor No.		SBE43-Oxy (prime)		SBE43-Oxy (sec)	
SEC TEMP SN		PAR S/N		O2 Temp Sensor No.		SBE43-Oxy (prime)		SBE43-Oxy (sec)	
PRI COND SN		PAR S/N		O2 Temp Sensor No.		SBE43-Oxy (prime)		SBE43-Oxy (sec)	
SEC COND SN		PAR S/N		O2 Temp Sensor No.		SBE43-Oxy (prime)		SBE43-Oxy (sec)	
NIS		Roset		Hydro Team PMEL		Jessica		Wengert	
DEPTH		notes		SALT		Nut.Btl		O2-Btl.No	
No		DESIRED		SALT		Nut.Btl		O2-Btl.No	
1		0.01		170		LC6			
2		50		171		LC5			
3		40		172		LC4			
4		30		173		LC3			
5		20		174		LC2			
6		10		175		LC1			
7		0		176		LC1			
8									
9									
10									
11									
12									

Notes:

Cell next on interface at 32m
Upcast Sal, 1, 2 at 30 m - no good, all (2), dubious,
lots of Sal noise 30-40m

Remarks: Jellyfish off to the right with long arms

REMARKS

MAX DEPTH = 10 m

VESSEL		CRUISE ID		PROJECT & LEG		Ship's CTD filename		STATION NO.															
R/V Thomas G. Thompson		TN250		BEST/BSIERP_Summer'10		250xxxxx		25D 022 01 022															
CONSC CAST #	DEG	MIN	LATITUDE	DEG	MIN	DAY	MO	YR	HR	MIN	TIME (GMT)	DRY BULB (°C)	WET BULB (°C)	PRESSURE (mb)	SEA STATE *	VISIBILITY *	WIND DIRN. (deg)	WIND SPD. (kts)	CLOUD (amt) *	WEATHER *	BOTTOM DEPTH (m)	STA. NAME/ID	
02165607	7	85	N	166	07	63	W	24	J	U	N	10	02	24	05	11	09	123	4			110	CND12
SBE 9+		FLUOR S/N		SBE43-Oxy (prime)		SBE43-Oxy (sec)		Transmissometer		PAR S/N		O2 Temp Sensor No.		REMARKS									
PRESS SN		SBE43-Oxy (prime)		SBE43-Oxy (sec)		Transmissometer		PAR S/N		O2 Temp Sensor No.		MAX. DEPTH =											
PRI TEMP SN		SBE43-Oxy (prime)		SBE43-Oxy (sec)		Transmissometer		PAR S/N		O2 Temp Sensor No.		Snyder											
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.													
Roset.		Hydro Team-PMEL		Jessica		Weingartner		Sambrotto		Alexei		Lomas		Moran		Harvey		Carin/		Karin		Nils	
No	DEPTD	notes	SALT	Nut.Btl	O2-Btl.No	CHL	Frac.CHL	DIC/Alk	DOC	018	Urea	Part.	Prod	DON									No.
1	106	bottom		177	177						✓	✓		✓									1
2	75			178																			2
3	50			179		LD 6	LC6				✓	✓		✓									3
4	40			180		LD 5	LC5																4
5	30			181		LD 4	LC4																5
6	20			182		LD 3	LC3				✓	✓		✓									6
7	10			183		LD 2	LC2																7
8	0			184		LD 1	LC1				✓	✓		✓									8
9																							9
10																							10
11																							11
12																							12

Notes:

VESSEL	CRUISE ID	PROJECT & LEG	STATION NO.
R/V Thomas G. Thompson	TN250	BEST/BSIERP_Summer'10	023

CONSC CAST #	DEG	MIN	LONGITUDE	DEG	MIN	DAY	MO	YR	HR	MIN	TIME (GMT)	DRY BULB	WET BULB	PRESSURE	SEA STATE	VISIBILITY	WIND DIRN.	WIND SPD.	CLOUD (amt)	TYPE	WEATHER	BOTTOM DEPTH	STA. NAME/ID	
023	55	51	1010 N	16	54	57	W	21	JUN	10	04	40	05	50	5	30	7	13	31	24			134	AN14

SBE 9+	FLUOR S/N	REMARKS
PRESS SN	SBE 43-Oxy (prine)	
PRI TEMP SN	SBE 43-Oxy (sec)	
SEC TEMP SN	Transmissometer	
PRI COND SN	PAR S/N	
SEC COND SN	O2 Temp Sensor No.	

No	DEPTH	DESIGNED	notes	SALT	Nut. Btl	O2-Btl/No	CHL	Frac CHL	DIC/Alk	DOC	018	Urea	Part.	Prod	DON	Alexei	Lomas	Moran	Th	Harvey	Lessard	Sherr	Seann	No.
1	131		bottom																					1
2	100																							2
3	75																							3
4	50																							4
5	40																							5
6	30																							6
7	20																							7
8	10																							8
9	0																							9
10																								10
11																								11
12																								12

Notes:

#9 leaker
#1 top arms pushed out, sample no good

VESSEL		CRUISE ID		PROJECT & LEG		Ship's CTD filename		STATION NO.	
R/V Thomas G. Thompson		TN250		BEST/BSIERP_Summer'10		250xxxxx		250 02401	
CONSC CAST #		LATITUDE		LONGITUDE		TIME (GMT)		DRY BULB	
DEG MIN		DEG MIN		DAY MO YR		HR MIN		(°C)	
0246 5533		24 N 167 40		8 JUN 10		0948		5.7	
SBE 9+		FLUOR S/N		PRESSURE		SEA STATE		VISIBILITY	
PRESS SN		SBE43-Oxy (prime)		(mb)		*		(deg)	
PRI TEMP SN		SBE43-Oxy (sec)		WIND DIRN.		WIND SPD.		(kts)	
SEC TEMP SN		Transmissometer		CLOUD (amt)		TYPE		WEATHER	
PRI COND SN		PAR S/N		BOTTOM DEPTH		(m)		STA. NAME/ID	
SEC COND SN		O2 Temp Sensor No.		REMARKS		MAX. DEPTH =		m	
NIS DEPTH		Roset.		Hydro Team-PMEL		Jessica		Weingartner	
No DESIRED		notes		SALT		Nut.Bil		O2-Bil.No	
1 131		x1391		6		175			
2 160				7					
3 75				8					
4 50				9					
5 40				10					
6 30				11					
7 20				12					
8 10		Did not place		13					
9 5				14					
10				15					
11				16					
12				17					

Notes:

VESSEL		CRUISE ID		PROJECT & LEG		Ship's CTD filename		STATION NO.	
R/V Thomas G. Thompson		TN249		TN250		BEST/BSIERP_Summer'10		25002502	
CONSC CAST #		LATITUDE		LONGITUDE		TIME (GMT)		CN16	
DEG MIN		DEG MIN		DAY MO YR		HR MIN		DRY BULB WET BULB PRESSURE SEA STATE VISIBILITY WIND DIRN. WIND SPD. CLOUD (amt) TYPE WEATHER	
029 55 33.31 N		167 40.83 W		21 JUN 10		10 10 05		125 33 136	
SBE 9+		FLUOR S/N		REMARKS		MAX DEPTH =			
PRESS SN		SBE43-Oxy (prime)		Corrected TN filename is 25002462					
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	
DEPTH		notes		SALT		Nut. Btl		O2-Btl. No	
No		DESIRED		CHL		Frac CHL		DIC/Aik	
1		3						DOC	
2		3						018	
3		3						Urea	
4		3						Part.	
5		3						Prod	
6								DON	
7								Alexei	
8								Lomas	
9								Moran	
10								Th	
11								Harvey	
12								Carin/	
								Sherr	
								Karin	
								Seann	
								NIS	
								No.	
								1	
								2	
								3	
								4	
								5	
								6	
								7	
								8	
								9	
								10	
								11	
								12	

Notes:

originally named 25002502

VESSEL		CRUISE ID		PROJECT & LEG		Ship's CTD filename		STATION NO.	
R/V Thomas G. Thompson		TN249		TN250		BEST/BSIERP_Summer10		250xxxxx	
CONSC CAST #		LATITUDE		LONGITUDE		TIME (GMT)		DRY BULB	
DEG MIN		DEG MIN		DAY MO YR		HR MIN		(°C)	
0305.525.78 N		16 08 45 W		21 JUN 10		1229		5.7	
SEC 9+		FLUOR S/N		PRESSURE		SEA STATE		VISIBILITY	
PRESS SN		SBE43-Oxy (prime)		SEA STATE		VISIBILITY		WIND DIRN.	
PRI TEMP SN		SBE43-Oxy (sec)		SEA STATE		VISIBILITY		WIND SPD.	
SEC TEMP SN		Transmissometer		SEA STATE		VISIBILITY		CLOUD (amt)	
PRI COND SN		PAR S/N		SEA STATE		VISIBILITY		TYPE	
SEC COND SN		O2 Temp Sensor No.		SEA STATE		VISIBILITY		WEATHER	
N/S		Roset.		Hydro Team-PMEL		Jessica		Weingartner	
DEPTH		notes		SALT		Nut/Bt		O2-Bt/No	
No		DESIRED		SALT		Nut/Bt		O2-Bt/No	
1		6.7		14		107		1	
2		150		15				2 1.35	
3		100		16				3 pool	
4		75		17				4	
5		60		18				5 pool	
6		50		19				6 pool	
7		40		20				7 pool	
8		30		21				8	
9		25		22				9 pool	
10		20		23				10	
11		10		24				11	
12		0		25				12	

REMARKS

* Cast Manual to be changed to 25002501

MAX. DEPTH =

198

Notes:

25 25 60

VESSEL		CRUISE ID TN250		PROJECT & LEG		Ship's CTD filename		STATION NO.	
R/V Thomas G. Thompson		TN250		BEST/BSIERP_Summer'10		250xxxxx 250002601		26	
CONSC CAST #		LATITUDE		LONGITUDE		TIME (GMT)		DRY BULB	
DEG MIN		DEG MIN		DAY MO YR		HR MIN		WET BULB	
0325501.32N		16913.05W		21 JUN 10		221306.305.997		PRESSURE	
								SEA STATE	
								VISIBILITY	
								WIND DIRN.	
								WIND SPD.	
								CLOUD (amt)	
								TYPE	
								WEATHER	
								BOTTOM DEPTH	
								STA. NAME/ID	
								CN20	

REMARKS: Deep cast at deep stations.

NIS	DEPTH	Roset.	Hydro Team-PMEL				Jessica				Sambrotto				Alexei				Lomas				Moran				Harvey				Stoeker				Katrin				NIS
			No	DESIRED	notes	SALT	Nut Btl	O2-Btl.No	CHL	Frac CHL	DIC/Aik	DOC	Urea	Part.	Prod	DON	%PAR	POC	Th	Lessard	Seam	No.																	
	1	2335	Bottom	-	-	86	-112																1																1
	2	2000			-	87	-198																2																2
	3	1750			-	88	-205																3																3
	4	1500			-	29	-050																4																4
	5	1250			-	30	-003																5																5
	6	1100			-	31	-200																6																6
	7	1000			-	32	-220																7																7
	8	900			-	33	-074																8																8
	9	750			-	34	-217																9																9
	10	500			-	35	-088																10																10
	11	400			-	36	-226																11																11
	12	250			-	97	-207																12																12

Notes:

9 leaker

4,12 slight leak

File was originally named 25002503

VESSEL		CRUISE ID TN250		PROJECT & LEG		Ship's CTD filename		STATION NO.																																	
R/V Thomas G. Thompson		TN250		BEST/BSIERP_Summer10		250xxxxx		2 5 002703																																	
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											
0355		17.28 N		162.24.65 W		22 JUN 10		1135		5.7		.		96		*		*		164		25		*		*		1653		CN18											
DEG		MIN		DEG		MIN		DAY		MO		YR		HR		MIN		(°C)		(°C)		(mb)		*		*		(deg)		(kts)		*		*		(m)					
SBE 9+				FLUOR S/N																																					
PRESS SN				SBEA3-Oxy (prime)																																					
PRT TEMP SN				SBEA3-Oxy (sec)																																					
SEC TEMP SN				Transmissometer																																					
PRT COND SN				PAR S/N																																					
SEC COND SN				02 Temp Sensor No.																																					
NIS		DEPTH		Roset.		Hydro Team-PMEL		Jessica																																	
No		DESIRED		notes		SALT		NUT.BRI		O2-BRI.No		CHL.		Frac CHL.		DIC/ALK		DOC		Urea		Part.		Prod		DON		Alexei		Lomas		Moran		Harvey		Stoeker		Katrin		NIS	
1		bottom						6.2		X136																														1	
2		1400						6.3		X171																												2			
3		1200						6.4																														3			
4		1000		Building																																		4			
5		800		dump per				6.5		X249																												5			
6		600						6.6		X151																												6			
7		500						6.7																														7			
8		400						6.8																														8			
9		300						6.9																														9			
10		250						7.0																														10			
11		225						7.1																														11			
12		240						7.2																														12			

Notes:

VESSEL		CRUISE ID		PROJECT & LEG		Ship's CTD filename		STATION NO.	
R/V Thomas G. Thompson		TN250		BEST/BSIERP_Summer'10		250xxxxx		25002801	
CONSC CAST #		LATITUDE		LONGITUDE		TIME (GMT)		DRY BULB	
DEG		MIN		DEG		MIN		WET BULB	
03655		25.97		16803.44		W 02 JUN 10		1444	
SBE 9+		FLUOR S/N		SBE43-Oxy (prine)		SBE43-Oxy (sec)		Transmissometer	
PRESS SN		SBE43-Oxy (prine)		SBE43-Oxy (sec)		Transmissometer		PAR S/N	
PRI TEMP SN		SBE43-Oxy (prine)		SBE43-Oxy (sec)		Transmissometer		PAR S/N	
SEC TEMP SN		SBE43-Oxy (prine)		SBE43-Oxy (sec)		Transmissometer		PAR S/N	
PRI COND SN		SBE43-Oxy (prine)		SBE43-Oxy (sec)		Transmissometer		PAR S/N	
SEC COND SN		SBE43-Oxy (prine)		SBE43-Oxy (sec)		Transmissometer		PAR S/N	
O2 Temp Sensor No.		O2 Temp Sensor No.		O2 Temp Sensor No.		O2 Temp Sensor No.		O2 Temp Sensor No.	
DEPTH		Roset.		Hydro Team-PMEL		Jessica		DOC	
No		DESIRED		notes		SALT		Nut.Btl	
1		192		8-393		73		74	
2		175							
3		150							
4		125							
5		160							
6		75							
7		50							
8		46							
9		30							
10		20							
11		10							
12		0							
CHL.		Frac CHL.		DIC/AIK		DOC		Urea	
Part.		Prod		DON		Alexei		Lomas	
POC		Th		Lessard		Stockler		Katrin	
Seam		No.		No.		No.		No.	
1		1		1		1		1	
2		2		2		2		2	
3		3		3		3		3	
4		4		4		4		4	
5		5		5		5		5	
6		6		6		6		6	
7		7		7		7		7	
8		8		8		8		8	
9		9		9		9		9	
10		10		10		10		10	
11		11		11		11		11	
12		12		12		12		12	

Notes: *porpoises off stern*

11, xed to 48m

REMARKS

MAX DEPTH =

28

VESSEL		CRUISE ID		PROJECT & LEG		Ship's CTD filename		STATION NO.	
R/V Thomas G. Thompson		TN250		BEST/BSERP_Summer'10		250xxxxx		030	
CONSC CAST #		LATITUDE		LONGITUDE		TIME (GMT)		DRY BULB	
DEG MIN		DEG MIN		DAY MO YR		HR MIN		WET BULB	
0385608.75		N 16841.98		W 22 JUN 10		235005.805		904	
SBE 9+		FLUOR S/N		REMARKS		PRESSURE		SEA STATE	
PRESS SN		SBE43-Oxy (prime)				(°C)		VISIBILITY	
PRI TEMP SN		SBE43-Oxy (sec)				(°C)		WIND DIRN.	
SEC TEMP SN		Transmissometer				(mb)		WIND SPD.	
PRI COND SN		PAR S/N				* *		CLOUD (amt)	
SEC COND SN		O2 Temp Sensor No.				* *		WEATHER	
						11616		BOTTOM DEPTH	
						0462		STA. NAME/ID	
						MAX. DEPTH =		C008	
						m			

NIS	DEPTH	Roset.	Hydro Team-PMEL				Jessica				Sanbroto				Alexei	Lomas		Moran	Harvey	Stoeker	Katrin	NIS
			No	DESIRED	notes	SALT	Nut.Btl	O2-Btl.No	CHL	Frac CHL	DOC/Alk	DOC	Urea	Part.		Prod	DON					
1	455	bottom	-	97																		1
2	400			98																		2
3	300			99																		3
4	200			100																		4
5	100			101																		5
6	75			102																		6
7	50			103																		7
8	40			104																		8
9	30			105																		9
10	20			106																		10
11	10			107																		11
12	0			108																		12

Notes:

#7 Drives Popped out on top of bottle
 #8 Drives Popped out on bottom of bottle
 #11 Drives Popped out on bottom of bottle

[illegible]

Notes:

VESSEL		CRUISE ID		PROJECT & LEG		Ship's CTD filename		STATION NO.																																																																																																																																																																																																																																																																																				
R/V Thomas G. Thompson		TN250		BEST/BSIERP_Summer10		250xxxxx		33																																																																																																																																																																																																																																																																																				
CONSC CAST #	LATITUDE		LONGITUDE		TIME (GMT)		DRY BULB	WET BULB	PRESSURE																																																																																																																																																																																																																																																																																			
0415763.111N	16722.94W		23JUN10		1144		4.5	.	67																																																																																																																																																																																																																																																																																			
DEG	MIN	DEG	MIN	DAY	MO	YR	HR	MIN	(°C)																																																																																																																																																																																																																																																																																			
SBE 9+	FLUOR S/N		SBE43-Oxy (prime)		SBE43-Oxy (sec)		Transmissometer		PAR S/N																																																																																																																																																																																																																																																																																			
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REMARKS																																																																																																																																																																																																																																																																																												
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<table border="1"> <thead> <tr> <th colspan="2">Hydro Team-PMEL</th> <th colspan="2">Jessica</th> <th colspan="3">Sambrotto</th> <th>Alexei</th> <th colspan="2">Lomas</th> <th>Moran</th> <th>Harvey</th> <th>Stoeker</th> <th>Karrin</th> <th>NIS</th> </tr> <tr> <th>No</th> <th>DEPT</th> <th>notes</th> <th>SALT</th> <th>Nut.Btl</th> <th>O2-Btl/No</th> <th>CHL</th> <th>Frac CHL</th> <th>DIC/Aik</th> <th>DOC</th> <th>Urea</th> <th>Part.</th> <th>Prod</th> <th>DON</th> <th>%PAR</th> <th>POC</th> <th>Th</th> <th>Lessard</th> <th>Seam</th> <th>No.</th> </tr> </thead> <tbody> <tr> <td>1</td> <td>70</td> <td>✓</td> <td></td> <td>122</td> <td>239</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td>1</td> </tr> <tr> <td>2</td> <td>50</td> <td>✓</td> <td></td> <td>123</td> <td></td> <td>LD6</td> <td>LC6</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td>2</td> </tr> <tr> <td>3</td> <td>40</td> <td>✓</td> <td></td> <td>124</td> <td></td> <td>LD5</td> <td>LC5</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td>3</td> </tr> <tr> <td>4</td> <td>28</td> <td>✓</td> <td></td> <td>125</td> <td></td> <td>LD4</td> <td>LC4</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td>4</td> </tr> <tr> <td>5</td> <td>28</td> <td>✓</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td>5</td> </tr> <tr> <td>6</td> <td>28</td> <td>✓</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td>6</td> </tr> <tr> <td>7</td> <td>28</td> <td>✓</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td>7</td> </tr> <tr> <td>8</td> <td>28</td> <td>✓</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td>8</td> </tr> <tr> <td>9</td> <td>28</td> <td>✓</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td>9</td> </tr> <tr> <td>10</td> <td>20</td> <td>✓</td> <td></td> <td>126</td> <td></td> <td>LD3</td> <td>LC3</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td>10</td> </tr> <tr> <td>11</td> <td>10</td> <td>✓</td> <td></td> <td>127</td> <td></td> <td>LD2</td> <td>LC2</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td>11</td> </tr> <tr> <td>12</td> <td>0</td> <td>✓</td> <td></td> <td>128</td> <td></td> <td>LD1</td> <td>LC1</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td>12</td> </tr> </tbody> </table>										Hydro Team-PMEL		Jessica		Sambrotto			Alexei	Lomas		Moran	Harvey	Stoeker	Karrin	NIS	No	DEPT	notes	SALT	Nut.Btl	O2-Btl/No	CHL	Frac CHL	DIC/Aik	DOC	Urea	Part.	Prod	DON	%PAR	POC	Th	Lessard	Seam	No.	1	70	✓		122	239														1	2	50	✓		123		LD6	LC6												2	3	40	✓		124		LD5	LC5												3	4	28	✓		125		LD4	LC4												4	5	28	✓																	5	6	28	✓																	6	7	28	✓																	7	8	28	✓																	8	9	28	✓																	9	10	20	✓		126		LD3	LC3												10	11	10	✓		127		LD2	LC2												11	12	0	✓		128		LD1	LC1												12
Hydro Team-PMEL		Jessica		Sambrotto			Alexei	Lomas		Moran	Harvey	Stoeker	Karrin	NIS																																																																																																																																																																																																																																																																														
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1	70	✓		122	239														1																																																																																																																																																																																																																																																																									
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3	40	✓		124		LD5	LC5												3																																																																																																																																																																																																																																																																									
4	28	✓		125		LD4	LC4												4																																																																																																																																																																																																																																																																									
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10	20	✓		126		LD3	LC3												10																																																																																																																																																																																																																																																																									
11	10	✓		127		LD2	LC2												11																																																																																																																																																																																																																																																																									
12	0	✓		128		LD1	LC1												12																																																																																																																																																																																																																																																																									

Notes:

VESSEL		CRUISE ID		TN250		PROJECT & LEG		Ship's CTD filename		STATION NO.	
R/V Thomas G. Thompson		TN250		BEST/BSIERP_Summer'10		250xxxxx		250003401		434	

CONSC CAST #	LATITUDE			LONGITUDE			TIME (GMT)	DRY BULB	WET BULB	PRESSURE	SEA STATE	VISIBILITY	WIND DIRN.	WIND SPD.	CLOUD (amt)	WEATHER	BOTTOM DEPTH	STA. NAME/ID		
	DEG	MIN	SEC	DEG	MIN	SEC														
41	25	27	20	16	42	53	W	23	JUN	10	15	27	4	2		08		137	14	
SBE 9+ _____ FLUOR S/N _____ PRESS SN _____ SBE43-Oxy (prime) _____ PRI TEMP SN _____ SBE43-Oxy (sec) _____ SEC TEMP SN _____ Transmissometer _____ PRI COND SN _____ PAR S/N _____ SEC COND SN _____ O2 Temp Sensor No. _____																				

No	DEPTH	Roset.	notes	Hydro Team-PMEL				Jessica				Sanbroto				Alexei	Lomas		Moran	Harvey	Stoeker	Katrin	Seann	Nis	
				Nut.Btl	O2-Btl.No	CHL	Frac CHL	DIC/Aik	DOC	Urea	Part.	Prod	DON	%PAR	POC		Th	Lessard							
1	66	✓										✓	✓	✓	✓		1.5%	-7							1
2	38	✓										✓	✓	✓	✓		5%	-6							2
3	25	✓										✓	✓	✓	✓		9%	-5							3
4	24	✓										✓	✓	✓	✓		17%	-4							4
5	15	✓										✓	✓	✓	✓		30%	-3							5
6	14	✓										✓	✓	✓	✓		55%	-2							6
7	5	✓										✓	✓	✓	✓										7
8	5	✓										✓	✓	✓	✓										8
9	5	✓										✓	✓	✓	✓										9
10	5	✓										✓	✓	✓	✓										10
11	4	✓										✓	✓	✓	✓		100%	-1							11
12																									12

Notes:

Discard Sw-2

REMARKS

Prod Cast
Chl Max ~15m

MAX DEPTH =

m

VESSEL		CRUISE ID TN250		PROJECT & LEG		Ship's CTD filename		STATION NO.																																	
RV Thomas G. Thompson		TN250		BEST/BSIERP_Summer'10		250xxxxx 250		034																																	
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											
4357		20.94 N		167.2.53 W		23 JUN 10		1630		3.8		.		08		156		14										72		CNU04											
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				O2 Temp Sensor No.																																					
NIS DEPTH		Roset.		Hydro Team-PMEL		Jessica																																			
No		DESIRED		notes		SALT		Nut.Btl		O2-Btl.No		CHL.		Frac CHL.		DIC/Aik		DOC		Urea		Part.		Prod		DON		Alexei		Lomas		Moran		Harvey		Stoeker		Katrin		NIS	
1		bat		-		(B3916)		129		X182										✓		✓				✓												1			
2		50		-				130				LC6								✓		✓														2					
3		46		-				131				LC5																								3					
4		30		-				132				LC4																								4					
5		20		-				133				LC3																								5					
6		10		-				134				LC2																								6					
7		φ		-				135				LC1																								7					
8																																				8					
9																																				9					
10																																				10					
11																																				11					
12																																				12					

Notes:

VESSEL		CRUISE ID		PROJECT & LEG		Ship's CTD filename		STATION NO.	
R/V Thomas G. Thompson		TN250		BEST/BSIERP_Summer'10		250xxxxx		2 5 003501	
CONSC CAST #		LATITUDE		LONGITUDE		TIME (GMT)		DRY BULB	
DEG		MIN		DEG		MIN		WET BULB	
14		57		16		37		103	
38		98		N		W		209	
1		1		1		1		0	
2		2		2		2		2	
3		3		3		3		3	
4		4		4		4		4	
5		5		5		5		5	
6		6		6		6		6	
7		7		7		7		7	
8		8		8		8		8	
9		9		9		9		9	
10		10		10		10		10	
11		11		11		11		11	
12		12		12		12		12	

SBE 9+		FLUOR S/N		REMARKS	
PRESS SN		SBE43-Oxy (prine)			
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		Sambrotto		Alexei		Lomas		Moran		Harvey		Stocker		Katrin		NIS																			
No		DEPT		notes		SALT		Nut.Btl		O2-Btl.No		CHL.		Frac CHL.		DIC/Alk		DOC		Urea		Part.		Prod		DON		Alexei		Lomas		Moran		Harvey		Stocker		Katrin		NIS	
1		62		bottom				136				LC 6																										1			
2		50						137				LC 6																								2					
3		40						138				LC 5																								3					
4		30						139				LC 4																								4					
5		20						140				LC 3																								5					
6		10						141				LC 2																								6					
7		0						142				LC 1																								7					
8																																				8					
9																																				9					
10																																				10					
11																																				11					
12																																				12					

Notes:

VESSEL		CRUISE ID		TN250		PROJECT & LEG		Ship's CTD filename		STATION NO.	
R/V Thomas G. Thompson		TN250		BEST/BSIERP_Summer'10		250xxxxx		2 5 0 03601		36	

CONSC CAST #	LATITUDE		LONGITUDE		TIME (GMT)	DRY BULB (°C)	WET BULB (°C)	PRESSURE (mb)	SEA STATE *	VISIBILITY *	WIND DIRN. (deg)	WIND SPD. (kts)	CLOUD (amt) *	WEATHER *	BOTTOM DEPTH (m)	STA. NAME/ID
	DEG	MIN	DEG	MIN												
0455757.04	N	16613.38	W	2410	003303.703	409					111110				0062	CNN2

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

No	DEPTH DESIRED	Roset. notes	SALT	Nut.Btl	O2-Btl.No	CHL.	Frac CHL.	DIC/Alk	DOC	Sanbroto			Alexei	Lomas			Moran	Harvey	Stoeker	Katrin	Seann	Nls No.
										Urea	Part.	Prod		DON	%PAR	POC						
1	56	Bottom -	-	-	-																1	
2	50		-	-	-																2	
3	40		-	-	-																3	
4	30		-	-	-																4	
5	20		-	-	-																5	
6	10		-	-	-																6	
7	0		-	-	-																7	
8																					8	
9																					9	
10																					10	
11																					11	
12																					12	

Notes:

Not sampled - trace forked by jillies see notes on 25003602

VESSEL		CRUISE ID		PROJECT & LEG		Ship's CTD Name		STATION NO.	
R/V Thomas G. Thompson		TN250		BEST/BSIRP_Summer10		250xxxxx		25003602	
CONSC CAST #		LATITUDE		LONGITUDE		TIME (GMT)		DRY BULB	
0465757.04		N		16613.30		W		24 JUN 10	
DEG		MIN		DEG		MIN		DAY	
MO		YR		HR		MIN		SEC	
01		03		03		03		03	
WET BULB		PRESSURE		SEA STATE		VISIBILITY		WIND DIRN.	
11410		11410		11410		11410		11410	
WIND SPD.		CLOUD (amt)		TYPE		WEATHER		BOTTOM DEPTH	
0062cm		0062cm		0062cm		0062cm		0062cm	
STA. NAME/ID		CAN/2		CAN/2		CAN/2		CAN/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		02 Temp Sensor No.							
NIS		Roset.		Hydro Team-PMEL		Jessica		Sambrotto	
No		DESIRE		SALT		Nut.BRI		02-BRI.No	
1		55		bottom		-143		-147	
2		50				-144		SB6	
3		40				-143		SB5	
4		30				-146		SB4	
5		20				-144		SB3	
6		10				-148		SB2	
7		0				-149		SB1	
8									
9									
10									
11									
12									

Notes:

Second cast at same location. Jellies all over first cast, including one intact. Jelly fish interference on this cast but nowhere near as tall. CTD package was held off on back between casts (salt water) and wiped w/paper towels. No time was lost as MMS55 was e-terminated for another try at this location.

VESSEL		CRUISE ID		PROJECT & LEG		Ship's CTD filename		STATION NO.	
R/V Thomas G. Thompson		TN250		BEST/BSERP_Summer'10		250xxxxx 2 5 0 03701		37	

CONSC CAST #	LATITUDE		LONGITUDE		TIME (GMT)	DRY BULB	WET BULB	PRESSURE	SEA STATE	VISIBILITY	WIND DIRN.	WIND SPD.	CLOUD (amt)	TYPE	WEATHER	BOTTOM DEPTH	STA. NAME/ID	
	DEG	MIN	DEG	MIN														DAY
0475815.08 N			16548.00 W		24 JUN 10	053604.11	02.909				11711						0047	CNV1

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				Sambrotto				Alexei	Lomas		Moran	Harvey	Stoeker	Katrin	NIS
			No.	DESIRED	notes	SALT	Nut:Bt	O2-Bt/No	CHL	Frac CHL	DIC/Alk	DOC	Urea	Part.		Prod	DON					
1	41	bottom		-150			SB5														1	
2	30			-151			SB4														2	
3	20			-152			SB3														3	
4	10			-153			SB2														4	
5	0			-154	147		SB1														5	
6																					6	
7																					7	
8																					8	
9																					9	
10																					10	
11																					11	
12																					12	

Notes:

VESSEL		CRUISE ID		PROJECT & LEG		Ship's CTD filename		STATION NO.														
R/V Thomas G. Thompson		TN250		BEST/BSIERP_Summer'10		250xxxxx		439														
CONSC CAST #	DEG	MIN	DEG	MIN	DAY	MO	YR	HR	MIN	TIME (GMT)	DRY BULB	WET BULB	PRESSURE	SEA STATE	VISIBILITY	WIND DIRN.	WIND SPD.	CLOUD (amt)	TYPE	WEATHER	BOTTOM DEPTH	STA. NAME/ID
4959	12.58	N	16736.15	W	24	JUN	10	15	20	4.4			110	*	*	57	9				39	NP1
SBE 9+		FLUOR S/N		SBE43-Oxy (prime)		SBE43-Oxy (sec)		Transmissometer		PAR S/N		O2 Temp Sensor No.		REMARKS								
PRESS SN		SBE43-Oxy (prime)		SBE43-Oxy (sec)		Transmissometer		PAR S/N		O2 Temp Sensor No.		Start at 10, up to surface, down to 18, up to 10, down to bottom (235)										
PRI TEMP SN		SBE43-Oxy (prime)		SBE43-Oxy (sec)		Transmissometer		PAR S/N		O2 Temp Sensor No.		MAX DEPTH =										
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	Sambrotto	Alexei	Lomas	Moran	Harvey	Stoeker	Katrin	NIS								
No	DESIRED	notes	SALT	Nut Btl	O2-Btl.No	CHL	Frac CHL	DIC/Alk	DOC	Urea	Part.	Prod	DON	%PAR	POC	Th	Lessard		Seann	No.
1	33			Q1						✓	✓	✓	✓							1
2	21			Q2						✓	✓	✓	✓							2
3	17			Q3						✓	✓	✓	✓							3
4	13			Q4						✓	✓	✓	✓							4
5	9			Q5						✓	✓	✓	✓							5
6	4																			6
7	4																			7
8	4																			8
9	4			Q6						✓	✓	✓	✓							9
10	0	3.1		Q7						✓	✓	✓	✓							10
11																				11
12																				12

Notes:

Par 1.66

4 - 2
9
13
12
21
33

VESSEL		CRUISE ID TN250		PROJECT & LEG		Ship's CTD filename		STATION NO.																																	
R/V Thomas G. Thompson		TN250		BEST/BSERP_Summer10		250xxxxx 250		039 02																																	
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											
0505917.48		17.48 N		16736.15 W		24 JUN 10		1626		4.4		10		4		4		3		4		3		4		3		4		3											
SSE 9+		FLUOR S/N		SBE43-Oxy (prime)		SBE43-Oxy (sec)		Transmissometer		PAR S/N		PAR S/N		PAR S/N		PAR S/N		PAR S/N		PAR S/N		PAR S/N		PAR S/N		PAR S/N		PAR S/N		PAR S/N											
PRESS SN		PRESS SN		PRESS SN		PRESS SN		PRESS SN		PRESS SN		PRESS SN		PRESS SN		PRESS SN		PRESS SN		PRESS SN		PRESS SN		PRESS SN		PRESS SN		PRESS SN		PRESS SN											
PRI TEMP SN		PRI TEMP SN		PRI TEMP SN		PRI TEMP SN		PRI TEMP SN		PRI TEMP SN		PRI TEMP SN		PRI TEMP SN		PRI TEMP SN		PRI TEMP SN		PRI TEMP SN		PRI TEMP SN		PRI TEMP SN		PRI TEMP SN		PRI TEMP SN		PRI TEMP SN											
SEC TEMP SN		SEC TEMP SN		SEC TEMP SN		SEC TEMP SN		SEC TEMP SN		SEC TEMP SN		SEC TEMP SN		SEC TEMP SN		SEC TEMP SN		SEC TEMP SN		SEC TEMP SN		SEC TEMP SN		SEC TEMP SN		SEC TEMP SN		SEC TEMP SN		SEC TEMP SN											
PRI COND SN		PRI COND SN		PRI COND SN		PRI COND SN		PRI COND SN		PRI COND SN		PRI COND SN		PRI COND SN		PRI COND SN		PRI COND SN		PRI COND SN		PRI COND SN		PRI COND SN		PRI COND SN		PRI COND SN		PRI 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		Urea		Part.		Prod		DON		Alexei		Lomas		Moran		Harvey		Stoeker		Katrin		Seann		NIS											
No DESIRED		notes		SALT		Nut.Btl		O2-Btl.No		CHL.		Frac CHL.		DIC/Alk		DOC		Urea		Part.		Prod		DON		Alexei		Lomas		Moran		Harvey		Stoeker		Katrin		Seann		NIS	
1 35		✓		164		S85		✓		✓		✓		✓		✓		✓		✓		✓		✓		✓		✓		✓		✓		✓		✓		✓			
2 30				161		S84		✓		✓		✓		✓		✓		✓		✓		✓		✓		✓		✓		✓		✓		✓		✓		✓			
3 20				162		S83		✓		✓		✓		✓		✓		✓		✓		✓		✓		✓		✓		✓		✓		✓		✓		✓			
4 16		Sning		163		S82		✓		✓		✓		✓		✓		✓		✓		✓		✓		✓		✓		✓		✓		✓		✓		✓			
5 10		Sning		164		S81		✓		✓		✓		✓		✓		✓		✓		✓		✓		✓		✓		✓		✓		✓		✓		✓			
6 0																																									
7																																									
8																																									
9																																									
10																																									
11																																									
12																																									

Notes:

Both S40-ing budget out.

VESSEL		CRUISE ID		PROJECT & LEG		Ship's CTD filename		STATION NO.	
R/V Thomas G. Thompson		TN250		BEST/BSERP_Summer'10		250xxxxx 2 5 0		Φ4Φ Φ1	
CONSC CAST #		LATITUDE		LONGITUDE		TIME (GMT)		DRY BULB	
DEG MIN		DEG MIN		DAY MO YR		HR MIN		(°C)	
0515903.57N		16752.95W		24 JUN 10		200401.8		01.811	
SBE 9+		FLUOR S/N		REMARKS		PRESSURE		SEA STATE	
PRESS SN		SBE43-Oxy (prime)				(mb)		*	
PRI TEMP SN		SBE43-Oxy (sec)				VISIBILITY		WIND DIRN.	
SEC TEMP SN		Transmissometer				(deg)		(kts)	
PRI COND SN		PAR S/N				CLOUD (amt)		WEATHER	
SEC COND SN		O2 Trip Sensor No.				TYPE		BOTTOM DEPTH	
						MAX. DEPTH =		(m)	
								STA. NAME/ID	
								NP2	

NIS	DEPTH	Roset.	Hydro Team-PMEL				Jessica				Sambrotto				Alexei	Lomas		Moran	Harvey	Stoeker	Katrin	Seann	NIS
			No	DESIRED	notes	SALT	Nut.Btl	O2-Btl.No	CHL.	Frac CHL.	DIC/AIK	DOC	Urea	Part.		Prod	DON						
1	37	bottom		-165	-231	LC5	/	/	/													1	
2	30			-166		LC4	/	/	/													2	
3	20			-167		LC3	/	/	/													3	
4	10			-168		LC2	/	/	/													4	
5	0			-169		LC1	/	/	/													5	
6																						6	
7																						7	
8																						8	
9																						9	
10																						10	
11																						11	
12																						12	

Notes:

VESSEL		CRUISE ID		TN250		PROJECT & LEG		BEST/BSIERP_Summer10		Ship's CTD filename		250xxxxx		2 5 004101		STATION NO.		041																					
R/V Thomas G. Thompson		TN250																																					
CONSC CAST #		LATITUDE		LONGITUDE		TIME (GMT)		DRY BULB		WET BULB		PRESSURE		SEA STATE		VISIBILITY		WIND DIRN.		WIND SPD.		CLOUD (amt)		TYPE		WEATHER		BOTTOM DEPTH		STA. NAME/ID									
DEG		MIN		DEG		MIN		DAY		MO		YR		HR		MIN		(°C)		(°C)		(mb)		*		*		(deg)		(kts)		*		*		(m)		MP3	
058		5849.52		N		16809.51		W		24		JUN		10		22		19		02		30		2		11		35		67		8		0045					
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		PRESS SN		SBE43-Oxy (prime)		SBE43-Oxy (sec)		Transmissometer		PAR S/N		O2 Temp Sensor No.																											
PRI TEMP SN		PRI TEMP SN		SBE43-Oxy (prime)		SBE43-Oxy (sec)		Transmissometer		PAR S/N		O2 Temp Sensor No.																											
SEC TEMP SN		SEC TEMP SN		SBE43-Oxy (prime)		SBE43-Oxy (sec)		Transmissometer		PAR S/N		O2 Temp Sensor No.																											
PRI COND SN		PRI COND SN		SBE43-Oxy (prime)		SBE43-Oxy (sec)		Transmissometer		PAR S/N		O2 Temp Sensor No.																											
SEC COND SN		SEC COND SN		SBE43-Oxy (prime)		SBE43-Oxy (sec)		Transmissometer		PAR S/N		O2 Temp Sensor No.																											

NIS	DEPTH	Roset.	Hydro Team-PMEL				Jessica				Sambrotto				Alexei	Lomas				Moran	Harvey	Stoeker	Katrín	Seann	NIS
			DESIRED	notes	SALT	Nut.Btl	O2-Btl.No	CHL	Frac CHL	DIC/Alk	DOC	Urea	Part.	Prod		DON	%PAR	POC	Th						
1	40	bottom		-130		LD5					✓	✓													1
2	30			-131		LD4					✓	✓													2
3	20			-132		LD3					✓	✓													3
4	10			-133		LD2					✓	✓													4
5	0			-134		LD1					✓	✓													5
6																									6
7																									7
8																									8
9																									9
10																									10
11																									11
12																									12

Notes:

VESSEL		CRUISE ID TN250		PROJECT & LEG		Ship's CTD filename		STATION NO.	
R/V Thomas G. Thompson		TN250		BEST/BSIERP_Summer'10		250xxxxx		25004201	
CONSC CAST #		LATITUDE		LONGITUDE		TIME (GMT)		DRY BULB	
DEG MIN		DEG MIN		DAY MO YR		HR MIN		(°C)	
0535835.61 N		16825.54 W		25 JUN 10		004904		002.411	
SBE 9+		FLUOR S/N		SBEA3-Oxy (prime)		SBEA3-Oxy (sec)		Transmissometer	
PRESS SN		PAR S/N		Q2 Temp Sensor No.		REMARKS		MAX. DEPTH =	
PIL TEMP SN		PIL COND SN		PIL COND SN		PIL COND SN		PIL COND SN	
SEC TEMP SN		SEC COND SN		SEC COND SN		SEC COND SN		SEC COND SN	
PIL COND SN		PIL COND SN		PIL COND SN		PIL COND SN		PIL COND SN	
SEC COND SN		SEC COND SN		SEC COND SN		SEC COND SN		SEC COND SN	
NIS DEPTH		Roset.		Hydro Team-PMEL		Jessica		Sambrotto	
No. DESIRED		notes		SALT		Nut. Bit		O2-Bit/No	
1 51		604pm - B400		-135		-050		LC6	
2 40				-176				LC5	
3 30				-177				LC4	
4 20				-178				LC3	
5 10				-179				LC2	
6 0				-180				LC1	
7									
8									
9									
10									
11									
12									

Notes:

VESSEL		CRUISE ID TN250		PROJECT & LEG		Ship's CTD filename		STATION NO.	
R/V Thomas G. Thompson		TN250		BEST/BSIERP_Summer'10		250xxxxx		2 5 004301	
CONSC CAST #		LATITUDE		LONGITUDE		TIME (GMT)		DRY BULB	
DEG MIN		DEG MIN		DAY MO YR		HR MIN		WET BULB	
0545821.75 N		16842.69 W		25 JUN 10		030102.604.1111		33311	
SSE 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		02 Temp Sensor No.		REMARKS		MAX DEPTH =		m	
NIS DEPTH		Roset.		Hydro Team-PMEL		Jessica		Sambrotto	
No DESIRED		notes		SALT		Nut.Btl		O2-Btl.No	
1 62 bottom		-181		LC6		/		/	
2 50		-182		LC6		/		/	
3 40		-183		LC5		/		/	
4 30		-184		LC4		/		/	
5 25		-185		LC3		/		/	
6 20		-186		LC3		/		/	
7 10		-187		LC2		/		/	
8 0		-188		LC1		/		/	
9									
10									
11									
12									

Notes:
#3 bottom coming out
#5 top coming out

VESSEL		CRUISE ID TN250		PROJECT & LEG		Ship's CTD filename		STATION NO.	
R/V Thomas G. Thompson		TN250		BEST/BSERP_Summer'10		250xxxxx 2 5 0 04401		044	

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	
0555807.84 N		16858.36 W		25 JUN 10		053202.203		1612		32012		0071																		NDB	

SSE 9+		FLUOR S/N		SBE43-Oxy (prime)		SBE43-Oxy (sec)		Transmissometer		PAR S/N		SEC COND SN		O2 Temp Sensor No.		REMARKS		MAX. DEPTH =	

DEPTH		Roset.		Hydro Team-PMEL		Jessica		Sambrotto		Alexei		Lomas		Moran		Harvey		Stoeker		Katrin		Nis	
No	DESIRED	notes	SALT	Nut.Btl	O2-Btl.No	CHL.	Frac CHL.	DIC/Aik	DOC	Urea	Part.	Prod	DON	%PAR	POC	Th	Lessard		Seann	No.			
1	106	bottom	-189	-		LD 4		/												1			
2	50		-1			LD 4														2			
3	40		-2			LD 5														3			
4	30		-3			LD 4														4			
5	25		-4																	5			
6	20		-5			LD 3		/												6			
7	10		-6			LD 2		/												7			
8	0		-8401	-7	229	LD 1		/												8			
9																				9			
10																				10			
11																				11			
12																				12			

Notes:

VESSEL		CRUISE ID		PROJECT & LEG		Ship's CTD filename		STATION NO.	
R/V Thomas G. Thompson		TN250		BEST/BSERP-Summer10		250xxxxy 250		047	
CONSC CAST #		LATITUDE		LONGITUDE		TIME (GMT)		DRY BULB	
DEG MIN		DEG MIN		DAY MO YR		HR MIN		WET BULB	
05 857 26.33 N		1 69 48.99 W		25 JUN 10		1449 3.2		15	
SBE 9+		FLUOR S/N		REMARKS		PRESSURE		SEA STATE	
PRESS SN		SBE43-Oxy (prime)				VISIBILITY		WIND DIRN	
PRI TEMP SN		SBE43-Oxy (sec)				(deg)		WIND SPD	
SEC TEMP SN		Transmissometer				(deg)		(kts)	
PRI COND SN		PAR S/N				* * *		* * *	
SEC COND SN		O2 Temp Sensor No.				* * *		* * *	
						MAX. DEPTH =		m	

N/S	DEPTH	Roset.	Hydro Team-PMEL				Jessica				Sambrotto				Alexei	Lomas		Moran	Harvey	Stocker	Katrin	N/S
			No	DESIRD	notes	SALT	Nut.BI	O2-BI.No	CHL	Frac CHL	DIC/ALK	DOC	Urea	Part.		Prod	DON					
1	63	✓			23	173			X	X	✓	✓						1				1
2	50	✓			24			LC4									20.1				2	
3	46	✓			25			LC5	X	X											3	
4	30	✓			26												3 POC				4	
5	28	✓			27			LC4	X	X	✓	✓									5	
6	20	✓			28			LC3	X	X							4				6	
7	10	✓			29			LC2	X	X							5				7	
8	0	✓			90			LC1	X	X							6 POC				8	
9																					9	
10																					10	
11																					11	
12																					12	

Notes:

→ clear in-GX

VESSEL		CRUISE ID		PROJECT & LEG		Ship's CTD filename		STATION NO.	
R/V Thomas G. Thompson		TN250		BEST/BSIERP_Summer'10		250xxxxx		250 047 02	
CONSC CAST #		LATITUDE		LONGITUDE		TIME (GMT)		DRY BULB	
DEG		MIN		DEG		MIN		(°C)	
0595726.33		N		16949.44		W		2510	
1542		3.3		.		.		.	
15		(mb)		PRESSURE		SEA STATE		VISIBILITY	
30012		(deg)		WIND DIRN.		WIND SPD.		CLOUD (amt)	
146		(m)		BOTTOM DEPTH		WEATHER		TYPE	
NP9		STA. NAME/ID		NP9		NP9		NP9	
SBE 9+		FLUOR S/N		SBE43-Oxy (prine)		SBE43-Oxy (sec)		Transmissometer	
PRESS SN		PRI TEMP SN		SEC TEMP SN		PRI COND SN		SEC COND SN	
O2 Temp Sensor No.		O2 Temp Sensor No.		O2 Temp Sensor No.		O2 Temp Sensor No.		O2 Temp Sensor No.	
NIS		Roset.		Hydro Team-PHEL		Jessica		Alexei	
No		DESIRED		SALT		Nut.Btl		O2-Btl.No	
1		46		Q1		Q2		Q3	
2		30		Q1		Q2		Q3	
3		26		Q1		Q2		Q3	
4		24		Q1		Q2		Q3	
5		18		Q1		Q2		Q3	
6		12		Q1		Q2		Q3	
7		12		Q1		Q2		Q3	
8		6		Q1		Q2		Q3	
9		6		Q1		Q2		Q3	
10		6		Q1		Q2		Q3	
11		0		Q1		Q2		Q3	
12		0		Q1		Q2		Q3	
Urea		Part.		Prod		DON		Alexei	
15%		5%		9%		17%		Lomas	
POC		Th		Lessard		Stoeker		Katrin	
Seann		No.		No.		No.		No.	
1		2		3		4		5	
6		7		8		9		10	
11		12		13		14		15	

Notes:

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VESSEL		CRUISE ID		TN250		PROJECT & LEG		BEST/BSERP_Summer'10		Ship's CTD filename		250xxxxx		25004801		STATION NO.		48	
R/V Thomas G. Thompson		TN250																	

CONSC CAST #	LATITUDE			LONGITUDE			TIME (GMT)	DRY BULB (°C)	WET BULB (°C)	PRESSURE (mb)	SEA STATE * * *	VISIBILITY * * *	WIND DIRN. (deg)	WIND SPD. (kts)	CLOUD (amt) * * *	WEATHER * * *	BOTTOM DEPTH (m)	STA. NAME/ID	
	DEG	MIN		DEG	MIN														HR
06057	12	71	N	17	44	W	0843	3	9		16							44	NPIB

SBE 9+	FLUOR S/N	REMARKS
PRESS SN	SBE43-Oxy (prime)	Oxygen bottle 2 (DACH) pump study
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	Roset. notes	SALT	Nut.Btl	O2-Btl.No	CHL.	Frac CHL.	DIC/Alk	DOC	Urea	Sambrotto			Alexei	Lomas			Moran	Harvey	Stocker	Katrin	Seann	No.
											Part.	Prod	DON		%PAR	POC	Th						
1	39	bulge during bottle	31			LC4																	1
2	30		34			LC4																	2
3	20		342			LC3																	3
4	16		343			LC2																	4
5	0		34	206	LC1																		5
6																							6
7																							7
8																							8
9																							9
10																							10
11																							11
12																							12

Notes:

VESSEL		CRUISE ID		PROJECT & LEG		Ship's CTD filename		STATION NO.	
R/V Thomas G. Thompson		TN250		BEST/BSERP_Summer'10		250xxxxx		250 0449 01	
CONSC CAST #		LATITUDE		LONGITUDE		TIME (GMT)		DRY BULB	
DEG MIN		DEG MIN		DAY MO YR		HR MIN		(°C)	
06151658.58 N		17017.19 W		25 JUN 10		224603.80		2.517	
SBE 9+		FLUOR S/N		REMARKS		WET BULB		(°C)	
PRESS SN		SBE43-Oxy (prime)				PRESSURE		(mb)	
PRI TEMP SN		SBE43-Oxy (sec)				SEA STATE		*	
SEC TEMP SN		Transmissometer				VISIBILITY		*	
PRI COND SN		PAR S/N				WIND DIRN.		(deg)	
SEC COND SN		O2 Temp Sensor No.				WIND SPD.		(kts)	
						CLOUD (amt)		*	
						TYPE		*	
						WEATHER			
						BOTTOM DEPTH		(m)	
						MAX. DEPTH =		m	
NIS DEPTH		Roset.		Hydro Team-PMEL		Jessica			
NO DESIRED		notes		SALT		Nut.Btl		O2-Btl.No	
1 66		bottom		-35		-172		SB6	
2 50				-36				SB5	
3 40				-37				SB4	
4 30				-38				SB3	
5 20				-39				SB2	
6 10				-X				SB1	
7 0				-40					
8									
9									
10									
11									
12									

Notes:

#6 Oring bulged on top

VESSEL		CRUISE ID TN250		PROJECT & LEG		Ship's CTD filename		STATION NO.	
R/V Thomas G. Thompson		TN250		BEST/BSIERP_Summer'10		25000000 25005001		050	
CONSC CAST #		LATITUDE		LONGITUDE		TIME (GMT)		DRY BULB	
DEG MIN		DEG MIN		DAY MO YR		HR MIN		WET BULB	
06 25 64.4		74 N		170 32.76 W		20 02 04.5		03.417	
SBE 9+		FLUOR S/N		REMARKS		PRESSURE		SEA STATE	
PRESS SN		SBE43-Oxy (prime)				(mb)		VISIBILITY	
PRI TEMP SN		SBE43-Oxy (sec)				*		WIND DIRN.	
SEC TEMP SN		Transmissometer				(deg)		WIND SPD.	
PRI COND SN		PAR S/N				(kts)		CLOUD (amt)	
SEC COND SN		02 Temp Sensor No.				*		TYPE	
						WIND DIRN.		WEATHER	
						(deg)		BOTTOM DEPTH	
						WIND SPD.		STA. NAME/ID	
						(kts)		107	
						CLOUD (amt)			
						TYPE			
						WEATHER			
						BOTTOM DEPTH			
						(m)			
						MAX DEPTH =			
						m			

NIS	DEPTH	Roset.	Hydro Team-PMEL	Jessica	Sambrotto	Alexei	Lomas	Moran	Harvey	Stoeker	Katrin	NIS	
No	DESIRED	notes	SALT	Nut.Btl	O2-Btl.No	CHL.	Frac CHL.	DIC/ALK	DOC	Urea	Part.	Prod	DON
1	103	bottom	-	-41	(-41)					✓	✓		✓
2	75			-49						✓	✓		✓
3	50			-43		SB6	LD6			✓	✓		✓
4	40			-44		SB5	LD5			✓	✓		✓
5	33			-45		SB4	LD4			✓	✓		✓
6	25			-46									
7	20			-47		SB3	LD3						
8	15			-48									
9	10			-49		SB2	LD2						
10	0			-50		SB1	LD1			✓	✓		✓
11													
12													

Notes:

06e 014 9?

06e after the last yoo

VESSEL		CRUISE ID		PROJECT & LEG		Ship's CTD filename		STATION NO.	
R/V Thomas G. Thompson		TN250		BEST/BSIERP_Summer'10		250xxxxx		2 5 0 05201	
CONSC CAST #		LATITUDE		LONGITUDE		TIME (GMT)		DRY BULB	
DEG MIN		DEG MIN		DAY MO YR		HR MIN		(°C)	
0645617.04		N 171.03.75		W 26 J U N 1 0		073405.11		06.019	
SBE 9+		FLUOR S/N		REMARKS		PRESSURE		SEA STATE	
PRESS SN		SBE43-Oxy (prtnr)				* *		VISIBILITY	
PRI TEMP SN		SBE43-Oxy (sec)				(deg)		WIND DIRN.	
SEC TEMP SN		Transmissometer				(kts)		WIND SPD.	
PRI COND SN		PAR S/N				* *		CLOUD (amt)	
SEC COND SN		O2 Temp Sensor No.				* *		WEATHER	
						MAX. DEPTH =		BOTTOM DEPTH	
								STA. NAME/ID	
								12P14	

No	DEPT H	Roset.	Hydro Team-PMEL				Jessica				Sanbroto				Alexei	Lomas			Moran	Harvey	Stoeker	Katrin	Sean	No.	
			notes	SALT	Nut Btl	O2-Btl.No	CHL.	Frac CHL.	DIC/Aik	DOC	Urea	Part.	Prod	DON		%PAR	POC	Th							Lessard
1		Bottom			-60																				1
2	100				-61																				2
3	75				-62																				3
4	50				-63																				4
5	40				-64																				5
6	30				-65																				6
7	20				-66																				7
8	10				-67																				8
9	0				-68																				9
10																									10
11																									11
12																									12

Notes:

VESSEL		CRUISE ID		PROJECT & LEG		Ship's CTD filename		STATION NO.	
R/V Thomas G. Thompson		TN250		BEST/BSIERP_Summer'10		250xxxxx		250 Q53 41	
CONSC CAST #		LATITUDE		LONGITUDE		TIME (GMT)		DRY BULB	
DEG MIN		DEG MIN		DAY MO YR		HR MIN		WET BULB	
0655 15.27 N		171 06.58 W		26 JUN 10		0835		5.1	
SBE 9+		FLUOR S/N		REMARKS		PRESSURE		SEA STATE	
PRESS SN		SBE43-Oxy (prime)		Sediment Temp Doplogames		(mb)		VISIBILITY	
PRI TEMP SN		SBE43-Oxy (sec)		24 mms of NP14		*		WIND DIRN.	
SEC TEMP SN		Transmissometer				20		(deg)	
PRI COND SN		PAR S/N				293		(kts)	
SEC COND SN		O2 Temp Sensor No.				19		CLOUD (amt)	
						TYPE		WEATHER	
						WIND SPD.		BOTTOM DEPTH	
						MAX. DEPTH =		190	
								STA. NAME/ID	
								NP15/102	

NIS	DEPTH	Roset.	Hydro Team-PMEL				Jessica				Sambrotto				Alexei	Lomas		Moran	Harvey	Stoeker	Katrin	NIS
			No.	DESIRED	notes	SALT	Nut.Bri	O2-Bri/No	CHL.	Frac CHL.	DIC/Alk	DOC	Urea	Part.		Prod	DON					
1	001				69	216																1
2	150				70																	2
3	106				71																	3
4	75				72																	4
5	100-50				73																	5
6	50				74																	6
7	40				75																	7
8	25				76																	8
9	20				77																	9
10	14				78																	10
11	10				79																	11
12	0				80																	12

Notes:

W2 forgot to fire 60m bottles, so went back down + fired 7

W2

25

64

Chl - good
Chl 500

VESSEL		CRUISE ID		PROJECT & LEG		Ship's CTD filename		STATION NO.	
R/V Thomas G. Thompson		TN250		BEST/BSERP_Summer'10		250xxxxx 2 5 0 453 452		453	
CONSC CAST #	LATITUDE		LONGITUDE		TIME (GMT)		DRY BULB	WET BULB	PRESSURE
06656	15.27 N	17106.67 W	26 JUN 10	1115	5.1	24	30	15	195
DEG	MIN	DEG	MIN	DAY	MO	YR	HR	MIN	(°C)
195	10	67	26	15	06	10	11	15	5.1
REMARKS									
Blip in T at ~ 22m is remnant of feature at last cast									
SBE 9+	FLUOR S/N		SBE43-Oxy (prine)		SBE43-Oxy (sec)		Transmissometer		PAR S/N
PRESS SN	PRT TEMP SN		PRT COND SN		PRT COND SN		PRT COND SN		02 Temp Sensor No.
DEPT	Roset.	SALT	Nut Btl	O2-Btl No	CHL	Frac CHL	DOC	Urea	Part.
1	190	3405							
2	160								
3	60								
4	40								
5	40								
6	40								
7	14								
8	14								
9									
10									
11									
12									

Notes: 5508 = 32.11

14
40-3
60
100

VESSEL		CRUISE ID TN250		PROJECT & LEG		Ship's CTD filename		STATION NO.	
R/V Thomas G. Thompson		TN250		BEST/BSERP_Summer10		250xxxxx 25005303		53	
CONSC CAST #		LATITUDE		LONGITUDE		TIME (GMT)		DRY BULB	
DEG MIN		DEG MIN		DAY MO YR		HR MIN		(°C)	
0615615.28N		17106.53W		26 JUN 10		1441		4.9	
SBE 9+		FLUOR S/N		REMARKS		WET BULB		(°C)	
PRESS SN		SBE43-Oxy (prime)				PRESSURE		(mb)	
PTI TEMP SN		SBE43-Oxy (sec)				SEA STATE		*	
SEC TEMP SN		Transmissometer				VISIBILITY		*	
PTI COND SN		PAR S/N				WIND DIRN.		(deg)	
SEC COND SN		O2 Temp Sensor No.				WIND SPD.		(kts)	
						CLOUD (amt)		*	
						WEATHER		*	
						BOTTOM DEPTH		(m)	
						STA. NAME/ID			
						MAX. DEPTH =		m	

NIS	DEPTH	Roset.	Hydro Team-PMEL					Jessica			Sambrotto			Alexei	Lomas		Moran	Harvey	Stoeker	Katin	NIS
			No.	DESIRED	notes	SALT	Nut.Btl	O2-Btl.No	CHL.	Frac CHL.	DIC/Alk	DOC	Urea		Part.	Prod					
1	185	180									✓	✓	✓	✓							1
2	33										✓	✓	✓	✓	1.5%						2
3	21										✓	✓	✓	✓	5%						3
4	17										✓	✓	✓	✓	9%						4
5	13										✓	✓	✓	✓	30%						5
6	9										✓	✓	✓	✓	55%						6
7	4										✓	✓	✓	✓							7
8	4										✓	✓	✓	✓							8
9	4										✓	✓	✓	✓							9
10	4										✓	✓	✓	✓	100%						10
11	4										✓	✓	✓	✓							11
12											✓	✓	✓	✓							12

Notes:

Cal, batman, Diane
4-2

190 N1915.702

VESSEL		CRUISE ID		PROJECT & LEG		Ship's CTD filename		STATION NO.														
R/V Thomas G. Thompson		TN250		BEST/BSIERP_Summer'10		250xxxxx 250 054 01		054														
CONSC CAST #	LATITUDE	DEG	MIN	DEG	MIN	DAY	MO	YR	HR	MIN	DRY BULB	WET BULB	PRESSURE	SEA STATE	VISIBILITY	WIND DIRN.	WIND SPD.	CLOUD (amt)	TYPE	WEATHER	BOTTOM DEPTH	STA. NAME/ID
06851	03.00N	17	11	17	09	52	6	10	16	42	4	3	21	*	*	292	17	*	*	*	2761	NP15
REMARKS																						
MAX. DEPTH =																						
SSE 9+																						
PRESS SN																						
PRI TEMP SN																						
SEC TEMP SN																						
PRI COND SN																						
SEC COND SN																						
FLUOR S/N																						
SBE43-Oxy (prime)																						
SBE43-Oxy (sec)																						
Transducer																						
PAR S/N																						
O2 Trip Sensor No.																						
Roset.																						
Hydro Team-PMEL																						
Jessica																						
Sambrotto																						
Alexei																						
Lomas																						
Moran																						
Harvey																						
Stroeker																						
Katrin																						
Seann																						
No.																						

Notes:

VESSEL		CRUISE ID		PROJECT & LEG		Ship's CTD filename		STATION NO.	
R/V Thomas G. Thompson		TN250		BEST/BSIERP-Summer10		250xxxxx		25005402	
CONSC		LATITUDE		LONGITUDE		TIME (GMT)		DRY BULB	
CAST #		DEG		MIN		DEG		MIN	
0695603		27		N		7118		99	
DAY		MO		YR		HR		MIN	
26		JUN		10		1957		04	
WET BULB		PRESSURE		SEA STATE		VISIBILITY		WIND DIRN.	
40.6		42.2		2		209		110	
WIND SPD.		CLOUD (amt)		TYPE		WEATHER		BOTTOM DEPTH	
27.8		27.8		27.8		27.8		27.8	
STA. NAME/ID		MAX. DEPTH =		m					
ND15									

NIS	DEPTH	Roset.	Hydro Team-PMEL						Jessica			Sambrotto				Alexei	Lomas		Moran	Harvey	Stoeker	Katrin	NIS	
			SALT	Nut.Bt	O2-Bt.No	CHL	Frac CHL	DI/Alk	DOC	Urea	Part.	Prod	DON	%PAR	POC		Th	Lessard						Seamm
1	300			-93																				1
2	250			-94																				2
3	200			-95						/														3
4	150			-96																				4
5	100			-97																				5
6	75			-98						/														6
7	50			-99			LC6	LD6																7
8	40			-100			LC5	LD5	/												MZ			8
9	30			-101			LC4	LD4																9
10	20			-102			LC3	LD3																10
11	10			-103			LC2	LD2													MZ			11
12	0			-104			LC1	LD1	/															12

Notes:

#6 need to look at bottom string

#3 need new string on small sp 1987

Sta 55 was other ops

VESSEL		CRUISE ID TN250		PROJECT & LEG		Ship's CTD filename		STATION NO.																																			
R/V Thomas G. Thompson		TN250		BEST/BSIERP_Summer10		250xxxxx 25005601		056																																			
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													
0705629.69N		17136.17W		27 JUN 10		0848		4.5				21				20211														166 SB3													
DEG MIN		DEG MIN		DAY MO YR		HR MIN		(°C)		(°C)		(mb)		*		(deg)		(kts)		*		*						(m)															
SBE 9+		FLUOR S/N		SBE43-Oxy (prime)		SBE43-Oxy (sec)		Transmissometer		PAR S/N		O2 Temp Sensor No.		REMARKS		MAX DEPTH =		m																									
PRESS SN		SBE43-Oxy (prime)		SBE43-Oxy (sec)		Transmissometer		PAR S/N																																			
PRI TEMP SN																																											
SEC TEMP SN																																											
PRI COND SN																																											
SEC COND SN																																											
NIS		DEPTH		Roset.		Hydro Team-PHEL		Jessica																																			
No		DESIRED		notes		SALT		Nut:Btl		O2-Btl.No		CHL		Frac CHL		DIC/Alk		DOC		Urea		Part.		Prod		DON		Alexei		Lomas		Moran		Harvey		Stoeker		Katrin		Seann		No.	
1		161		✓				185		050																																1	
2		125						106																																2			
3		100						107																																3			
4		75						108																																4			
5		50						109				LC6		LD6																										5			
6		40						110				LC5		LD5																										6			
7		30		Top O-ring				111				SA4		SB4																										7			
8		20						112				SA3		SB3																										8			
9		10						113				SA2		SB2																										9			
10		0						114				SA1		SB1																										10			
11																																								11			
12																																								12			

Notes:

VESSEL		CRUISE ID TN250		PROJECT & LEG		Ship's CTD filename		STATION NO.										
R/V Thomas G. Thompson		TN250		BEST/BSERP_Summer'10		250xxxxx 2 5 0 657 41		457										
CONSC	LATITUDE	LONGITUDE		TIME (GMT)		DRY BULB	WET BULB	PRESSURE	SEA STATE	VISIBILITY	WIND DIRN.	WIND SPD.	CLOUD (amt)	TYPE	WEATHER	BOTTOM DEPTH	STA. NAME/ID	
CAST #	DEG MIN	DEG MIN	DAY	MO	YR	HR	MIN	(°C)	(°C)	(mb)	*	*	(deg)	(kts)	*	*	(m)	SB4
715	637.73 N	7216.24 W	27	JUN	10	11	05	4.3		24			176	15			149	
REMARKS																		
MAX DEPTH =																		
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.																	
NO	DEPTH	Roset.	Hydro Team-PMEL	Jessica		Sanbroto			Alexei	Lomas	Moran	Harvey	Stoeker	Katrin	Nis			
DESIRID	notes	SALT	Nut.Btl	O2-Btl/No	CHL.	Frac CHL.	DIC/Aik	DOC	Urea	Part.	Prod	DON	%PAR	POC	Th	Lessard	Seann	No.
1	b.t		115	003														1
2	105		114															2
3	100		117															3
4	75		118															4
5	50		119															5
6	40	BIG LEAK																6
7	30		120															7
8	20		121															8
9	15		122															9
10	10		123															10
11	5		124															11
12																		12

Notes:

15-2

40

Owing replaced + bottle overpiped with position 12. There is a piece of material from bottom rim. Similar problem for Niskin 3.

VESSEL		CRUISE ID TN250		PROJECT & LEG		Ship's CTD filename		STATION NO.	
R/V Thomas G. Thompson		TN250		BEST/BSIERP_Summer'10		250xxxxx		250055802	
CONSC CAST #		LATITUDE		LONGITUDE		TIME (GMT)		DRY BULB	
DEG MIN		DEG MIN		DAY MO YR		HR MIN		(°C)	
073 56 42		17 38 08		27 JUN 10		16 06		4.6	
SEC 9+		FLUOR S/N		SBE43-Oxy (prine)		SBE43-Oxy (sec)		Transmissometer	
PRESS SN		SBE43-Oxy (prine)		SBE43-Oxy (sec)		Transmissometer		PAR S/N	
PRI TEMP SN		SBE43-Oxy (prine)		SBE43-Oxy (sec)		Transmissometer		PAR S/N	
SEC TEMP SN		SBE43-Oxy (prine)		SBE43-Oxy (sec)		Transmissometer		PAR S/N	
PRI COND SN		SBE43-Oxy (prine)		SBE43-Oxy (sec)		Transmissometer		PAR S/N	
SEC COND SN		SBE43-Oxy (prine)		SBE43-Oxy (sec)		Transmissometer		PAR S/N	
O2 Temp Sensor No.		O2 Temp Sensor No.		O2 Temp Sensor No.		O2 Temp Sensor No.		O2 Temp Sensor No.	
NIS DEPTH		Roset.		Hydro Team-PMEL		Jessica		DOC	
No DESIRED		notes		SALT		Nutr Bit		O2-Bit No	
1 33						Q1			
2 21						Q2			
3 13						Q3			
4 13						Q4			
5 9						Q5			
6 4						Q6			
7 4									
8 4									
9 0						Q7			
10									
11									
12									

Notes:

Done Cal: 4-2

PROD CAST

SAMBROTTO only

VESSEL		CRUISE ID		PROJECT & LEG		Ship's CTD filename		STATION NO.	
R/V Thomas G. Thompson		TN250		BEST/BSIERP_Summer'10		250xxxxx		250008901	
CONSC CAST #		LATITUDE		LONGITUDE		TIME (GMT)		DRY BULB	
DEG		MIN		DEG		MIN		WET BULB	
0745700.35		N		7324.51		W		05.915	
SBE 9+		FLUOR S/N		SBE43-Oxy (prime)		SBE43-Oxy (sec)		SBE43-Oxy (sec)	
PRESS SN		SBE43-Oxy (prime)		SBE43-Oxy (sec)		SBE43-Oxy (sec)		SBE43-Oxy (sec)	
PRI TEMP SN		SBE43-Oxy (prime)		SBE43-Oxy (sec)		SBE43-Oxy (sec)		SBE43-Oxy (sec)	
SEC TEMP SN		SBE43-Oxy (prime)		SBE43-Oxy (sec)		SBE43-Oxy (sec)		SBE43-Oxy (sec)	
PRI COND SN		SBE43-Oxy (prime)		SBE43-Oxy (sec)		SBE43-Oxy (sec)		SBE43-Oxy (sec)	
SEC COND SN		SBE43-Oxy (prime)		SBE43-Oxy (sec)		SBE43-Oxy (sec)		SBE43-Oxy (sec)	
O2 Temp Sensor No.		O2 Temp Sensor No.		O2 Temp Sensor No.		O2 Temp Sensor No.		O2 Temp Sensor No.	
DEPT H		Roset.		Hydro Team-PMEL		Jessica		Sambrotto	
No		DESIRED		SALT		Nut.Bit		O2-Bit/No	
1		bottom		-134		-135		-136	
2		100		-137		-138		-139	
3		75		-140		-141		-142	
4		50		-143		-144		-145	
5		40		-146		-147		-148	
6		30		-149		-150		-151	
7		20		-152		-153		-154	
8		10		-155		-156		-157	
9		0		-158		-159		-160	
10				-161		-162		-163	
11				-164		-165		-166	
12				-167		-168		-169	
REMARKS		MAX. DEPTH =		m		m		m	
SBE 9+		FLUOR S/N		SBE43-Oxy (prime)		SBE43-Oxy (sec)		SBE43-Oxy (sec)	
PRESS SN		SBE43-Oxy (prime)		SBE43-Oxy (sec)		SBE43-Oxy (sec)		SBE43-Oxy (sec)	
PRI TEMP SN		SBE43-Oxy (prime)		SBE43-Oxy (sec)		SBE43-Oxy (sec)		SBE43-Oxy (sec)	
SEC TEMP SN		SBE43-Oxy (prime)		SBE43-Oxy (sec)		SBE43-Oxy (sec)		SBE43-Oxy (sec)	
PRI COND SN		SBE43-Oxy (prime)		SBE43-Oxy (sec)		SBE43-Oxy (sec)		SBE43-Oxy (sec)	
SEC COND SN		SBE43-Oxy (prime)		SBE43-Oxy (sec)		SBE43-Oxy (sec)		SBE43-Oxy (sec)	
O2 Temp Sensor No.		O2 Temp Sensor No.		O2 Temp Sensor No.		O2 Temp Sensor No.		O2 Temp Sensor No.	
DEPT H		Roset.		Hydro Team-PMEL		Jessica		Sambrotto	
No		DESIRED		SALT		Nut.Bit		O2-Bit/No	
1		bottom		-134		-135		-136	
2		100		-137		-138		-139	
3		75		-140		-141		-142	
4		50		-143		-144		-145	
5		40		-146		-147		-148	
6		30		-149		-150		-151	
7		20		-152		-153		-154	
8		10		-155		-156		-157	
9		0		-158		-159		-160	
10				-161		-162		-163	
11				-164		-165		-166	
12				-167		-168		-169	

Notes:

VESSEL		CRUISE ID		PROJECT & LEG		Ship's CTD filename		STATION NO.	
R/V Thomas G. Thompson		TN250		BEST/BSIERP_Summer'10		250xxxxx		060	

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	
0765716.75N	DEG	MIN	DEG	MIN	DAY	MO	YR	HR	MIN	(°C)	(°C)	(mb)	*	*	(deg)	(kts)	*	*
17350.43W					27	JUN	10	23	16	05.3	05.9	11.2			14	23		
																	190	587

SBE 9+	FLUOR S/N	REMARKS
PRESS SN	SBE43-Oxy (prime)	DAS Salinity = 32.466
PRI TEMP SN	SBE43-Oxy (sec)	
SEC TEMP SN	Transmissometer	
PRI COND SN	PAP S/N	
SEC COND SN	O2 Temp Sensor No.	

NIS	DEPTH	Roset.	Hydro Team-PMEL				Jessica				Sambrotto				Alexei	Lomas		Moran	Harvey	Stoeker	Katrin	NIS
	DESIRIED	notes	SALT	Nut.Btl	O2-Btl.No	CHL	Frac CHL	DIC/Aik	DOC	Urea	Part.	Prod	DON	%PAR	POC	Th	Lessard			Seann	No.	
1		bottom		-143	-074					✓	✓		✓								1	
2	150			-144																	2	
3	100			-145																	3	
4	50			-146						✓			✓								4	
5	40			-147																	5	
6	30			-148																	6	
7	20			-149						✓	✓		✓								7	
8	10			-150																	8	
9	10			-151																	9	
10	10			-152																	10	
11	0			151						✓	✓		✓								11	
12	0																				12	

Notes:

VESSEL		CRUISE ID		PROJECT & LEG		Ship's CTD filename		STATION NO.	
R/V Thomas G. Thompson		TN250		BEST/BSERP_Summer'10		250xxxxx 2 5 0		061 01	
CONSC CAST #		LATITUDE		LONGITUDE		TIME (GMT)		DRY BULB	
0765722.99 N		74 35.58 W		28 JUN 10		043505.70		6.405	
DEG MIN		DEG MIN		DAY MO YR		HR MIN		WET BULB	
SBE 9+		FLUOR S/N		SBE43-Oxy (prime)		SBE43-Oxy (sec)		Transmissometer	
PRESS SN									
PRI TEMP SN									
SEC TEMP SN									
PRI COND SN									
SEC COND SN									
O2 Temp Sensor No.									
NIS DEPTH		Roset.		Hydro Team-PHCL		Jessica		Sanbroto	
No. DESIRED		notes		SALT		Nut.Btl		O2-Btl.No	
1 200				-152					
2 150				-153					
3 125				-154					
4 100				-155					
5 75				-156					
6 50				-157					
7 40				-158					
8 30				-159					
9 20				-160					
10 10				-161					
11 0				-162					
12 0									
CHL.		Frac CHL.		DIC/ALK		DOC		Urea	
LC1									
LC2									
LC3									
LC4									
LC5									
LC6									
Alexei		Lomas		Moran		Harvey		Stoeker	
%PAR		POC		Th		Lessard		Katrin	
Seann									
NIS No.									
1									
2									
3									
4									
5									
6									
7									
8									
9									
10									
11									
12									

Notes:

Bottle 8: Bad bottom o-ring; water to sample
replaced; sampled as usual.

REMARKS
TSG Salinity = 32.6

MAX DEPTH =

VESSEL		CRUISE ID		TN250		PROJECT & LEG		BEST/BSIERP_Summer'10		Ship's CTD filename		250xxxxx		25006201		STATION NO.		262																													
R/V Thomas G. Thompson		TN250																																													
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																	
0775729.72 N		17514.65 W		28 JUN 10		0724																						3473P1410																			
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				O2 Temp Sensor No.																																											
NIS		DEPTH		Roset.		Hydro Team-PMEL		Jessica																																							
No		DESIRED		notes		SALT		Nut.Bt		O2-Bt.No		CHL		Frac CHL		DIC/Alk		DOC				Urea		Part.		Prod		DON				Alexei		Lomas		Moran		Harvey		Stoeker		Katrin		Seann		No.	
1																																															
2																																															
3																																															
4																																															
5																																															
6																																															
7																																															
8																																															
9																																															
10																																															
11																																															
12																																															

Notes:

REMARKS

This cast was pulled out of the water earlier to remove the DFR sensor. There is both an entry in the current log and an abort of both files, although only 10m of data was recorded.

MAX DEPTH =

m

Paul CAG

VESSEL		CRUISE ID		PROJECT & LEG		Ship's CTD filename		STATION NO.	
R/V Thomas G. Thompson		TN250		BEST/BSIERP_Summer'10		250xxxxx 2 5 0 6202		62	

CONSC CAST #	LATITUDE		LONGITUDE		TIME (GMT)	DRY BULB	WET BULB	PRESSURE	SEA STATE	VISIBILITY	WIND DIRN.	WIND SPD.	CLOUD (amt)	TYPE	WEATHER	BOTTOM DEPTH	STA. NAME/ID			
	DEG	MIN	DEG	MIN														DAY	MO	YR
0785729	172	N	17514	65	W	28	JUN	10	0741	05	10	05	9.03			142	20		3475	011410

SBE 9+	FLUOR S/N	REMARKS DAS reading for salinity = 32.62 HISTORIC T14N Sta from 1993 6202
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.	MAX DEPTH =

NIS	DEPTH	Reset.	Hydro Team-PMEL					Jessica			Sambroto			Alexei	Lomas		Moran	Harvey	Stoeker	Katrin	NIS
			DESIGNED	notes	SALT	Nut.Btl	O2-Btl.No	CHL.	Frac CHL.	DIC/Alk	DOC	Urea	Part.		Prod	DON					
1	865	✓	X B411	163													1				1
2	3000	✓		164	X086												2				2
3	2750	✓		165	X226												3				3
4	2500	✓	X B412	166	X207												4				4
5	2250	✓		167	X136												5				5
6	2000	✓	X B413	168	X171												6				6
7	1750	✓		169	X209												7				7
8	1500	✓	X B414	170													8				8
9	1200	✓		171													9				9
10	900	✓	X B415	172													10				10
11	600	✓	X B416	173													11				11
12	400	✓		174													12				12

Notes:

VESSEL		CRUISE ID TN250		PROJECT & LEG		Ship's CTD filename		STATION NO.	
R/V Thomas G. Thompson		TN250		BEST/BSIERP_Summer'10		250xxxxx 250 062 03		062	

CONSC CAST #	LATITUDE		LONGITUDE		TIME (GMT)	DRY BULB	WET BULB	PRESSURE	SEA STATE	VISIBILITY	WIND DIRN.	WIND SPD.	CLOUD (amt)	TYPE	WEATHER	BOTTOM DEPTH	STA. NAME/ID	
	DEG	MIN	DEG	MIN														DAY
0795729.74N			17514.52W		28	JUN	10	1138										014N-10

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

NIS	DEPTH	Roset.	Hydro Team-PMEL				Jessica				Sambrotto				Alexei	Lomas		Moran	Harvey	Stoeker	Katrin	NIS
			DESIGED	notes	SALT	Nur.Bti	O2-Bti.No	CHL.	Frac CHL.	O/C/Alk	DOC	Urea	Part.	Prod		DON	%PAR					
1	35																				1	
2	17																				2	
3	17																				3	
4	17																				4	
5	17																				5	
6	17																				6	
7	17																				7	
8																					8	
9																					9	
10																					10	
11																					11	
12																					12	

Notes:

17 35

VESSEL		CRUISE ID TN250		PROJECT & LEG		Ship's CTD filename		STATION NO.	
R/V Thomas G. Thompson		TN250		BEST/BSIERP_Summer'10		250xxxxx 2 5 0 6401		64	

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
062	57	58.78 N	174	48.88 W	29	JUN 10	2250	5.50	6.39	8		230	11				2799	PLAN 8

SBE 9+	FLUOR S/N	REMARKS	MAX DEPTH =
PRESS SN	SBE43-Oxy (prine)		
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	Loc	Sambrotto	Alexei	Lomas	Moran	Harvey	Stoeker	Katrin	NIS					
No	DESIGNED	notes	SALT	Nut.Btl	O2-Btl.No	CHL.	Frac CHL.	Urea	Part.	Prod	DON	%PAR	POC	Th	Lessard	Seann	No.
1		5758.78		-10	-0.00												1
2	2500			-11													2
3	2250			-12	-221												3
4	2000			-13													4
5	1750			-14	-235												5
6	1500			-15													6
7	1200			-16	-227												7
8	1000			-17													8
9	900			-18	-1167												9
10	750			-19													10
11	500			-20	-243												11
12	300			-21													12

Notes:

Boat bottles. 4: top oning is bad
6: "
10: "
8: bottom oning is bad

Put new top oning in #6
Replaced springs in #7
After cast

VESSEL		CRUISE ID TN250		PROJECT & LEG		Ship's CTD filename		STATION NO.												
R/V Thomas G. Thompson		TN250		BEST/BSIERP_Summer'10		250xxxxx 2 5 006402		64												
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		
083	DEG	MIN	DEG	MIN	DAY	MO	YR	HR	MIN	(°C)	(°C)	(mb)	*	*	(deg)	(kts)	*	*	(m)	PHN-8
5758.771			17448.90		29	JUN	10	0549	05	60.6	39.8				255	12			2805	
SBE 3+ _____ 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. _____																				
REMARKS Bottle has a new O-ring in the top bottle has a new spring																				
NIS DEPTH Roset. Hydro Team-PMEL Jessica Sambreto Alexei Lomas Moran Harvey Stoeker Katrin No DESIRED notes SALT Nut. Btl 02-Btl.No CHL. Frac CHL. DIC/Alk DOC Urea Part. Prod DON %PAR POC Th Lessard Seann NIS 1 300 23 23 27 24 25 26 27 28 29 30 31 32 33 34 35 36 37 38 39 40 41 42 43 44 45 46 47 48 49 50 51 52 53 54 55 56 57 58 59 60 61 62 63 64 65 66 67 68 69 70 71 72 73 74 75 76 77 78 79 80 81 82 83 84 85 86 87 88 89 90 91 92 93 94 95 96 97 98 99 100 101 102 103 104 105 106 107 108 109 110 111 112 113 114 115 116 117 118 119 120 121 122 123 124 125 126 127 128 129 130 131 132 133 134 135 136 137 138 139 140 141 142 143 144 145 146 147 148 149 150 151 152 153 154 155 156 157 158 159 160 161 162 163 164 165 166 167 168 169 170 171 172 173 174 175 176 177 178 179 180 181 182 183 184 185 186 187 188 189 190 191 192 193 194 195 196 197 198 199 200 201 202 203 204 205 206 207 208 209 210 211 212 213 214 215 216 217 218 219 220 221 222 223 224 225 226 227 228 229 230 231 232 233 234 235 236 237 238 239 240 241 242 243 244 245 246 247 248 249 250 251 252 253 254 255 256 257 258 259 260 261 262 263 264 265 266 267 268 269 270 271 272 273 274 275 276 277 278 279 280 281 282 283 284 285 286 287 288 289 290 291 292 293 294 295 296 297 298 299 300 301 302 303 304 305 306 307 308 309 310 311 312 313 314 315 316 317 318 319 320 321 322 323 324 325 326 327 328 329 330 331 332 333 334 335 336 337 338 339 340 341 342 343 344 345 346 347 348 349 350 351 352 353 354 355 356 357 358 359 360 361 362 363 364 365 366 367 368 369 370 371 372 373 374 375 376 377 378 379 380 381 382 383 384 385 386 387 388 389 390 391 392 393 394 395 396 397 398 399 400 401 402 403 404 405 406 407 408 409 410 411 412 413 414 415 416 417 418 419 420 421 422 423 424 425 426 427 428 429 430 431 432 433 434 435 436 437 438 439 440 441 442 443 444 445 446 447 448 449 450 451 452 453 454 455 456 457 458 459 460 461 462 463 464 465 466 467 468 469 470 471 472 473 474 475 476 477 478 479 480 481 482 483 484 485 486 487 488 489 490 491 492 493 494 495 496 497 498 499 500 501 502 503 504 505 506 507 508 509 510 511 512 513 514 515 516 517 518 519 520 521 522 523 524 525 526 527 528 529 530 531 532 533 534 535 536 537 538 539 540 541 542 543 544 545 546 547 548 549 550 551 552 553 554 555 556 557 558 559 560 561 562 563 564 565 566 567 568 569 570 571 572 573 574 575 576 577 578 579 580 581 582 583 584 585 586 587 588 589 590 591 592 593 594 595 596 597 598 599 600 601 602 603 604 605 606 607 608 609 610 611 612 613 614 615 616 617 618 619 620 621 622 623 624 625 626 627 628 629 630 631 632 633 634 635 636 637 638 639 640 641 642 643 644 645 646 647 648 649 650 651 652 653 654 655 656 657 658 659 660 661 662 663 664 665 666 667 668 669 670 671 672 673 674 675 676 677 678 679 680 681 682 683 684 685 686 687 688 689 690 691 692 693 694 695 696 697 698 699 700 701 702 703 704 705 706 707 708 709 710 711 712 713 714 715 716 717 718 719 720 721 722 723 724 725 726 727 728 729 730 731 732 733 734 735 736 737 738 739 740 741 742 743 744 745 746 747 748 749 750 751 752 753 754 755 756 757 758 759 760 761 762 763 764 765 766 767 768 769 770 771 772 773 774 775 776 777 778 779 780 781 782 783 784 785 786 787 788 789 790 791 792 793 794 795 796 797 798 799 800 801 802 803 804 805 806 807 808 809 810 811 812 813 814 815 816 817 818 819 820 821 822 823 824 825 826 827 828 829 830 831 832 833 834 835 836 837 838 839 840 841 842 843 844 845 846 847 848 849 850 851 852 853 854 855 856 857 858 859 860 861 862 863 864 865 866 867 868 869 870 871 872 873 874 875 876 877 878 879 880 881 882 883 884 885 886 887 888 889 890 891 892 893 894 895 896 897 898 899 900 901 902 903 904 905 906 907 908 909 910 911 912 913 914 915 916 917 918 919 920 921 922 923 924 925 926 927 928 929 930 931 932 933 934 935 936 937 938 939 940 941 942 943 944 945 946 947 948 949 950 951 952 953 954 955 956 957 958 959 960 961 962 963 964 965 966 967 968 969 970 971 972 973 974 975 976 977 978 979 980 981 982 983 984 985 986 987 988 989 990 991 992 993 994 995 996 997 998 999 1000 1001 1002 1003 1004 1005 1006 1007 1008 1009 1010 1011 1012 1013 1014 1015 1016 1017 1018 1019 1020 1021 1022 1023 1024 1025 1026 1027 1028 1029 1030 1031 1032 1033 1034 1035 1036 1037 1038 1039 1040 1041 1042 1043 1044 1045 1046 1047 1048 1049 1050 1051 1052 1053 1054 1055 1056 1057 1058 1059 1060 1061 1062 1063 1064 1065 1066 1067 1068 1069 1070 1071 1072 1073 1074 1075 1076 1077 1078 1079 1080 1081 1082 1083 1084 1085 1086 1087 1088 1089 1090 1091 1092 1093 1094 1095 1096 1097 1098 1099 1100 1101 1102 1103 1104 1105 1106 1107 1108 1109 1110 1111 1112 1113 1114 1115 1116 1117 1118 1119 1120 1121 1122 1123 1124 1125 1126 1127 1128 1129 1130 1131 1132 1133 1134 1135 1136 1137 1138 1139 1140 1141 1142 1143 1144 1145 1146 1147 1148 1149 1150 1151 1152 1153 1154 1155 1156 1157 1158 1159 1160 1161 1162 1163 1164 1165 1166 1167 1168 1169 1170 1171 1172 1173 1174 1175 1176 1177 1178 1179 1180 1181 1182 1183 1184 1185 1186 1187 1188 1189 1190 1191 1192 1193 1194 1195 1196 1197 1198 1199 1200 1201 1202 1203 1204 1205 1206 1207 1208 1209 1210 1211 1212 1213 1214 1215 1216 1217 1218 1219 1220 1221 1222 1223 1224 1225 1226 1227 1228 1229 1230 1231 1232 1233 1234 1235 1236 1237 1238 1239 1240 1241 1242 1243 1244 1245 1246 1247 1248 1249 1250 1251 1252 1253 1254 1255 1256 1257 1258 1259 1260 1261 1262 1263 1264 1265 1266 1267 1268 1269 1270 1271 1272 1273 1274 1275 1276 1277 1278 1279 1280 1281 1282 1283 1284 1285 1286 1287 1288 1289 1290 1291 1292 1293 1294 1295 1296 1297 1298 1299 1300 1301 1302 1303 1304 1305 1306 1307 1308 1309 1310 1311 1312 1313 1314 1315 1316 1317 1318 1319 1320 1321 1322 1323 1324 1325 1326 1327 1328 1329 1330 1331 1332 1333 1334 1335 1336 1337 1338 1339 1340 1341 1342 1343 1344 1345 1346 1347 1348 1349 1350 1351 1352 1353 1354 1355 1356 1357 1358 1359 1360 1361 1362 1363 1364 1365 1366 1367 1368 1369 1370 1371 1372 1373 1374 1375 1376 1377 1378 1379 1380 1381 1382 1383 1384 1385 1386 1387 1388 1389 1390 1391 1392 1393 1394 1395 1396 1397 1398 1399 1400 1401 1402 1403 1404 1405 1406 1407 1408 1409 1410 1411 1412 1413 1414 1415 1416 1417 1418 1419 1420 1421 1422 1423 1424 1425 1426 1427 1428 1429 1430 1431 1432 1433 1434 1435 1436 1437 1438 1439 1440 1441 1442 1443 1444 1445 1446 1447 1448 1449 1450 1451 1452 1453 1454 1455 1456 1457 1458 1459 1460 1461 1462 1463 1464 1465 1466 1467 1468 1469 1470 1471 1472 1473 1474 1475 1476 1477 1478 1479 1480 1481 1482 1483 1484 1485 1486 1487 1488 1489 1490 1491 1492 1493 1494 1495 1496 1497 1498 1499 1500 1501 1502 1503 1504 1505 1506 1507 1508 1509 1510 1511 1512 1513 1514 1515 1516 1517 1518 1519 1520 1521 1522 1523 1524 1525 1526 1527 1528 1529 1530 1531 1532 1533 1534 1535 1536 1537 1538 1539 1540 1541 1542 1543 1544 1545 1546 1547 1548 1549 1550 1551 1552 1553 1554 1555 1556 1557 1558 1559 1560 1561 1562 1563 1564 1565 1566 1567 1568 1569 1570 1571 1572 1573 1574 1575 1576 1577 1578 1579 1580 1581 1582 1583 1584 1585 1586 1587 1588 1589 1590 1591 1592 1593 1594 1595 1596 1597 1598 1599 1600 1601 1602 1603 1604 1605 1606 1607 1608 1609 1610 1611 1612 1613 1614 1615 1616 1617 1618 1619 1620 1621 1622 1623 1624 1625 1626 1627 1628 1629 1630 1631 1632 1633 1634 1635 1636 1637 1638 1639 1640 1641 1642 1643 1644 1645 1646 1647 1648 1649 1650 1651 1652 1653 1654 1655 1656 1657 1658 1659 1660 1661 1662 1663 1664 1665 1666 1667 1668 1669 1670 1671 1672 1673 1674 1675 1676 1677 1678 1679 1680 1681 1682 1683 1684 1685 1686 1687 1688 1689 1690 1691 1692 1693 1694 1695 1696 1697 1698 1699 1700 1701 1702 1703 1704 1705 1706 1707 1708 1709 1710 1711 1712 1713 1714 1715 1716 1717 1718 1719 1720 1721 1722 1723 1724 1725 1726 1727 1728 1729 1730 1731 1732 1733 1734 1735 1736 1737 1738 1739 1740 1741 1742 1743 1744 1745 1746 1747 1748 1749 1750 1751 1752 1753 1754 1755 1756 1757 1758 1759 1760 1761 1762 1763 1764 1765 1766 1767 1768 1769 1770 1771 1772 1773 1774 1775 1776 1777 1778 1779 1780 1781 1782 1783 1784 1785 1786 1787 1788 1789 1790 1791 1792 1793 1794 1795 1796 1797 1798 1799 1800 1801 1802 1803 1804 1805 1806 1807 1808 1809 1810 1811 1812 1813 1814 1815 1816 1817 1818 1819 1820 1821 1822 1823 1824 1825 1826 1827 1828 1829 1830 1831 1832 1833 1834 1835 1836 1837 1838 1839 1840 1841 1842 1843 1844 1845 1846 1847 1848 1849 1850 1851 1852 1853 1854 1855 1856 1857 1858 1859 1860 1861 1862 1863 1864 1865 1866 1867 1868 1869 1870 1871 1872 1873 1874 1875 1876 1877 1878 1879 1880 1881 1882 1883 1884 1885 1886 1887 1888 1889 1890 1891 1892 1893 1894 1895 1896 1897 1898 1899 1900 1901 1902 1903 1904 1905 1906 1907 1908 1909 1910 1911 1912 1913 1914 1915 1916 1917 1918 1919 1920 1921 1922 1923 1924 1925 1926 1927 1928 1929 1930 1931 1932 1933 1934 1935 1936 1937 1938 1939 1940 1941 1942 1943 1944 1945 1946 1947 1948 1949 1950 1951 1952 1953 1954 1955 1956 1957 1958 1959 1960 1961 1962 1963 1964 1965 1966 1967 1968 1969 1970 1971 1972 1973 1974 1975 1976 1977 1978 1979 1980 1981 1982 1983 1984 1985 1986 1987 1988 1989 1990 1991 1992 1993 1994 1995 1996 1997 1998 1999 2000 2001 2002 2003 2004 2005 2006 2007 2008 2009 2010 2011 2012 2013 2014 2015 2016 2017 2018 2019 2020 2021 2022 2023 2024 2025 2026 2027 2028 2029 2030 2031 2032 2033 2034 2035 2036 2037 2038 2039 2040 2041 2042 2043 2044 2045 2046 2047 2048 2049 2050 2051 2052 2053 2054 2055 2056 2057 2058 2059 2060 2061 2062 2063 2064 2065 2066 2067 2068 2069 2070 2071 2072 2073 2074 2075 2076 2077 2078 2079 2080 2081 2082 2083 2084 2085 2086 2087 2088 2089 2090 2091 2092 2093 2094 2095 2096 2097 2098 2099 2100 2101 2102 2103 2104 2105 2106 2107 2108 2109 2110 2111 2112 2113 2114 2115 2116 2117 2118 2119 2120 2121 2122 2123 2124 2125 2126 2127 2128 2129 2130 2131 2132 2133 2134 2135 2136 2137 2138 2139 2140 2141 2142 2143 2144 2145 2146 2147 2148 2149 2150 2151 2152 2153 2154 2155 2156 2157 2158 2159 2160 2161 2162 2163 2164 2165 2166 2167 2168 2169 2170 2171 2172 2173 2174 2175 2176 2177 2178 2179 2180 2181 2182 2183 2184 2185 2186 2187 2188 2189 2190 2191 2192 2193 2194 2195 2196 2197 2198 2199 2200 2201 2202 2203 2204 2205 2206 2207 2208 2209 2210 2211 2212 2213 2214 2215 2216 2217 2218 2219 2220 2221 2222 2223 2224 2225 2226 2227 2228 2229 2230 2231 2232 2233 2234 2235 2236 2237 2238 2239 2240 2241 2242 2243 2244 2245 2246 2247 2248 2249 2250 2251 2252 2253 2254 2255 2256 2257 2258 2259 2260 2261 2262 2263 2264 2265 2266 2267 2268 2269 2270 2271 2272 2273 2274 2275 2276 2277 2278 2279 2280 2281 2282 2283 2284 2285 2286 2287 2288 2289 2290 2291 2292 2293 2294 2295 2296 2297 2298 2299 2300 2301 2302 2303 2304 2305 2306 2307 2308 2309 2310 2311 2312 2313 2314 2315 2316 2317 2318 2319 2320 2321 2322 2323 2324 2325 2326 2327 2328 2329 2330 2331 2332 2333 2334 2335 2336 2337 2338 2339 2340 2341 2342 2343 2344 2345 2346 2347 2348 2349 2350 2351 2352 2353 2354 2355 2356 2357 2358 2359 2360 2361 2362 2363 2364 2365 2366 2367 2368 2369 2370 2371 2372 2373 2374 2375 2376 2377 2378 2379 2380 2381 2382 2383 2384 2385 2386 2387 2388 2389 2390 2391 2392 2393 2394 2395 2396 2397 2398 2399 2400 2401 2402 2403 2404 2405 2406 2407 2408 2409 2410 2411 2412 2413 2414 2415 2416 2417 2418 2419 2420 2421 2422 2423 2424 2425 2426 2427 2428 2429 2430 2431 2432 2433 2434 2435 2436 2437 2438 2439 2440 2441 2442 2443 2444 2445 2446 2447 2448 2449 2450 2451 2452 2453 2454 2455 2456 2457 2458 2459 2460 2461 2462 2463 2464 2465 2466 2467 2468 2469 2470 2471 2472 2473 2474 2475 2476 2477 2478 2479 2480 2481 2482 2483 2484 2485 2486 2487 2488 2489 2490 2491 2492 2493 2494 2495 2496 2497 2498 2499 2500 2501 2502 2503 2504 2505 2506 2507 2508 2509 2510 2511 2512 2513 2514 2515 2516 2517 2518 2519 2520																				

VESSEL		CRUISE ID TN250		PROJECT & LEG		Ship's CTD filename		STATION NO.	
R/V Thomas G. Thompson		TN250		BEST/BSIERP_Summer'10		250xxxxx 2 5 006501		65	
CONSC CAST #		LATITUDE		LONGITUDE		TIME (GMT)		DRY BULB	
DEG MIN		DEG MIN		DAY MO YR		HR MIN		(°C)	
04 58 15.94 N		174 33.28 W		29 JUN 10		08 18		5.7	
SBE 9+		FLUOR S/N		REMARKS		PRESSURE		SEA STATE	
PRESS SN		SBE43-Oxy (prime)		Deep Cast at 7:40pm must S.M.		(mb)		VISIBILITY	
PRI TEMP SN		SBE43-Oxy (sec)		m Soot Trap		* *		WIND DIRN.	
SEC TEMP SN		Transmissometer				(deg)		WIND SPD.	
PRI COND SN		PAR S/N				(kts)		CLOUD (amt)	
SEC COND SN		02 Temp Sensor No.				99		* *	
						23 09		WEATHER	
						2233		BOTTOM DEPTH	
								(m)	
								STA. NAME/ID	
								P14N-7	

NIS	DEPTH	Roset	Hydro Team-PMEL			Jessica			Sambroto			Alexei	Lomas		Moran	Harvey	Stoeker	Katrin	NIS
			Notes	SALT	Nut.Btl	O2-Btl.No	CHL	Frac CHL	DIC/Alk	DOC	Urea		Part.	Prod					
1	Bot	leaky	34																1
2	1500	B418	35																2
3	1000		36																3
4	750		37	222															4
5	500		38																5
6	150		39																6
7	50		40																7
8	40		41																8
9	30		42																9
10	20		43																10
11	10		44																11
12	0		45																12

Notes:

SS Sal 32.794
CTD Sal (top) =

* Started leaking when valves open, but badly sealed

C-50

VESSEL		CRUISE ID TN250		PROJECT & LEG		Ship's CTD filename		STATION NO.	
R/V Thomas G. Thompson		TN250		BEST/BSERP-Summer10		250xxxxx 250		666 81	
CONSC CAST #		LATITUDE		LONGITUDE		TIME (GMT)		DRY BULB	
DEG MIN		DEG MIN		DAY MO YR		HR MIN		WET BULB	
0855 29.41 N		17419.81 W		29 JUN 10		1351		5.14	
SBE 9+ _____		FLUOR S/N _____		SBE43-Oxy (prime) _____		SBE43-Oxy (sec) _____		Transmissometer _____	
PRESS SN _____		SBE43-Oxy (sec) _____		Transmissometer _____		PAR S/N _____		02 Temp Sensor No. _____	
PRI TEMP SN _____		PAR S/N _____		02 Temp Sensor No. _____		REMARKS		MAX DEPTH = _____ m	
SEC TEMP SN _____		PAR S/N _____		02 Temp Sensor No. _____					
SEC COND SN _____		PAR S/N _____		02 Temp Sensor No. _____					
NIS DEPTH		Roset.		Hydro Team-PMEL		Jessica		Sambrotto	
No DESIRED		notes		SALT		Nut.Bt		O2-Bt.No	
1 bat						46		219	
2 160						47		219	
3 75						48			
4 50						49		LC1	
5 40						50		LC5	
6 40						51		LC4	
7 20						52		LC3	
8 20						53		LC2	
9 10						54		LC1	
10 0									
11									
12									

Notes: S_{0.06} S_{0.1} = 32.594

VESSEL		CRUISE ID TN250		PROJECT & LEG		Ship's CTD filename		STATION NO.	
R/V Thomas G. Thompson		TN250		BEST/BSIERP_Summer'10		250xxxxx		67	
CONSC CAST #		LATITUDE		LONGITUDE		TIME (GMT)		DRY BULB	
DEG MIN		DEG MIN		DAY MO YR		HR MIN		WET BULB	
0865816.99 N		174439.97 W		29 JUN 10		1558		5.5	
SBE 9+		FLUOR S/N		REMARKS		PRESSURE		SEA STATE	
PRESS SN		SBE43-Oxy (prime)		Food Cast at 2nd Trap Recovery		(mb)		VISIBILITY	
PRI TEMP SN		SBE43-Oxy (sec)				*		WIND DIRN.	
SEC TEMP SN		Transmissometer				(deg)		WIND SPD.	
PRI COND SN		PAR S/N				(kts)		CLOUD (amt)	
SEC COND SN		O2 Temp Sensor No.				221		TYPE	
						44		WEATHER	
						236		BOTTOM DEPTH	
								STA. NAME/ID	
								TR3	

NIS	DEPTH	Roset/notes	Hydro Team-PMEL				Jessica				Sambrotto			Alexei	Lomas		Moran	Harvey	Stoeker	Karin	Seam	NIS
			SALT	Nut Btl	O2 Btl/No	CHL	Frac CHL	DIC/Alk	DOC	Urea	Part.	Prod	DON		%PAR	POC						
1	300			53/																		1
2	38			54/01																		2
3	25			57/05																		3
4	20			58/08																		4
5	15			59/04																		5
6	10			60/05																		6
7	5			61/06																		7
8	5																					8
9	5																					9
10	5																					10
11	0			62/07																		11
12	0																					12

Notes:

Niskin 4 not

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Dave

Kali

sampled

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5-2

300

for NURS

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VESSEL		CRUISE ID		PROJECT & LEG		Ship's CTD filename		STATION NO.	
R/V Thomas G. Thompson		TN250		BEST/BSIERP_Summer'10		250xxxxx		25006801	
CONSC CAST #		LATITUDE		LONGITUDE		TIME (GMT)		DRY BULB	
0875843.06N		17406.23W		29 JUN 10		0835805.606.500		1796.1	
DEG MIN		DEG MIN		DAY MO YR		HR MIN		WET BULB	
17406.23		29 JUN 10		0835805.606.500		1796.1		PRESSURE	
SEC 9+		FLUOR S/N		SBE43-Oxy (prime)		SEA STATE		VISIBILITY	
PRESS SN		SBE43-Oxy (sec)		Transmissometer		WIND DIRN.		WIND SPD.	
PRI TEMP SN		PAR S/N		O2 Temp Sensor No.		CLOUD (amt)		TYPE	
SEC TEMP SN		PAR S/N		O2 Temp Sensor No.		WEATHER		BOTTOM DEPTH	
PRI COND SN		PAR S/N		O2 Temp Sensor No.		MAX. DEPTH =		STA. NAME/ID	
SEC COND SN		PAR S/N		O2 Temp Sensor No.		MAX. DEPTH =		STA. NAME/ID	
NIS DEPTH		Roset.		Hydro Team-PHIL		Jessica		Sambratto	
No DESIRED		notes		SALT		Nut Br		O2-Btl.No	
1 133		bottom		549		63		-123	
2 100						64			
3 75						65			
4 60						66			
5 50						67			
6 40						68			
7 30						69			
8 20						70			
9 10						71			
10 0						72			
11									
12									

Notes:

VESSEL		CRUISE ID		PROJECT & LEG		Ship's CTD filename		STATION NO.	
R/V Thomas G. Thompson		TN250		BEST/BSIERP_Summer'10		250xxxxx		069	
CONSC CAST #		LATITUDE		LONGITUDE		TIME (GMT)		DRY BULB	
DEG		MIN		DEG		MIN		WET BULB	
0485857		63 N		17352.37 W		30 JUN 10		0220805.506.301	
SBE 9+		FLUOR S/N		REMARKS		PRESSURE		SEA STATE	
PRESS SN		SBE43-Oxy (prime)				VISIBILITY		WIND DIRN.	
PRI TEMP SN		SBE43-Oxy (sec)				WIND SPD.		CLOUD (amt)	
SEC TEMP SN		Transmissometer				WEATHER		BOTTOM DEPTH	
PRI COND SN		PAR S/N				MAX DEPTH =		STA. NAME/ID	
SEC COND SN		O2 Temp Sensor No.						P14:4	
NIS		Roset.		Hydro Team-PMEL		Jessica		Sambrutto	
No		DESIRIED		SALT		Nutr.Btl		O2-Btl.No	
1		117		bottom		73		228	
2		100				74			
3		75				75			
4		50				76			
5		40				77			
6		30				78			
7		28		MAX					
8		28		MAX					
9		20				79			
10		10				80			
11		0				81			
12									

Notes:

VESSEL		CRUISE ID		PROJECT & LEG		Ship's CTD filename		STATION NO.	
R/V Thomas G. Thompson		TN250		BEST/BSIERP_Summer10		250xxxxx		07001	
CONSC CAST #		LATITUDE		LONGITUDE		TIME (GMT)		DRY BULB	
08959		12.24		17338.83		W30		JUN 10 053405.1	
DEG		MIN		DEG		MIN		DAY	
MO		YR		HR		MIN		SEC	
08		09		12		24		30	
WET BULB		PRESSURE		SEA STATE		VISIBILITY		WIND DIRN.	
05.702		(mb)		*		*		(deg)	
11505		11505		11505		11505		11505	
WIND SPD.		CLOUD (amt)		TYPE		WEATHER		BOTTOM DEPTH	
01115		01115		01115		01115		01115	
MAX DEPTH =		m		m		m		m	
SBE 9+		FLUOR S/N		SBE43-Oxy (prime)		SBE43-Oxy (sec)		Transmissometer	
PRESS SN		SBE43-Oxy (prime)		SBE43-Oxy (sec)		Transmissometer		PAR S/N	
PRI TEMP SN		SBE43-Oxy (prime)		SBE43-Oxy (sec)		Transmissometer		PAR S/N	
SEC TEMP SN		SBE43-Oxy (prime)		SBE43-Oxy (sec)		Transmissometer		PAR S/N	
PRI COND SN		SBE43-Oxy (prime)		SBE43-Oxy (sec)		Transmissometer		PAR S/N	
SEC COND SN		SBE43-Oxy (prime)		SBE43-Oxy (sec)		Transmissometer		PAR S/N	
O2 Temp Sensor No.		O2 Temp Sensor No.		O2 Temp Sensor No.		O2 Temp Sensor No.		O2 Temp Sensor No.	
NIS		Roset.		Hydro Team-PMEL		Jessa		Jessa	
No		DESIGNED		SALT		Nut.Btl		O2-Btl.No	
1		Bottom		82		83		84	
2		75		83		84		85	
3		50		84		85		86	
4		40		85		86		87	
5		35		86		87		88	
6		30		87		88		89	
7		20		88		89		90	
8		10		89		90		91	
9		0		90		91		92	
10									
11									
12									

Notes:

VESSEL		CRUISE ID TN250		PROJECT & LEG		Ship's CTD filename		STATION NO.	
R/V Thomas G. Thompson		TN250		BEST/BSIERP_Summer'10		250xxxxx		07101	
CONSC CAST #		LATITUDE		LONGITUDE		TIME (GMT)		DRY BULB	
DEG MIN		DEG MIN		DAY MO YR		HR MIN		WET BULB	
09 059 27. 04 N		173 24. 98 W		3 JUN 10		08 11		41.5	
SSE 9+		FLUOR S/N		PRESSURE		SEA STATE		WIND DIRN.	
PRESS SN		SBE43-Oxy (prime)		(mb)		*		(deg)	
PRI TEMP SN		SBE43-Oxy (sec)		WIND SPD.		CLOUD (amt)		WIND TYPE	
SEC TEMP SN		Transmissometer		(kts)		*		WEATHER	
PRI COND SN		PAR S/N		MAX. DEPTH =		(m)		BOTTOM STA. NAME/ID	
SEC COND SN		O2 Temp Sensor No.		104		104		P1402	
NIS		Roset.		Hydro Team-PMEL		Jessica		Sambroto	
DEPTH		notes		SALT		Nutrit		O2-Btl.No	
No		DESIRED		SALT		Nutrit		O2-Btl.No	
1		99		Leak		91			
2		75		Drip		92			
3		50				93			
4		46				94			
5		30		Drip		95			
6		20				96			
7		10				97			
8		0				98			
9									
10									
11									
12									

Notes:

VESSEL R/V Thomas G. Thompson		CRUISE ID TN250		PROJECT & LEG BEST/BSERP_Summer'10		Ship's CTD filename 250xxxxx		STATION NO. 072																													
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									
09159		41.59 N		17311.05 W		010154.1						43				85		7								96		P14N1									
DEG		MIN		DEG		MIN		DAY		MO		YR		HR		MIN		(°C)		(°C)		(mb)		*		*		(deg)		(kts)		*		*		(m)	
SSE 9+		FLUOR S/N		SBE43-Oxy (prime)		SBE43-Oxy (sec)		Transmissometer		PAR S/N		O2 Trip Sensor No.		REMARKS		MAX. DEPTH =		m																			
PRESS SN		SBE43-Oxy (prime)		SBE43-Oxy (sec)		Transmissometer		PAR S/N		O2 Trip Sensor No.		REMARKS		MAX. DEPTH =		m																					
PRI TEMP SN		SBE43-Oxy (prime)		SBE43-Oxy (sec)		Transmissometer		PAR S/N		O2 Trip Sensor No.		REMARKS		MAX. DEPTH =		m																					
SEC TEMP SN		SBE43-Oxy (prime)		SBE43-Oxy (sec)		Transmissometer		PAR S/N		O2 Trip Sensor No.		REMARKS		MAX. DEPTH =		m																					
PRI COND SN		SBE43-Oxy (prime)		SBE43-Oxy (sec)		Transmissometer		PAR S/N		O2 Trip Sensor No.		REMARKS		MAX. DEPTH =		m																					
SEC COND SN		SBE43-Oxy (prime)		SBE43-Oxy (sec)		Transmissometer		PAR S/N		O2 Trip Sensor No.		REMARKS		MAX. DEPTH =		m																					
NIS		Roset.		Hydro Team-PHIL		Jessica		Sambrotto		Alexei		Lomas		Moran		Harvey		Stoeker		Katrin		NIS															
DEPTH		notes		SALT		Nutrit		O2-Btl.No		CHL		Frac CHL		DIC/Alk		DOC		Urea		Part.		Prod		DON													
NO		DESIRE		notes		SALT		Nutrit		O2-Btl.No		CHL		Frac CHL		DIC/Alk		DOC		Urea		Part.		Prod		DON											
1		91		bottle 99		101		LC		SA4																											
2		50		top of 5/108		101		LC		SA4																											
3		40				101		LC		SA4																											
4		35				101		LC		SA4																											
5		35				101		LC		SA4																											
6		35				101		LC		SA4																											
7		35				101		LC		SA4																											
8		35				101		LC		SA4																											
9		30				102		SA1																													
10		30				103		LC3																													
11		10		bottle 104		104		LC2																													
12		0				105		LC1																													

Notes:

Mary Jellyfish
bottle 10 - jellyfish stings sticking out of cap

VESSEL	CRUISE ID	PROJECT & LEG	Ship's CTD filename	STATION NO.
R/V Thomas G. Thompson	TN250	BEST/BSIERP_Summer'10	250xxxxx 25007301	73
CONSC CAST #	LATITUDE	LONGITUDE	TIME (GMT)	DY BULB
DEG MIN	DEG MIN	DAY MO YR	HR MIN	(°C)
WET BULB	PRESSURE	SEA STATE	WIND DIRN.	WIND SPD.
VISIBILITY	CLOUD (amt)	TYPE WEATHER	BOTTOM DEPTH	STA. NAME/ID
09125950.82N	17266.17 W	30 JUN 10	1441	3.9
SBE 9+	FLUOR S/N	REMARKS	MAX DEPTH =	
PRESS SN	SBE43-Oxy (prime)	STD + PROT CAST (Sandbroto)		
PRI TEMP SN	SBE43-Oxy (sec)			
SEC TEMP SN	Transmissometer			
PRI COND SN	PAR S/N			
SEC COND SN	O2 Temp Sensor No.			
NIS DEPTH	Roset.	Hydro Team-PMEL	Jessica	
No. DESIRED	notes	SALT	Nut.Bt	O2-Bt.No
CHL.	Frac CHL.	DIC/AIK	DOC	Urea
Part.	Prod	DON	Alexei	Lomas
Moran	Harvey	Stoeker	Karin	Seann
No.	No.	No.	No.	No.
1	76	107	✓	✓
2	50	108	✓	✓
3	38	109	✓	✓
4	30	110	✓	✓
5	25	111	✓	✓
6	20	112	✓	✓
7	15	113	✓	✓
8	16	114	✓	✓
9	5	115	✓	✓
10	5			
11	5			
12	0	116	✓	✓

Notes:

π₂

38
25

25

20

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iv

00

VESSEL		CRUISE ID		PROJECT & LEG		Ship's CTD filename		STATION NO.	
R/V Thomas G. Thompson		TN250		BEST/BSIERP_Summer'10		250xxxxx		074	
CONSC CAST #		LATITUDE		LONGITUDE		TIME (GMT)		DRY BULB	
DEG MIN		DEG MIN		DAY MO YR		HR MIN		(°C)	
93 50 00		17 15 31		6 24 30		1 0 18		3 8	
WET BULB		PRESSURE		SEA STATE		VISIBILITY		WIND DIRN.	
(°C)		(mb)		*		*		(deg)	
45		122		8		122		8	
WIND SPD.		CLOUD (amt)		TYPE		WEATHER		BOTTOM DEPTH	
(kts)		*		*		*		(m)	
74		47		47		47		47	
SSE 9+		FLUOR S/N		SBE43-Oxy (prime)		SBE43-Oxy (sec)		Transmissometer	
PRESS SN		PAR S/N		02 Temp Sensor No.		REMARKS		MAX. DEPTH =	
PRI TEMP SN		02 Temp Sensor No.		REMARKS		MAX. DEPTH =		m	
SEC TEMP SN		02 Temp Sensor No.		REMARKS		MAX. DEPTH =		m	
PRI COND SN		02 Temp Sensor No.		REMARKS		MAX. DEPTH =		m	
SEC COND SN		02 Temp Sensor No.		REMARKS		MAX. DEPTH =		m	
NIS		Roset.		Hydro Team-PWEL		Jessica		Sambrotto	
DEPTH		notes		SALT		Nutr Blt		O2-Blt No	
No		DESIRED		CHL		Frac CHL		DIC/Alk	
1		67		117		080		LC6	
2		54		118		080		LC6	
3		40		119		080		LC5	
4		30		120		080		LC4	
5		20		121		080		LC3	
6		10		122		080		LC2	
7		0		123		080		LC1	
8		0		123		080		LC1	
9		0		123		080		LC1	
10		0		123		080		LC1	
11		0		123		080		LC1	
12		0		123		080		LC1	

Notes: Sd(φ) = 3φ, 212

VESSEL		CRUISE ID TN250		PROJECT & LEG		SHIP'S CTD filename		STATION NO.															
R/V Thomas G. Thompson		TN250		BEST/BSERP_Summer'10		250xxxxx 250 075 01		075															
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					
094	60	04	80	N	17	02	25	81	W	3	4	1	0	2	1	1	2	3.7	05	108	12	42	WL
SBE 9+		FLUOR S/N		SBEA3-Oxy (prime)		SBEA3-Oxy (sec)		Transmissometer		PAR S/N		O2 Trip Sensor No.		REMARKS									
PRESS SN		SBEA3-Oxy (prime)		SBEA3-Oxy (sec)		Transmissometer		PAR S/N		O2 Trip Sensor No.		MAX DEPTH =											
PRI TEMP SN		SBEA3-Oxy (prime)		SBEA3-Oxy (sec)		Transmissometer		PAR S/N		O2 Trip Sensor No.													
SEC TEMP SN		SBEA3-Oxy (prime)		SBEA3-Oxy (sec)		Transmissometer		PAR S/N		O2 Trip Sensor No.													
PRI COND SN		SBEA3-Oxy (prime)		SBEA3-Oxy (sec)		Transmissometer		PAR S/N		O2 Trip Sensor No.													
SEC COND SN		SBEA3-Oxy (prime)		SBEA3-Oxy (sec)		Transmissometer		PAR S/N		O2 Trip Sensor No.													
NIS		DEPTH		Roset.		Hydro Team-PMEL		Jessica		Sambrotto		Alexei		Lomas		Moran		Harvey		Stoeker		Katrin	
No	DESIRED	notes	SALT	Nut/Btl	O2-Btl/No	CHL	Frac CHL	DIC/Alk	DOC	Urea	Part.	Prod	DON	%PAR	POC	Th	Lessard	Seann	No.				
1	Bot																		1				
2	Bot																		2				
3	Bot																		3				
4	50																		4				
5	40																		5				
6	29																		6				
7	29																		7				
8	20																		8				
9	20																		9				
10	10																		10				
11	0																		11				
12	0																		12				

Notes:

SSsd 29.86 Matches CTD
Waterfall: 7.9
Dipper: 5.4, 3, 2.1, 1.2, 1.1, 1.0

West open leaders: 1, 2,

VESSEL		CRUISE ID		PROJECT & LEG		Ship's CTD filename		STATION NO.	
R/V Thomas G. Thompson		TN250		BEST/BSIERP_Summer'10		250xxxxx 250057601		76	

CONSC CAST #	LATITUDE		LONGITUDE		DAY	MO	YR	TIME (GMT) HR MIN	DRY BULB (°C)	WET BULB (°C)	PRESSURE (mb)	SEA STATE * *	WIND DIRN. (deg)	WIND SPD. (kts)	CLOUD (amt) * *	WEATHER * *	BOTTOM DEPTH (m)	STA. NAME/ID			
	DEG	MIN	DEG	MIN																	
09510	11	11.99	N	16952	82	W	30	JUL	10	23	19	03	4	03	9	06		1105	12	0052	W5

SBE 9+	FLUOR S/N	REMARKS
PRESS SN	SBE43-Oxy (prine)	
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			Sambrotto			Alexei	Lomas		Moran	Harvey	Stoecker	Katrin	Seann	N/S
			No.	DESIRED	notes	SALT	Nut.Btl	O2-Btl.No	CHL	Frac CHL	DIC/Alk	DOC		Urea	Part.						
1	40	bottom																			1
2	40																				2
3	40																				3
4	40																				4
5	30																				5
6	20																				6
7	20																				7
8	10																				8
9	10																				9
10	0																				10
11	0																				11
12	0																				12

Notes:

waterfalls: 12, 7
dripes: 5,

VESSEL		CRUISE ID TN250		PROJECT & LEG		Ship's CTD filename		STATION NO.															
R/V Thomas G. Thompson		TN250		BEST/BSIERP_Summer'10		250xxxxx 2 5 0 07701		77															
CONSC CAST #	DEG	MIN	DEG	MIN	DAY	MO	YR	HR	MIN	TIME (GMT)	DRY BULB	WET BULB	PRESSURE	SEA STATE	VISIBILITY	WIND DIRN.	WIND SPD.	CLOUD (amt)	TYPE	WEATHER	BOTTOM DEPTH	STA. NAME/ID	
0966017.41 N			16916.18 W		01	JUL	10	01	54	03	60	4.1	06			11	04	11				0044	WT
SBE 9+		FLUOR S/N		SBE43-Oxy (prime)		SBE43-Oxy (sec)		Transmissometer		PAR S/N		O2 Temp Sensor No.		REMARKS									
PRESS SN		SBE43-Oxy (prime)		SBE43-Oxy (sec)		Transmissometer		PAR S/N		O2 Temp Sensor No.		MAX. DEPTH =											
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		Sambrotto		Alexei		Lomas		Moran		Harvey		Stoeker		Katrin		NIS	
No	DESIRED	notes	SALT	Nut Btl	O2-Btl No	CHL	Frac CHL	DIC/Alk	DOC	Urea	Part.	Prod	DON	%PAR	POC	Th	Lessard			Seann	No.		
1	39	bottom									✓										1		
2	39										✓										2		
3	39										✓										3		
4	32	max									✓										4		
5	32																				5		
6	20																				6		
7	10																				7		
8	10																				8		
9	10										✓										9		
10	0										✓										10		
11	0																				11		
12	0																				12		

Notes:

waterfalls: 5, 7
 ships: 9, 12,
 After water: 2, 1

Bottle square hook CD spring removed and a
 "serifs" string installed before cast 96

VESSEL		CRUISE ID		PROJECT & LEG		Ship's CTD filename		STATION NO.	
R/V Thomas G. Thompson		TN250		BEST/BSIERP_Summer'10		250xxxxx 2 5 0		078 01	
CONSC CAST #		LATITUDE		LONGITUDE		TIME (GMT)		DRY BULB	
DEG MIN		DEG MIN		DAY MO YR		HR MIN		(°C)	
0971023.99 N		16837.22 W		01 JUL 10		041203.00		03.007	
SBE 9+		FLUOR S/N		SBE43-Oxy (pHme)		SBE43-Oxy (sec)		Transmissometer	
PRESS SN		PAR S/N		SEC COND SN		O2 Temp Sensor No.		REMARKS	
PRI TEMP SN		PAR S/N		SEC COND SN		O2 Temp Sensor No.		O2 under way at 2:09	
SEC TEMP SN		PAR S/N		SEC COND SN		O2 Temp Sensor No.		MAX DEPTH =	
PRI COND SN		PAR S/N		SEC COND SN		O2 Temp Sensor No.		m	
SEC COND SN		PAR S/N		SEC COND SN		O2 Temp Sensor No.		m	
NIS DEPTH		Roset.		Hydro Team-PWEL		Jessica		Sanbroto	
No. DESIRED		notes		SALT		Nut Brl		O2-Brl No	
1 31		bottom							
2 31		1							
3 31		B424 142		LC4 LD4					
4 20		-143		LC3 LD3					
5 20									
6 20									
7 10									
8 10		144		LC2 LD2					
9 10									
10 0									
11 0									
12 0									
NIS DEPTH		Roset.		Hydro Team-PWEL		Jessica		Sanbroto	
No. DESIRED		notes		SALT		Nut Brl		O2-Brl No	
1 31		bottom							
2 31		1							
3 31		B424 142		LC4 LD4					
4 20		-143		LC3 LD3					
5 20									
6 20									
7 10									
8 10		144		LC2 LD2					
9 10									
10 0									
11 0									
12 0									

Notes:

7, 11, 12 waterfalls

Upton spring in bottom replaced spring in #7 again with
dips: 9, 10, 11, 12

Upton spring in bottom replaced spring in #7 again with
another strips spring
spring bulged out on top of #10
bottom of #11

VESSEL		CRUISE ID		PROJECT & LEG		Ship's CTD filename		STATION NO.																															
R/V Thomas G. Thompson		TN250		BEST/BSIERP_Summer'10		250xxxxx 25042901		074																															
CONSC CAST #		LATITUDE		LONGITUDE		TIME (GMT)		DRY BULB		WET BULB		PRESSURE		SEA STATE		VISIBILITY		WIND DIRN.		WIND SPD.		CLOUD (amt)		TYPE		WEATHER		BOTTOM DEPTH		STA. NAME/ID									
DEG		MIN		DEG		MIN		DAY		MO		YR		HR		MIN		(°C)		(°C)		(mb)		*		*		(deg)		(kts)		*		*		(m)			
0986030.01		N		16759.89		W		01		JUL		10		07		00		03.50		2.70		7		06		77.1								0031					
SBE 9+				FLUOR S/N																																			
PRESS SN				SBE43-Oxy (prine)																																			
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		Sambrotto		Alexei		Lomas		Moran		Harvey		Stoeker		Katrin		Seann		NIS													
No		DESIRED		notes		SALT		Nut Btl		O2-Btl/No		CHL.		Frac CHL.		DIC/Aik		DOC		Urea		Part.		Prod		DON													
1		26		bottom																																			
2		26		1																																			
3		26						-146		197		LC4																											
4		20						147				LC3																											
5		20																																					
6		20																																					
7		10						148				LC2																											
8		10																																					
9		10																																					
10		0																																					
11		0						149				LC1																											
12		0																																					

Notes: When o-hing in everything → Top: 2,3,4,6,8,10,11
Bot: 2,3,5,6,8,9,10,11

When spring 7
reaper spring 11-8

Leaders: waterfall: 5, 11, 9, 8
When vented: 10, 12, 7, 1, 2
When opened: 4, 10, 8, 9

When o-hing in everything → Top: 2,3,4,6,8,10,11
Bot: 2,3,5,6,8,9,10,11

When o-hing in everything → Top: 2,3,4,6,8,10,11
Bot: 2,3,5,6,8,9,10,11

When o-hing in everything → Top: 2,3,4,6,8,10,11
Bot: 2,3,5,6,8,9,10,11

VESSEL		CRUISE ID TN250		PROJECT & LEG		Ship's CTD filename		STATION NO.	
R/V Thomas G. Thompson		TN250		BEST/BSIERP_Summer'10		250xxxxx 2 5 0 08101		81	

CONSC CAST #	LATITUDE		LONGITUDE		TIME (GMT)	DRY BULB (°C)	WET BULB (°C)	PRESSURE (mb)	SEA STATE VISIBILITY	WIND DIRN. (deg)	WIND SPD. (kts)	CLOUD (amt)	TYPE WEATHER	BOTTOM DEPTH (m)	STA. NAME/ID	
	DEG	MIN	DEG	MIN												DAY
1006015.13 N	16	74.4	53	W	01	JUL	10	12	17	4.1	.	06	91	13	36	K1

SBE 9+	FLUOR S/N	REMARKS Notes on station SALINITY & EAK after all O ₂ was have been replaced
PRESS SN	SBE43-Oxy (prime)	
PRI TEMP SN	SBE43-Oxy (sec)	
SEC TEMP SN	Transmissometer	
PRI COND SN	PAR S/N	
SEC COND SN	O2 Temp Sensor No.	

No	DEPTH	Roset.	Hydro Team-PMEL				Jessica			Sambrotto			Alexei	Lomas		Moran	Harvey	Stocker	Katrin	Nis
			DESIRED	notes	SALT	Nut.Btl	O2-Btl/No	CHL.	Frac CHL.	DIC/Alk	DOC	Urea		Part.	Prod					
1	Lat 30			157	216															1
2	20			153																2
3	20			156																3
4	10			157																4
5	10																			5
6	0																			6
7	0																			7
8																				8
9																				9
10																				10
11																				11
12																				12

Notes:

VESSEL		CRUISE ID TN250		PROJECT & LEG		Ship's CTD filename		STATION NO.																							
R/V Thomas G. Thompson		TN250		BEST/BSIERP_Summer10		250xxxxx		250 482 42 482																							
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			
10259		53.94 N		16744.46 W		01 JUL 10		1536		4.5		.05		45		39		13		22		22		22		22		22			
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																							
No.		DEPT#		Roset.		Hydro Team-PMEL		Jessica		Sambrotto		Alexei		Lomas		Moran		Harvey		Stoeker		Katrin		No.							
No.		DEPT#		notes		SALT		Nut.Br		O2-BR.No		CHL		Frac CHL		DIC/Alk		DOC		Urea		Part.		Prod		DON					
1		17						Q1												✓		✓		✓		✓		✓		✓	
2		13						Q2												✓		✓		✓		✓		✓		✓	
3		11						Q3												✓		✓		✓		✓		✓		✓	
4		9						Q4												✓		✓		✓		✓		✓		✓	
5		7						Q5												✓		✓		✓		✓		✓		✓	
6		5						Q6												✓		✓		✓		✓		✓		✓	
7		5						Q6												✓		✓		✓		✓		✓		✓	
8		5						Q6												✓		✓		✓		✓		✓		✓	
9		4						Q6												✓		✓		✓		✓		✓		✓	
10		10						Q6												✓		✓		✓		✓		✓		✓	
11		11						Q6												✓		✓		✓		✓		✓		✓	
12		12						Q6												✓		✓		✓		✓		✓		✓	

Notes:

VESSEL		CRUISE ID TN250		PROJECT & LEG		Ship's CTD filename		STATION NO.									
R/V Thomas G. Thompson		TN250		BEST/BSIERP_Summer'10		250xxxxx		250 0833 01 0833									
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
10359	54.00	16839.83	W	01	JUL	10	1923	4.4	.				5816			41	MN2
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				Sambrotto			Alexei	Lomas			Moran	Harvey	Stoeker	Katrin	Seann	NIS	
			No	DESIRED	notes	SALT	Nut.Btl	O2-Btl.No	CHL.	Frac CHL.	DIC/Alk	DOC	Urea		Part.	Prod	DON							%PAR
1	36	-			161	146	SA5		/							Good Bulk Test								1
2	30				162		SA1		/							"								2
3	20				163		SA3		/							11								3
4	10				164		SA2		/							Leak: a little and top								4
5	0				165		SA1		/							Leak: a little and top								5
6																Leak: a little and top								6
7																								7
8																								8
9																								9
10																								10
11																								11
12																								12

Notes:

No LEAKS

VESSEL		CRUISE ID		PROJECT & LEG		Ship's CTD filename		STATION NO.	
R/V Thomas G. Thompson		TN250		BEST/BSIERP_Summer'10		250xxxxx 2 5 0 08401		841	

CONSC CAST #	LATITUDE		LONGITUDE		TIME (GMT)	DRY BULB	WET BULB	PRESSURE	SEA STATE	VISIBILITY	WIND DIRN.	WIND SPD.	CLOUD (amt)	TYPE	WEATHER	BOTTOM DEPTH	STA. NAME/ID			
	DEG	MIN	DEG	MIN														DAY	MO	YR
1045954	03	N	169	12.14	W	01	JUL	10	22	13	04	4	04	4	04	070	9.9	004	6	MN3

SBE 9+	FLUOR S/N	REMARKS
PRESS SN	SBE43-Oxy (prine)	SSI = -1 @ 20m
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				Sambrotto				Alexei	Lomas		Moran	Harvey	Stoeker	Katrin	NIS
			No	DESIRED	notes	SALT	Nut Brl	O2-Br/I No	CHL	Frac CHL	DIC/AIK	DOC	Urea	Part.		Prod	DON					
1	43	bottom		166	064	LC5			✓		✓	✓										1
2	30			167		LC4			✓		✓										2	
3	30																				3	
4	25			168		LC4															4	
5	20			169		LC3															5	
6	10			170		LC2															6	
7	0			171		LC1			✓		✓										7	
8																					8	
9																					9	
10																					10	
11																					11	
12																					12	

Notes:

#1 was leaking - bumping underneath with fists stopped leak

#6 leaking w/top vent open

VESSEL		CRUISE ID		PROJECT & LEG		Ship's CTD filename		STATION NO.	
R/V Thomas G. Thompson		TN250		BEST/BSIERP_Summer'10		250xxxxx 2 5 0 08501		45	

CONSC CAST #	LATITUDE		LONGITUDE		TIME (GMT)	DRY BULB (°C)	WET BULB (°C)	PRESSURE (mb)	SEA STATE *	VISIBILITY *	WIND DIRN. (deg)	WIND SPD. (kts)	CLOUD (amt) *	TYPE *	WEATHER *	BOTTOM DEPTH (m)	STA. NAME/ID	
	DEG	MIN	DEG	MIN														DAY
1055954	01	N	0943	48	W	02	JUL	10	012604	204	604	0409.1	0053					

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.	

No	DEPTH	Roset.	Hydro Team-PMEL			Jessica			Sanbroto			Alexei	Lomas		Moran	Harvey	Stoeker	Katrin	Nis
			notes	SALT	Nut Bt	O2-Bt.No	CHL	Frac CHL	DIC/Alk	DOC	Urea		Part.	Prod					
1	40	bottom		172	010	LC5	/												1
2	40	1		173		LC4	/												2
3	40			173		LC4													3
4	40																		4
5	30			174		LC3	/												5
6	30																		6
7	20																		7
8	20			175		LC2	/												8
9	10																		9
10	10																		10
11	0			176	011	LC1	/												11
12	0																		12

Notes:

1147 leak when vent (top) is opened

9,10,12 2,2,2 fire

VESSEL		CRUISE ID		PROJECT & LEG		Ship's CTD filename		STATION NO.																													
R/V Thomas G. Thompson		TN250		BEST/BSIERP_Summer'10		250xxxxx 250 08601		86																													
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							
1005954.31		N		17023.52		W		02 JUL 10		033804.304.604		0520.6		0063																MNS							
DEG MIN		DEG MIN		DAY		MO		YR		HR		MIN		(°C)		(°C)		(mb)		*		*		(deg)		(kts)		*		*		(m)					
SSE 9+		FLUOR S/N		SBE43-Oxy (prime)		SBE43-Oxy (sec)		Transmissometer		PAR S/N		Q2 Temp Sensor No.		REMARKS		MAX DEPTH =		m																			
PRESS SN		SBE43-Oxy (prime)		SBE43-Oxy (sec)		Transmissometer		PAR S/N		Q2 Temp Sensor No.		REMARKS		MAX DEPTH =		m																					
PRI TEMP SN		SBE43-Oxy (prime)		SBE43-Oxy (sec)		Transmissometer		PAR S/N		Q2 Temp Sensor No.		REMARKS		MAX DEPTH =		m																					
SEC TEMP SN		SBE43-Oxy (prime)		SBE43-Oxy (sec)		Transmissometer		PAR S/N		Q2 Temp Sensor No.		REMARKS		MAX DEPTH =		m																					
PRI COND SN		SBE43-Oxy (prime)		SBE43-Oxy (sec)		Transmissometer		PAR S/N		Q2 Temp Sensor No.		REMARKS		MAX DEPTH =		m																					
SEC COND SN		SBE43-Oxy (prime)		SBE43-Oxy (sec)		Transmissometer		PAR S/N		Q2 Temp Sensor No.		REMARKS		MAX DEPTH =		m																					
NIS DEPTH		Roset.		Hydro Team-PMEL		Jessica																															
No DESIRED notes		SALT		Nut.Btl		Q2-Btl.No		CHL		Frac CHL		DIC/AIK		DOC		Urea		Part.		Prod		DON		Alexei		Lomas		Moran		Harvey		Stoeker		Katrin		NIS	
1 64 bottom				177												✓		✓				✓												1			
2 64 bottom																																		2			
3 50				178				LC6		LD6																								3			
4 50																																		4			
5 40				179				LC5		LD5																								5			
6 30				180				LC4		LD4																								6			
7 24 MAX																✓		✓				✓										7					
8 20				181				LC3		LD3																								8			
9 10																																		9			
10 10				182				LC2		LD2																								10			
11 0				183		113		LC1		LD1		✓				✓		✓				✓												11			
12 0																																		12			

Notes:

11: Bad bottom cap
 10: Make ~~bad~~ on bottom wet
 9: Didn't fire
 7: Make on bottom wet

[illegible]

Notes:

VESSEL		CRUISE ID		PROJECT & LEG		Ship's CTD filename		STATION NO.	
R/V Thomas G. Thompson		TN250		BEST/BSIERP_Summer'10		250xxxxx		2 5 0 089101	
CONSC CAST #		LATITUDE		LONGITUDE		TIME (GMT)		DRY BULB	
DEG MIN		DEG MIN		DAY MO YR		HR MIN		(°C)	
105954.06N		17212.06W		02 JUL 10		1333		4.5	
SBE 9+		FLUOR S/N		PRESSURE		SEA STATE		WIND DIRN.	
PRESS SN		SBE43-Oxy (prime)		(mb)		*		(deg)	
PRI TEMP SN		SBE43-Oxy (sec)		VISIBILITY		WIND SPD.		(kts)	
SEC TEMP SN		Transmissometer		CLOUD (amt)		TYPE		WEATHER	
PRI COND SN		PAR S/N		BOTTOM DEPTH		STA. NAME/ID			
SEC COND SN		O2 Temp Sensor No.		(m)		MAX. DEPTH =		m	
REMARKS		on repeat at 20 m, fine snow got some line							

NIS	DEPTH	Roset.	Hydro Team-PMEL				Jessica				Sambrotto				Alexei	Lomas		Moran	Harvey	Stoeker	Katrin	NIS
			No	DESIRED	notes	SALT	Nut.Btl	O2-Btl.No	CHL.	Frac CHL.	DIC/AIK	DOC	Urea	Part.		Prod	DON					
1	68	X		9	218				✓	✓												1
2	56	21, Hic		10		LC6																2
3	40	21, Hic		11		LC5			✓	✓												3
4	30	21, Hic		12		LC4			✓	✓												4
5	20	21, Hic		13		LC3			✓	✓												5
6	10	21, Hic		14		LC2																6
7	0	21, Hic		15		LC1			✓	✓												7
8																						8
9																						9
10																						10
11																						11
12																						12

Notes:

VESSEL		CRUISE ID		PROJECT & LEG		Ship's CTD filename		STATION NO.	
R/V Thomas G. Thompson		TN250		BEST/BSERP_Summer'10		250xxxxx		250 0994 02 094	
CONSC CAST #		LATITUDE		LONGITUDE		TIME (GMT)		DRY BULB	
DEG		MIN		DEG		MIN		WET BULB	
11259		53.87N		17245.98W		02101639		4.5	
SBE 9+		FLUOR S/N		TIME (GMT)		DRY BULB		WET BULB	
PRESS SN		SBE43-Oxy (prime)		TIME (GMT)		DRY BULB		WET BULB	
PRI TEMP SN		SBE43-Oxy (sec)		TIME (GMT)		DRY BULB		WET BULB	
SEC TEMP SN		Transmissometer		TIME (GMT)		DRY BULB		WET BULB	
PRI COND SN		PAR S/N		TIME (GMT)		DRY BULB		WET BULB	
SEC COND SN		O2 Trip Sensor No.		TIME (GMT)		DRY BULB		WET BULB	
NIS		Roset.		Hydro Team-PMEL		Jessica		Sambrotto	
DEPTH		notes		SALT		Nut Btl		O2-Btl No	
No		DESIRE		CHL		Frac CHL		DIC/Alk	
1		784		8427		16		221	
2		50		17		18		LC6	
3		40		18		19		LC5	
4		30		19		20		LC4	
5		20		20		21		LC3	
6		10		21		22		LC2	
7		0		22		LC1		LC1	
8									
9									
10									
11									
12									
REMARKS		STA Cast		MAX. DEPTH =		74		m	

Notes:

VESSEL		CRUISE ID TN250				PROJECT & LEG				Ship's CTD filename				STATION NO.																							
R/V Thomas G. Thompson		TN250				BEST/BSIERP_Summer 10				250xxxxx 2 5 0 09101				91																							
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							
11359		54.00N		17323.99W		02JUL10		1913		4.6		.03		2112														87		MN10							
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				O2 Temp Sensor No.																																	
NIS		DEPTH		Roset.		Hydro Team-PMEL		Jessica																													
No		DESIRED		notes		SALT		Nut Btl		O2-Btl/No		CHL		Frac CHL		DIC/Alk		DOC																			
1		BOT		✓				23		235						✓				✓		✓															
2		50		✓				24		LC		LC6																									
3		40						25		LC		LC5				✓																					
4		40																																			
5		40																																			
6		34						1				304				✓				✓		✓															
7		30						26				LC4				✓																					
8		20						27				LC3																									
9		10						28				LC2																									
10		0						29				LC1				✓				✓		✓															
11																																					
12																																					

Notes:

Jessica
40-2
34-1

VESSEL R/V Thomas G. Thompson		CRUISE ID TN250		PROJECT & LEG BEST/BSIERP_Summer'10		Ship's CTD filename 250xxxxx 2 5 0 09201		STATION NO. 092																																			
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													
11459.54		01 N		174 00.00 W		02 JUL 10		230504.9		05.904		0167.5		01101																MNN/1													
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)																																							
PRT TEMP SN				SBE43-Oxy (sec)																																							
SEC TEMP SN				Transmissometer																																							
PRT COND SN				PAR S/N																																							
SEC COND SN				02 Temp Sensor No.																																							
NIS		DEPTH		Roset.		Hydro Team-PMEL		Jessica																																			
No		DESIRED		notes		SALT		Nut.Bt		O2-Bt.No		CHL.		Frac CHL.		DIC/ALK		DOC		Urea		Part.		Prod		DON		Alexei		Lomas		Moran		Harvey		Stoeker		Katrin		Seann		NIS	
1		96		bottom				30		212										✓		✓				✓																1	
2		75						31																																2			
3		50						32				LC5																										3					
4		40						33				LC4																										4					
5		34		max				34												✓		✓				✓												5					
6		30						35				LC3																										6					
7		20						36				LC2																										7					
8		10						37				LC1								✓		✓				✓												8					
9																																						9					
10																																						10					
11																																						11					
12																																						12					

Notes:

interference caused by a large jelly fish
surface bottle did not confirm and drifting

REMARKS
Salinity + Temperature Secondary Sensors
measure for upcast

MAX. DEPTH = m

VESSEL		CRUISE ID TN250		PROJECT & LEG		Ship's CTD filename		STATION NO.	
R/V Thomas G. Thompson		TN250		BEST/BSIERP_Summer'10		250xxxxx 250 096 41		496	

CONSC CAST #	LATITUDE		LONGITUDE		TIME (GMT)	DRY BULB	WET BULB	PRESSURE	SEA STATE	VISIBILITY	WIND DIRN.	WIND SPD.	CLOUD (amt)	TYPE	WEATHER	BOTTOM DEPTH	STA. NAME/ID	
	DEG	MIN	DEG	MIN														DAY
1185954	54	2N	17624	42W	03	JUL	10	1234	4.5								144	MN15

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

No	DEPTHD	notes	Hydro Team-PMEL				Jessica				Sambrotto			Alexei	Lomas		Moran	Harvey	Stoeker	Katrin	Seann	MIS	
			SALT	Nut.Btl	O2-Btl.No	CHL.	Frac CHL.	DIC/Aik	DOC	Urea	Part.	Prod	DON		%PAR	POC							Th
1	135			63	219																		1
2	160			66																			2
3	75			67																			3
4	50			68			LC6	LD6															4
5	45			69			LC5	LD5															5
6	40																						6
7	30	Leak S.O. 2.5		70			LC4	LD4															7
8	20			71			LC3	LD3															8
9	10	drum 1 bar		72			LC2	LD2															9
10	08	1 bar		73			LC1	LD1															10
11																							11
12																							12

Jessica
40

Notes:

VESSEL		CRUISE ID		PROJECT & LEG		Ship's CTD filename		STATION NO.																							
R/V Thomas G. Thompson		TN250		BEST/BSIERP_Summer'10		250xxxxx		250009761																							
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			
1195954.01N		17700.00W		03 JUL 10		1500		3.6		.		48		*		*		(deg)		(kts)		*		*		(m)		136		MNL/C	
SBE 9+		FLUOR S/N		SBE43-Oxy (prime)		SBE43-Oxy (sec)		Transmissometer		PAR S/N		O2 Trip Sensor No.		REMARKS		MAX. DEPTH =		m													
PRESS SN		SBE43-Oxy (prime)		SBE43-Oxy (sec)		Transmissometer		PAR S/N		O2 Trip Sensor No.		REMARKS		MAX. DEPTH =		m															
PRI TEMP SN		SBE43-Oxy (prime)		SBE43-Oxy (sec)		Transmissometer		PAR S/N		O2 Trip Sensor No.		REMARKS		MAX. DEPTH =		m															
SEC TEMP SN		SBE43-Oxy (prime)		SBE43-Oxy (sec)		Transmissometer		PAR S/N		O2 Trip Sensor No.		REMARKS		MAX. DEPTH =		m															
PRI COND SN		SBE43-Oxy (prime)		SBE43-Oxy (sec)		Transmissometer		PAR S/N		O2 Trip Sensor No.		REMARKS		MAX. DEPTH =		m															
SEC COND SN		SBE43-Oxy (prime)		SBE43-Oxy (sec)		Transmissometer		PAR S/N		O2 Trip Sensor No.		REMARKS		MAX. DEPTH =		m															
NIS		Roset.		Hydro Team-PMEL		Jessica		Sambrotto		Alexei		Lomas		Moran		Harvey		Stoeker		Katrin		NIS									
No		DETH		SALT		Nut Btl		O2-Btl No		CHL		Frac CHL		DIC/Alk		DOC		Urea		Part.		Prod		DON							
1		131				74		127						✓				✓		✓											
2		100				75																									
3		75				75																									
4		50				77				LC6																					
5		40				78				LC4				✓																	
6		32		H1CBL		79				SN1								✓		✓											
7		20				80				LC3																					
8		10				81				LC2																					
9		0		Sacko		82				LC1				✓																	
10																															
11																															
12																															

Notes:

[illegible]

Notes:

Twenty

$$\begin{array}{r} 51 \\ 33 \\ 27 \\ 20 \\ \hline 137-3 \end{array}$$

VESSEL		CRUISE ID TN250		PROJECT & LEG		Ship's CTD filename		STATION NO.	
R/V Thomas G. Thompson		TN250		BEST/BSIERP_Summer'10		250xxxxx 250 0 098 01		098	

CONSC CAST #	LATITUDE			LONGITUDE			TIME (GMT)	DRY BULB	WET BULB	PRESSURE	SEA STATE	VISIBILITY	WIND DIRN.	WIND SPD.	CLOUD (amt)	TYPE	WEATHER	BOTTOM DEPTH	STA. NAME/ID
	DEG	MIN	SEC	DEG	MIN	SEC													
1215954.02N	177	36	44W	03	JUL	10	1945	3.8		09	*	*	090007					137	MN17

SBE 9+	FLUOR S/N	REMARKS
PRESS SN	SBE 43-Oxy (prime)	
PRI TEMP SN	SBE 43-Oxy (sec)	
SEC TEMP SN	Transmissometer	
PRI COND SN	PAR S/N	
SEC COND SN	O2 Temp Sensor No.	

NIS	DEPTH	Roset.	Hydro Team-PMEL			Jessica			Sambrotto			Alexei	Lomas			Moran	Harvey	Stoeker	Katrin	NIS
			No	DESIRED	notes	SALT	Nut.Btl	O2-Btl.No	CHL	Frac CHL	DIC/Alk		DOC	Urea	Part.					
1	132			83	145			X												1
2	100			84																2
3	75			85				X												3
4	50			86		LC6														4
5	40			87		LC5		X												5
6	30	pl. mof		88		SA1		X												6
7	20			89		LC3														7
8	10			90		LC2		X												8
9	0			91		LC1														9
10																				10
11																				11
12																				12

Notes:

[illegible]

Notes:

VESSEL		CRUISE ID		TN250		PROJECT & LEG		SHIP'S CTD filename		STATION NO.	
R/V Thomas G. Thompson		TN250		BEST/BSERP_Summer'10		250xxxxx		2 5 0 100021		150	

CONSC CAST #	LATITUDE		LONGITUDE		TIME (GMT)	DRY BULB	WET BULB	PRESSURE	SEA STATE	VISIBILITY	WIND DIRN.	WIND SPD.	CLOUD (amt)	TYPE	WEATHER	BOTTOM DEPTH	STA. NAME/ID	
	DEG	MIN	DEG	MIN														DAY
1235954	12359	54.00	N	17851	00	W04	JUL	10	0226	66.1	06.9	11.1	320	4.1			225	TD4
REMARKS																		
MAX DEPTH =																		

SBE 9+		FLUOR S/N		SBE43-Oxy (prine)		SBE43-Oxy (sec)		Transmissometer		PAR S/N		PAR COND SN		SFC COND SN	
PRESS SN		SBE43-Oxy (prine)		SBE43-Oxy (sec)		Transmissometer		PAR S/N		PAR COND SN		SFC COND SN		02 Temp Sensor No.	

No	DEPTH	Roset.	notes	Hydro Team-PMEL				Jessica				Sambrotto				Alexei	Lomas		Moran	Harvey	Stoeker	Katrin	Nis	
				SALT	Nut Bit	O2-Bit/No	CHL	Frac CHL	DIC/Aik	DOC	Urea	Part.	Prod	DON	%PAR		POC	Th						Lessard
1	220		both bms		102																			1
2	150				103																			2
3	100				104																			3
4	100																							4
5	75				105																			5
6	60				106																			6
7	50				107																			7
8	40				108																			8
9	MAX		34		109																			9
10	25				110																			10
11	10				111																			11
12	0				112																			12

Notes:

VESSEL		CRUISE ID TN250		PROJECT & LEG		Ship's CTD filename		STATION NO.	
R/V Thomas G. Thompson		TN250		BEST/BSERP_Summer'10		250xxxxx 25010101		101	

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
1245954	01	N	7845	04	W04	JUL	10	0400	06.0	06.2	11	314	25			146	MNH

DEG	MIN	DEG	MIN	DAY	MO	YR	HR	MIN	(°C)	(°C)	(mb)	*	*	(deg)	(kts)	*	*	(m)
-----	-----	-----	-----	-----	----	----	----	-----	------	------	------	---	---	-------	-------	---	---	-----

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

NIS	DEPTH	Roset.	Hydro Team-PMEL			Jessica			Sambrotto			Alexei	Lomas			Moran	Harvey	Stoeker	Karin	Seann	NIS
No	DESIRED	notes	SALT	Nut Btl	O2-Btl/No	CHL	Frac CHL	DIC/Alk	DOC	Urea	Part.	Prod	DON	%PAR	POC	Th	Lessard			No.	
1	143	bottom		113		/														1	
2	100			114																2	
3	75			115		/														3	
4	50			116				LC5												4	
5	40			117				LC4												5	
6	30	max		118		/		SBI												6	
7	20			119		/		LC3												7	
8	10			120				LC2												8	
9	0			121	143	/		LC1												9	
10																				10	
11																				11	
12																				12	

Notes:

#8 bottom string out
#9 leaked when spigot pushed in

VESSEL		CRUISE ID TN250		PROJECT & LEG		SHIP'S CTD filename		STATION NO.	
R/V Thomas G. Thompson		TN250		BEST/BSIERP_Summer'10		250xxxxx 2 5 0 10201		102	
CONSC CAST #		LATITUDE		LONGITUDE		TIME (GMT)		DRY BULB	
DEG MIN		DEG MIN		DAY MO YR		HR MIN		WET BULB	
1 15 59 53.99 N		1 79 23.99 W		04 JUL 10		06 58 07.0		07.0 12	
SBE 9+		FLUOR S/N		PRESSURE		SEA STATE		WIND DIRN.	
PRESS SN		SBE43-Oxy (prime)		VISIBILITY		WIND SPD.		CLOUD (amt)	
PRI TEMP SN		SBE43-Oxy (sec)		WIND TYPE		WEATHER		BOTTOM DEPTH (m)	
SEC TEMP SN		Transmissometer		MAX. DEPTH =		STA. NAME/ID			
PRI COND SN		PAR S/N				MN20			
SEC COND SN		02 Temp Sensor No.							

Nis	DEPTH	ROSET.	Hydro Team-PWEL			Jessica			Sambrotto			Alexei	Lomas			Moran	Harvey	Stoeker	Katrin	Nis
			No.	DESIRED	notes	SALT	Nut.Br	O2-Br.No	CHL.	Frac CHL.	DIC/ALK		DOC	Urea	Part.					
1	2750	bottom	XB433	-122	197-			/	/											1
2	2500		XB434	-123	175-			/	/											2
3	2250			-124	107-			/	/											3
4	2000		XB435	-125	14-			/	/											4
5	1750			-126	208-			/	/											5
6	1500		XB436	-127	239-			/	/											6
7	1250			-128	182-			/	/											7
8	1000		XB437	-129	196-			/	/											8
9	800		X	-130				/	/											9
10	600		XB438	-131	147			/	/											10
11	400		XB439	-132	178			/	/											11
12	300			-133	11			/	/											12

Notes:

439/ No nut, samples filtered
yes

Stopcock leaders: 9, 10, 11, 4

Deep half of deep cast

VESSEL		CRUISE ID		PROJECT & LEG		Ship's CTD filename		STATION NO	
R/V Thomas G. Thompson		TN250		BEST/BSIERP_Summer'10		250xxxxx		25010202	
CONSC CAST #		LATITUDE		LONGITUDE		TIME (GMT)		DRY BULB	
DEG MIN		DEG MIN		DAY MO YR		HR MIN		(°C)	
1265954.00		N 17923.98		W 04 JUL 10		0946		7.4	
SBE 9+		FLUOR S/N		REMARKS		PRESSURE		SEA STATE	
PRESS SN		SBE43-Oxy (prime)		Shelf on half of deep cast		(mb)		VISIBILITY	
PRI TEMP SN		SBE43-Oxy (sec)				*		WIND DIRN.	
SEC TEMP SN		Transmissometer				12		(deg)	
PRI COND SN		PAR S/N				291414		(kts)	
SEC COND SN		O2 Temp Sensor No.				2711		WIND SPD.	
						MAX DEPTH =		CLOUD (amt)	
								TYPE	
								WEATHER	
								BOTTOM DEPTH	
								(m)	
								STA. NAME/ID	
								MN24	

NO	DEPTH	ROSET.	Hydro Team-PMEL	Jessica	Sanbroto	Alexei	Lomas	Moran	Harvey	Stoeker	Katrin	Nils
DESIRED	notes	SALT	Nut Btl	O2-Btl/NO	CHL	Frac CHL	DIC/Alk	DOC	Urea	Part.	Prod	DON
1	200		-134	231								
2	175		-135									
3	150		-136									
4	125		-137									
5	100		-138									
6	75		-139									
7	50		-140									
8	40		-141	120	LC5	LD5						
9	30		-142		LC4	LD4						
10	20	MAX	-143	058	SA1	LD3						
11	10		-144		LD2	LD2						
12	0		-145	147	LC1	LD1						

Notes:

Chlorophyll max ~ 20M

VESSEL		CRUISE ID		PROJECT & LEG		Ship's CTD filename		STATION NO.	
R/V Thomas G. Thompson		TN250		BEST/BSIERP_Summer'10		250xxxxx		25010203	
CONSC CAST #		LATITUDE		LONGITUDE		TIME (GMT)		DRY BULB	
DEG		MIN		DEG		MIN		WET BULB	
127		59		17		24		05 W	
44		N		05		W		44	
JUL		10		11		38		7.3	
12		5		4		J		12	
5		4		05		W		44	
44		N		05		W		44	
127		59		17		24		05 W	
44		N		05		W		44	
JUL		10		11		38		7.3	
12		5		4		J		12	
5		4		05		W		44	
44		N		05		W		44	
127		59		17		24		05 W	
44		N		05		W		44	
JUL		10		11		38		7.3	
12		5		4		J		12	
5		4		05		W		44	
44		N		05		W		44	
127		59		17		24		05 W	
44		N		05		W		44	
JUL		10		11		38		7.3	
12		5		4		J		12	
5		4		05		W		44	
44		N		05		W		44	
127		59		17		24		05 W	
44		N		05		W		44	
JUL		10		11		38		7.3	
12		5		4		J		12	
5		4		05		W		44	
44		N		05		W		44	
127		59		17		24		05 W	
44		N		05		W		44	
JUL		10		11		38		7.3	
12		5		4		J		12	
5		4		05		W		44	
44		N		05		W		44	
127		59		17		24		05 W	
44		N		05		W		44	
JUL		10		11		38		7.3	
12		5		4		J		12	
5		4		05		W		44	
44		N		05		W		44	
127		59		17		24		05 W	
44		N		05		W		44	
JUL		10		11		38		7.3	
12		5		4		J		12	
5		4		05		W		44	
44		N		05		W		44	
127		59		17		24		05 W	
44		N		05		W		44	
JUL		10		11		38		7.3	
12		5		4		J		12	
5		4		05		W		44	
44		N		05		W		44	
127		59		17		24		05 W	
44		N		05		W		44	
JUL		10		11		38		7.3	
12		5		4		J		12	
5		4		05		W		44	
44		N		05		W		44	
127		59		17		24		05 W	
44		N		05		W		44	
JUL		10		11		38		7.3	
12		5		4		J		12	
5		4		05		W		44	
44		N		05		W		44	
127		59		17		24		05 W	
44		N		05		W		44	
JUL		10		11		38		7.3	
12		5		4		J		12	
5		4		05		W		44	
44		N		05		W		44	
127		59		17		24		05 W	
44		N		05		W		44	
JUL		10		11		38		7.3	
12		5		4		J		12	
5		4		05		W		44	
44		N		05		W		44	
127		59		17		24		05 W	
44		N		05		W		44	
JUL		10		11		38		7.3	
12		5		4		J		12	
5		4		05		W		44	
44		N		05		W		44	
127		59		17		24		05 W	
44		N		05		W		44	
JUL		10		11		38		7.3	
12		5		4		J		12	
5		4		05		W		44	
44		N		05		W		44	
127		59		17		24		05 W	
44		N		05		W		44	
JUL		10		11		38		7.3	
12		5		4		J		12	
5		4		05		W		44	
44		N		05		W		44	
127		59		17		24		05 W	
44		N		05		W		44	
JUL		10		11		38		7.3	
12		5		4		J		12	
5		4		05		W		44	
44		N		05		W		44	
127		59		17		24		05 W	
44		N		05		W		44	
JUL		10		11		38		7.3	
12		5		4		J		12	
5		4		05		W		44	
44		N		05		W		44	
127		59		17		24		05 W	
44		N		05		W		44	
JUL		10		11		38		7.3	
12		5		4		J		12	
5		4		05		W		44	
44		N		05		W		44	
127		59		17		24		05 W	
44		N		05		W		44	
JUL		10		11		38		7.3	
12		5		4		J		12	
5		4		05		W		44	
44		N		05		W		44	
127		59		17		24		05 W	
44		N		05		W		44	
JUL		10		11		38		7.3	
12		5		4		J		12	
5		4		05		W		44	
44		N		05		W		44	
127		59		17		24		05 W	
44		N		05		W		44	
JUL		10		11		38		7.3	
12		5		4		J		12	
5		4		05		W		44	
44		N		05		W		44	
127		59		17		24		05 W	
44		N		05		W		44	
JUL		10		11		38		7.3	
12		5		4		J		12	
5		4		05		W		44	
44		N		05		W		44	
127		59		17		24		05 W	
44		N		05		W		44	
JUL		10		11		38		7.3	
12		5		4		J		12	
5		4		05		W		44	
44		N		05		W		44	
127		59		17		24		05 W	
44		N		05		W		44	
JUL		10		11		38		7.3	
12		5		4		J		12	
5		4		05		W		44	
44		N		05		W		44	
127		59		17		24		05 W	
44		N		05		W		44	
JUL		10		11		38		7.3	
12		5		4		J		12	
5		4		05		W		44	
44		N		05		W		44	
127		59		17		24		05 W	
44		N		05		W		44	
JUL		10		11		38		7.3	
12		5		4		J		12	
5		4		05		W		44	
44		N		05		W		44	
127		59		17		24		05 W	
44		N		05		W		44	
JUL		10		11		38		7.3	
12		5		4		J		12	
5		4		05		W		44	
44		N		05		W		44	
127		59		17		24		05 W	
44		N		05		W		44	
JUL		10		11		38		7.3	
12		5		4		J		12	
5		4		05		W		44	
44		N		05		W		44	
127		59		17		24		05 W	
44		N		05		W		44	
JUL		10		11		38		7.3	
12		5		4		J		12	
5		4		05		W		44	
44		N		05		W		44	
127		59		17		24		05 W	
44		N		05		W		44	
JUL		10		11		38		7.3	
12		5		4		J		12	
5		4		05		W		44	
44		N		05		W		44	
127		59		17		24		05 W	
44		N		05		W		44	
JUL		10		11		38		7.3	
12		5		4		J		12	
5		4		05		W		44	
44		N		05		W		44	
127		59		17		24		05 W	
44		N		05		W		44	
JUL		10		11		38		7.3	
12		5		4		J		12	
5		4		05		W		44	
44		N		05		W		44	
127									

VESSEL		CRUISE ID		PROJECT & LEG		Ship's CTD filename		STATION NO.														
R/V Thomas G. Thompson		TN250		BEST/BSERP - Summer'10		2500000 2 5 0 163 41		163														
CONSC CAST #	DEG	LATITUDE	DEG	MIN	DAY	MO	YR	HR	MIN	TIME (GMT)	DRY BULB	WET BULB	PRESSURE	SEA STATE	VISIBILITY	WIND DIRN.	WIND SPD.	CLOUD (amt)	TYPE	WEATHER	BOTTOM DEPTH	STA. NAME/D
1285956.02N		17853.48W			4	10	10	16	29	6.1			11			40542					198	TM4
SSE 9+		FLUOR S/N		SSE43-Oxy (prime)		SSE43-Oxy (sec)		Transmissometer		PAR S/N		O2 Temp Sensor No.		REMARKS								
PRESS SN		SSE43-Oxy (prime)		SSE43-Oxy (sec)		Transmissometer		PAR S/N		O2 Temp Sensor No.		PROD CAST in middle of 3rd Trap Deployment										
PRI TEMP SN		SSE43-Oxy (prime)		SSE43-Oxy (sec)		Transmissometer		PAR S/N		O2 Temp Sensor No.												
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.												
Hydro Team-PMEL		Jessica		Sanbroto		Alexei		Lomas		Moran		Harvey		Stockert		Katrin						
No	DEPTH	Roset.	SALT	Nut Btl	O2-Btl/No	CHL	Frac CHL	DIC/Alk	DOC	Urea	Part.	Prod	DON	%PAR	POC	Th	Lessard	Seam	No.			
1	19.5									✓	✓	✓	✓						1			
2	46			01/14						✓	✓	✓	✓	1.5%					2			
3	35			147															3			
4	35																		4			
5	30			02/148						✓	✓	✓	✓	5%					5			
6	24			03/149						✓	✓	✓	✓	9%					6			
7	18			04/150						✓	✓	✓	✓	13%					7			
8	12			05/151						✓	✓	✓	✓	30%					8			
9	6			06/152						✓	✓	✓	✓	55%					9			
10	1			07/153						✓	✓	✓	✓	100%					10			
11																			11			
12																			12			

Notes:

Transmissometer lens cleaned with DIW + lens papers before cast

Torathar

Dave

Cul Max ~ 35-2

46 12
30 6
24 1
18

VESSEL		CRUISE ID		PROJECT & LEG		Ship's CTD filename		STATION NO.	
R/V Thomas G. Thompson		TN250		BEST/BSIERP_Summer10		250xxxxx 25010401		104	

CONSC CAST #	LATITUDE		LONGITUDE		TIME (GMT)	DRY BULB (°C)	WET BULB (°C)	PRESSURE (mb)	SEA STATE * *	VISIBILITY (deg)	WIND DIRN. (kts)	WIND SPD. (kts)	CLOUD (amt)	TYPE WEATHER	BOTTOM DEPTH (m)	STA. NAME/ID	
	DEG	MIN	DEG	MIN													DAY
129604.01	17	33.5	97	W	04	JUL	10	19	18	5.7	.	12			040605	140	M120

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			Sambrotto			Alexei	Lomas			Moran	Harvey	Stoeker	Karrn	NIS	
			No	DESIRED	notes	SALT	Nut-Btl	O2-Btl	No	CHL	Frac CHL		DIC/Alk	DOC	Urea						Part.
1	135		3441	154	112																1
2	160			155																	2
3	60			156																	3
4	50			157																	4
5	40	40 MIN		158																	5
6	40																				6
7	30			159																	7
8	20			160																	8
9	10			161																	9
10	0			162																	10
11																					11
12																					12

Notes: 4+10 - not gas T194T Jessica
 back when postcast 60-1
 postcast in 40-2

VESSEL		CRUISE ID TN250		PROJECT & LEG		Ship's CTD filename		STATION NO.	
R/V Thomas G. Thompson		TN250		BEST/BSIERP-Summer10		250xxxxx 250		106 01 106	
CONSC CAST #		LATITUDE		LONGITUDE		TIME (GMT)		DRY BULB	
DEG MIN		DEG MIN		DAY MO YR		HR MIN		WET BULB	
13 40 11.26 N		1 78 09.50 W		02 40 06.30		06.31		29 43.9	
SBE 9+		FLUOR S/N		REMARKS		Sta 105 had no CTD there time passed		MAX DEPTH =	
PRESS SN		SBE43-Oxy (prime)		on our master list I inadvertently named our		station 105 not 106 - head to correct (FTH)			
PRI TEMP SN		SBE43-Oxy (sec)		I saved it in Seann's folder as 2010601-109					
SEC TEMP SN		Transmissometer							
PRI COND SN		PAR S/N							
SEC COND SN		02 Temp Sensor No.							
NIS DEPTH		Roset.		Hydro Team-PMEL		Jessica		Sambrotto	
No DESIRED		notes		SALT		Nut.BI		02-BI.No	
1 144		bottom.		163		198			
2 100				164					
3 75				165					
4 50				166					
5 40				167					
6 30		max		168					
7 20				169					
8 10				170					
9 0				171					
10				172					
11				173					
12				174					

Notes: 779 leaks when bag pushed in

[illegible]

Notes:

July Max ~ 35

7-8 hours over

VESSEL		CRUISE ID		PROJECT & LEG		Ship's CTD filename		STATION NO.	
R/V Thomas G. Thompson		TN250		BEST/BSERP_Summer10		250xxxxx		25011001	
CONSC CAST #		LATITUDE		LONGITUDE		TIME (GMT)		DRY BULB	
DEG		MIN		DEG		MIN		WET BULB	
134		6437.58 N		17617.99 W		05 JUL 10		1125	
SBE 9+		FLUOR S/N		TIME (GMT)		DRY BULB		WET BULB	
PRESS SN		SBE43-Oxy (pHme)		TIME (GMT)		DRY BULB		WET BULB	
PRI TEMP SN		SBE43-Oxy (sec)		TIME (GMT)		DRY BULB		WET BULB	
SEC TEMP SN		Transducer		TIME (GMT)		DRY BULB		WET BULB	
PRI COND SN		PAR S/N		TIME (GMT)		DRY BULB		WET BULB	
SEC COND SN		02 Temp Sensor No.		TIME (GMT)		DRY BULB		WET BULB	
NIS		Roset.		Hydro Team-PWEL		Jessica		Sambrotto	
DEPTH		notes		SALT		Nut.Btl		O2-Btl.No.	
No.		DESIRE		CHL		Frac CHL		DIC/ALK	
1		117		8443		11		003	
2		60		12		LC6		LD6	
3		40		13		LC5		LD5	
4		30		14		LC4		LD4	
5		30		15		LC3		LD3	
6		30		16		LC2		LD2	
7		30		17		LC1		LD1	
8		30		18		LC0		LD0	
9		30		19		LC-1		LD-1	
10		30		20		LC-2		LD-2	
11		30		21		LC-3		LD-3	
12		30		22		LC-4		LD-4	

Notes:

Jessica
40

Leeward + Sta. Cast

REMARKS

MAX DEPTH =

m

VESSEL		CRUISE ID		PROJECT & LEG		Ship's CTD filename		STATION NO.	
R/V Thomas G. Thompson		TN250		BEST/BSIERP_Summer'10		250xxxxx 250 111 01		111	

CONSC CAST #	LATITUDE		LONGITUDE		TIME (GMT)	DRY BULB (°C)	WET BULB (°C)	PRESSURE (mb)	SEA STATE * *	VISIBILITY * *	WIND DIRN. (deg)	WIND SPD. (kts)	CLOUD (amt) * * *	WEATHER * *	BOTTOM DEPTH (m)	STA. NAME/ID
	DEG	MIN	DEG	MIN												
1356044.33	N	17554.41	W	0510	1408	4.5	.	10	*	*	23	4	*	*	112	ML14

SBE 9+	FLUOR S/N	REMARKS Jellyfish noisy temp + 5 and more upcast and downcast and upcast 12 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.	

No	DEPTH Desired	Roset. Notes	Hydro Team-PMEL				Jessica				Sambrotto				Alexei	Lomas		Moran	Harvey	Stoeker	Katrin	Seann	No.
			SALT	Nut.Btl	O2-Btl/No	CHL.	Frac CHL.	DIC/Aik	DOC	Urea	Part.	Prod	DON	%PAR		POC	Th						
1	103	✓		18	244																	1	
2	75			19																		2	
3	50			20		LC4																3	
4	40			21		LC5																4	
5	35			22		LC4																5	
6	20			23		LC3																6	
7	10			24		LC2																7	
8	0			25		LC1																8	
9																						9	
10																						10	
11																						11	
12																						12	

Notes:

8-guusher ~ gasket on top & bottom

[illegible]

Notes: 8 - fine now
4+5 - not good

VESSEL		CRUISE ID		PROJECT & LEG		Ship's CTD filename		STATION NO.	
R/V Thomas G. Thompson		TN250		BEST/BSIERP_Summer'10		250xxxxx		2 5 0 11301	
CONSC CAST #		LATITUDE		LONGITUDE		TIME (GMT)		DRY BULB	
DEG MIN		DEG MIN		DAY MO YR		HR MIN		(°C)	
1306057.76N		17455.21W		05 JUL 10		200200.1		06.1	
WET BULB		PRESSURE		SEA STATE		VISIBILITY		WIND DIRN.	
(°C)		(mb)		*		*		(deg)	
04.1		11.1		04		11		4	
WIND SPD.		CLOUD (amt)		TYPE		WEATHER		BOTTOM DEPTH	
(kts)		*		*		*		(m)	
97		97		97		97		97	
MAX DEPTH =		m							
SBE 9+		FLUOR S/N		SBE43-Oxy (prine)		SBE43-Oxy (sec)		Transmissometer	
PRESS SN									
PRI TEMP SN									
SEC TEMP SN									
PRI COND SN									
SEC COND SN									
O2 Temp Sensor No.									
N/S		DEPTH		Roset.		Hydro Team-PMEL		Jessica	
No		DESIRED		notes		SALT		Nuc.Btl	
1		89		bottom				-34	
2		75						-35	
3		50						-36	
4		40						-37	
5		35		max				-38	
6		30						-39	
7		20						-40	
8		10						-41	
9		6				B445-42		-074	
10								LC1	
11									
12									
N/S		DEPTH		Roset.		Hydro Team-PMEL		Jessica	
No		DESIRED		notes		SALT		Nuc.Btl	
1		89		bottom				-34	
2		75						-35	
3		50						-36	
4		40						-37	
5		35		max				-38	
6		30						-39	
7		20						-40	
8		10						-41	
9		6				B445-42		-074	
10								LC1	
11									
12									

Notes: 074 #78 leaking from bottom, ch. 10?

VESSEL		CRUISE ID		PROJECT & LEG		Ship's CTD filename		STATION NO.	
R/V Thomas G. Thompson		TN250		BEST/BSIERP_Summer'10		250xxxxx		2 5 0 1401	
CONSC CAST #		LATITUDE		LONGITUDE		TIME (GMT)		DRY BULB	
DEG		MIN		DEG		MIN		WET BULB	
139		104		74		27		05	
16		49		57		05		JUL 10	
		N		W		18		04	
						09		05	
						12		05	
						31		3	
SBE 9+		FLUOR S/N		REMARKS		MAX DEPTH =		m	
PRESS SN		SBE43-Oxy (prine)							
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		Alexei	
No		notes		SALT		Nut Btl		O2-Btl No	
1		81		bottom		43		217	
2		50				44		45	
3		40				45		SP2	
4		36		max		46		SB1	
5		30		max		47		LC4	
6		20				48		LC3	
7		10				49		LC2	
8		0				50		LC1	
9									
10									
11									
12									

Notes:

217

4, 8 bottom leakers

VESSEL		CRUISE ID		PROJECT & LEG		Ship's CTD filename		STATION NO.	
R/V Thomas G. Thompson		TN250		BEST/BSIERP_Summer'10		250xxxxx		25011501	
CONSC CAST #		LATITUDE		LONGITUDE		TIME (GMT)		DRY BULB	
DEG		MIN		DEG		MIN		WET BULB	
140		11.21		7359.99		001304.50		6.212	
N				W		JUL		0	
SBE 9+		FLUOR S/N		TIME (GMT)		DRY BULB		WET BULB	
PRESS SN		SBE43-Oxy (prime)		HR		MIN		°C	
PRI TEMP SN		SBE43-Oxy (sec)		001304.50		6.212		4316	
SEC TEMP SN		Transmissometer		001304.50		6.212		4316	
PRI COND SN		PAR S/N		001304.50		6.212		4316	
SEC COND SN		O2 Temp Sensor No.		001304.50		6.212		4316	
NIS		Roset.		Hydro Team-PMEL		Jessica		Sanbroto	
No.		DESIRED		SALT		Nutr Btl		O2-Btl No	
1		73 bottom		-451		LC5		LD5	
2		50		-352		LC4		LD4	
3		40 max		-353		LC3		LD3	
4		30		-354		LC2		LD2	
5		20		-355		LC1		LD1	
6		10		-356					
7		0		-357					
8									
9									
10									
11									
12									

Notes:

Bottom vent opened. Looker: 4, 7

VESSEL		CRUISE ID		PROJECT & LEG		Ship's CTD filename		STATION NO.	
R/V Thomas G. Thompson		TN250		BEST/BSERP_Summer'10		250xxxxx		11601	
CONSC CAST #		LATITUDE		LONGITUDE		TIME (GMT)		DRY BULB	
DEG MIN		DEG MIN		DAY MO YR		HR MIN		(°C)	
1 41 17.93 N		17332.37 W		06 JUL 10		020804		706.012	
SSE 9+		FLUOR S/N		REMARKS		MAX DEPTH =		m	
PRESS SN		SBE43-Oxy (prine)							
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		Sambrotto	
No DESIRED		notes		SALT		NUT.Btl		O2-Btl.No	
1 18		bottom		3446		58		-226	
2 50						59		LC6	
3 46						60		LC5	
4 30						61		LC4	
5 20						62		LC3	
6 10						63		LC2	
7 0						64		LC1	
8									
9									
10									
11									
12									

Notes:

VESSEL		CRUISE ID		PROJECT & LEG		Ship's CTD filename		STATION NO.	
R/V Thomas G. Thompson		TN250		BEST/BSIERR_Summer'10		250xxxxx		25011701	
CONSC CAST #		LATITUDE		LONGITUDE		TIME (GMT)		ML8	
1426124.66N		17304.77W		06JUL10		043205.305.812		00817	
DEG MIN		DEG MIN		DAY MO YR		HR MIN		MAX DEPTH =	
1426124.66N		17304.77W		06 JUL 10		043205.305.812		70	
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		Sambrotto	
No DESIRED		notes		SALT		Nutr Btl		O2-Btl No	
1		15 bottom		-65		LC6		LC5	
2		50		-66		LC6		LC5	
3		40		-67		LC5		LC4	
4		30		-68		LC4		LC3	
5		20		-69		LC3		LC2	
6		10		-70		LC2		LC1	
7		0		-71		207		LC1	
8									
9									
10									
11									
12									

Notes:

Looks when vented: 3
 Jelly fish again - from 113 to this cast with varying amts. of disturbed water to times
 Sensors flushed after every cast and frame wiped with paper towels

VESSEL	CRUISE ID	PROJECT & LEG	Ship's CTD filename	STATION NO.
R/V Thomas G. Thompson	TN250	BEST/BSERP_Summer'10	250xxxxx	118
CONSC CAST #	LATITUDE	LONGITUDE	TIME (GMT)	DRY BULB
DEG MIN	DEG MIN	DAY MO YR	HR MIN	(°C)
WET BULB	PRESSURE	SEA STATE	WIND DIRN.	WIND SPD.
CLD (amt)	TYPE	WEATHER	BOTTOM DEPTH	STA. NAME/ID
1436131.35 N	17237.24 W	06 JUL 10	062805.105.711	35013
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 Trnp Sensor No.			
NIS	DEPTH	Roset.	Hydro Team-PMEL	Jessica
No	DESIRED	notes	SALT	Mut.Btl
1	100	bottom - 247	-72	-136
2	50		-73	
3	40		-74	
4	30		-75	
5	20		-76	
6	10		-77	
7	0		-78	
8				
9				
10				
11				
12				

Notes:

VESSEL		CRUISE ID		PROJECT & LEG		Ship's CTD filename		STATION NO.	
R/V Thomas G. Thompson		TN250		BEST/BSIERP_Summer'10		250xxxxx		25011901	
CONSC CAST #		LATITUDE		LONGITUDE		TIME (GMT)		DRY BULB	
14461		38.06 N		17209.72 W		06 JUL 10		0844	
DEG		MIN		DEG		MIN		YR	
HR		MIN		SEC		MIN		SEC	
1		4		1		3		5	
FLUOR S/N		SBE43-Oxy (prime)		SBE43-Oxy (sec)		Transmissometer		PAR S/N	
SBE 9+		SBE43-Oxy (prime)		SBE43-Oxy (sec)		Transmissometer		PAR S/N	
PRESS SN		SBE43-Oxy (prime)		SBE43-Oxy (sec)		Transmissometer		PAR S/N	
PRI TEMP SN		SBE43-Oxy (prime)		SBE43-Oxy (sec)		Transmissometer		PAR S/N	
SEC TEMP SN		SBE43-Oxy (prime)		SBE43-Oxy (sec)		Transmissometer		PAR S/N	
PRI COND SN		SBE43-Oxy (prime)		SBE43-Oxy (sec)		Transmissometer		PAR S/N	
SEC COND SN		SBE43-Oxy (prime)		SBE43-Oxy (sec)		Transmissometer		PAR S/N	
O2 Temp Sensor No.		O2 Temp Sensor No.		O2 Temp Sensor No.		O2 Temp Sensor No.		O2 Temp Sensor No.	
NIS DEPTH		Roset.		Hydro Team-PMEL		Jessica		DOC	
No DESIRED		notes		SALT		Nut.Btl		O2-Btl.No	
1		55		79		171		LC6	
2		56		80		LC6		LC6	
3		40		81		SA1		LC4	
4		30		82		LC3		LC4	
5		20		83		LC2		LC3	
6		10		84		LC1		LC2	
7		0		85		LC1		LC1	
8		-		bottom closed		-		-	
9		-		-		-		-	
10		-		-		-		-	
11		-		-		-		-	
12		-		-		-		-	

Upcast - possible jellyfish nearby

VESSEL		CRUISE ID TN250		PROJECT & LEG		Ship's CTD filename		STATION NO.	
R/V Thomas G. Thompson		TN250		BEST/BSIERP_Summer'10		250xxxxx 2 5 0 124 01		124	

CONSC CAST #	DEG	MIN	SEC	LONGITUDE	DEG	MIN	SEC	TIME (GMT)	DRY BULB	WET BULB	PRESSURE	SEA STATE	VISIBILITY	WIND DIRN.	WIND SPD.	CLOUD (amt)	TYPE	WEATHER	BOTTOM DEPTH	STA. NAME/ID	
145	6	14	4	80 N	17	14	2	05	W	06	JUL	10	10	41	4.1		11		00228	158	ML5

SBE 9+	FLUOR S/N	SBE 43-Oxy (prime)	SBE 43-Oxy (sec)	Transmissometer	PAR S/N	O2 Temp Sensor No.
PRESS SN						
PRI TEMP SN						
SEC TEMP SN						
PRI COND SN						
SEC COND SN						

NO	DEPTH	Roset.	Hydro Team-PMEL	Jessica	Sambrotto	Alexei	Lomas	Moran	Harvey	Stoeker	Katrin	NIS
DESIGNED	notes	SALT	Nut.Btl	O2-Btl/No	CHL	Frac CHL	DIC/AIK	DOC	Urea	Part.	Prod	DON
1	50			209								1
2	50			86	LC6	LC6						2
3	40			87	LC5	LD5						3
4	35				SA1							4
5	35											5
6	35											6
7	35											7
8	35											8
9	30				LC4	LD4						9
10	20				LC3	LD3						10
11	10				LC2	LD2						11
12	0				LC1	LD1						12

Notes:

waves building - interfere way too

VESSEL		CRUISE ID		PROJECT & LEG		Ship's CTD filename		STATION NO.	
R/V Thomas G. Thompson		TN250		BEST/BSIERP_Summer10		250xxxxx		2 5 0 121 01	
CONSC CAST #		LATITUDE		LONGITUDE		TIME (GMT)		DRY BULB	
DEG MIN		DEG MIN		DAY MO YR		HR MIN		(°C)	
14661 51.52 N 171.14 W		46 06 J U L 1 0 13 11		3.5		.		10	
SBE 9+		FLUOR S/N		REMARKS		PRESSURE		SEA STATE	
PRESS SN		SBE43-Oxy (prine)				(mb)		*	
PRI TEMP SN		SBE43-Oxy (sec)				VISIBILITY		WIND DIRN.	
SEC TEMP SN		Transmissometer				(deg)		(kts)	
PRI COND SN		PAR S/N				WIND SPD.		CLOUD (amt)	
SEC COND SN		O2 Temp Sensor No.				TYPE		WEATHER	
						BOTTOM DEPTH		STA. NAME/ID	
						(m)		ML4	
						MAX. DEPTH =		53	
						m			

No	DEPTH	Roset. notes	Hydro Team-PMEL				Jessica				Sanbroto				Alexei	Lomas		Moran	Harvey	Stoeker	Katrin	Nils
			SALT	Nut.Btl	O2-Btl.No	CHL.	Frac CHL.	DIC/Aik	DOC	Urea	Part.	Prod	DON	%PAR		POC	Tth					
1	42			92		LC6																1
2	40			93		LC5																2
3	30			94		LC4																3
4	20			95		LC3																4
5	10			96		LC2																5
6	0			97		LC1																6
7																						7
8																						8
9																						9
10																						10
11																						11
12																						12

Notes:

noisy signal - saas v10 ft, rough

VESSEL		CRUISE ID		TN250		PROJECT & LEG		Ship's CTD filename		250xxxxx		250		122		01		STATION NO.		122													
R/V Thomas G. Thompson		TN250		BEST/BSIERP_Summer'10		250xxxxx		250		122		01		122		01		122		122													
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			
1476158.24 N		17		84.82 W		06 J U L 10		1530		3.1		.		10		01519		54												ML3			
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 DEPTH		Roset.		Hydro Team-PMEL		Jessica		Sanbroto		Alexei		Lomas		Moran		Harvey		Stoeker		Katrin		NIS											
No. DESIRED		notes		SALT		Nut Btl		O2-Btl No		CHL.		Frac CHL.		DIC/Aik		DOC		Urea		Part.		Prod		DON									
1 43						98												✓		✓		✓		✓									
2 33						9194												✓		✓		✓		✓									
3 27						82/100												✓		✓		✓		✓									
4 26						82/101												✓		✓		✓		✓									
5 13						84/102												✓		✓		✓		✓									
6 10						85/103												✓		✓		✓		✓									
7 7						86/104												✓		✓		✓		✓									
8 7																		✓		✓		✓		✓									
9 7																		✓		✓		✓		✓									
10 1						87/105												✓		✓		✓		✓									
11 1																		✓		✓		✓		✓									
12																		✓		✓		✓		✓									

Notes:

33
27
26
13
7-3
Φ

[illegible]

Notes:

VESSEL		CRUISE ID		PROJECT & LEG		Ship's CTD filename		STATION NO.	
R/V Thomas G. Thompson		TN250		BEST/BSIERP_Summer'10		250xxxxx		250 124 01	
CONSC CAST #		LATITUDE		LONGITUDE		TIME (GMT)		DRY BULB	
14910211.99 N		10950.96 W		201403.905.110		819		42	
DEG MIN		DEG MIN		DAY MO YR		HR MIN		°C °C	
149 02 11		109 50 96		06 JUL 10		20 14 03		905 110	
SEC 9+		FLUOR S/N		REMARKS		MAX DEPTH =		m	
PRESS SN		SBE43-Oxy (prine)							
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	
DESIRED		notes		SALT		Nut:Btl		O2-Btl:No	
1 37		bottom		112		SB3		SAH	
2 30				113		SB2		SA2	
3 23		max		114		SB1		SA1	
4 10				115		LC2		LD2	
5 0				3449		116		228	
6								LC1	
7								LD1	
8									
9									
10									
11									
12									

Notes:

VESSEL		CRUISE ID		PROJECT & LEG		Ship's CTD filename		STATION NO.	
R/V Thomas G. Thompson		TN250		BEST/BSICRP_Summer'10		250xxxxx 2 5 0 18501		125	

CONSC CAST #	LATITUDE		LONGITUDE		TIME (GMT)	DRY BULB	WET BULB	PRESSURE	SEA STATE	VISIBILITY	WIND DIRN.	WIND SPD.	CLOUD (amt)	TYPE	WEATHER	BOTTOM DEPTH	STA. NAME/ID			
	DEG	MIN	DEG	MIN														DAY	MO	YR
15010212.100	12	10	71015.47	15	06	11	02	22	43	04	2	04	9	11			10	15	45	SL2

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	Hydro Team-PMEL				Jessica				Sambrotto				Alexei	Lomas				Moran	Harvey	Stoeker	Katrin	Seann	No.
				SALT	Nut.Btl	O2-Btl.No	CHL	Frac CHL	DIC/Alk	DOC	Urea	Part.	Prod	DON	%PAR		POC	Th	Lessard							
1	40	bottom		117	088	LC5		1				✓	✓													1
2	30			118		LC4		1				✓	✓													2
3	23			119		LC3		1				✓	✓													3
4	10			120		LC2		1																		4
5	0			121		LC1		1				✓	✓													5
6																										6
7																										7
8																										8
9																										9
10																										10
11																										11
12																										12

Notes:

VESSEL		CRUISE ID		TN250		PROJECT & LEG		BEST/BSIERP_Summer'10		Ship's CTD filename		250xxxxx		2 5 0 12801		STATION NO.		184	
R/V Thomas G. Thompson		TN250																	

CONSC CAST #	LATITUDE		LONGITUDE		TIME (GMT)	DRY BULB	WET BULB	PRESSURE	SEA STATE	VISIBILITY	WIND DIRN.	WIND SPD.	CLOUD (amt)	TYPE	WEATHER	BOTTOM DEPTH	STA. NAME/ID		
	DEG	MIN	DEG	MIN														DAY	MO
15362	12	01	71	28	916	W	07	JUL	10	0326	04	705.4	12			21	15	48	SL5
SBE 9+ _____ FLUOR S/N _____ PRESS SN _____ SBE43-Oxy (prine) _____ PRI TEMP SN _____ SBE43-Oxy (sec) _____ SEC TEMP SN _____ Transmissometer _____ PRI COND SN _____ PAR S/N _____ SEC COND SN _____ O2 Temp Sensor No. _____																			

No	DEPT H	Roset.	Hydro Team-PMEL				Jessica				Sambrotto				Alexei	Lomas			Moran	Harvey	Stoeker	Katrin	No.
			DESIRED	notes	SALT	Nut.Btl	O2-Btl.No	CHL.	Frac CHL.	DIC/Alk	DOC	Urea	Part.	Prod		DON	%PAR	POC					
1	43	bottom	B451	157		LC5	LD5	/															1
2	30			158		LC4	LD4	/															2
3	20			159		LC3	LD3	/															3
4	10			160		LC2	LD2	/															4
5	0			161	206	LC1	LD1	/															5
6																							6
7																							7
8																							8
9																							9
10																							10
11																							11
12																							12

Notes:

VESSEL		CRUISE ID		PROJECT & LEG		Ship's CTD filename		STATION NO.	
R/V Thomas G. Thompson		TN250		BEST/BIERP_Summer'10		250xxxxx 2 5 0		129	
CONSC	LATITUDE	LONGITUDE		TIME (GMT)		DRY BULB	WET BULB	PRESSURE	SEA STATE
CAST #	DEG MIN	DEG MIN	DAY	MO	YR	HR	MIN	(°C)	(°C)
1546211.99	N	17153.37	W	07	JUL	10	052104.7	05.7	12
SBE 9+	FLUOR S/N	REMARKS		1 liter bottle 5 got confirmation, bottle not tripped					
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	02 Temp Sensor No.								
NIS	DEPTH	Reset.	Hydro Team-PMEL		Jessica		Samboritto		Alexei
No.	DESIRED	notes	SALT	Nut.Btl	02-Btl.No	CHL.	Frac CHL.	DIC/Alk	DOC
1	43	bottom		162	172	LC4		/	
2	36			163		LC3		/	
3	20			164		LC2		/	
4	10			165		LC1		/	
5	6	N/O		166				N/O	RIE
6									
7									
8									
9									
10									
11									
12									

Notes:

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VESSEL		CRUISE ID TN250		PROJECT & LEG		Ship's CTD filename		STATION NO.	
R/V Thomas G. Thompson		TN250		BEST/BSIERP - Summer'10		250xxxxx 25013001		130	

CONSC CAST #	LATITUDE		LONGITUDE		TIME (GMT)	DRY BULB	WET BULB	PRESSURE	SEA STATE	VISIBILITY	WIND DIRN.	WIND SPD.	CLOUD (amt)	TYPE WEATHER	BOTTOM DEPTH	STA. NAME/ID		
	DEG	MIN	DEG	MIN													DAY	MO
1556212.00	N	17217.95	W	074	JUL	10	0647	04.5	05.5	13						55	SL7	

☐ SBE 9+ ☐ FLUOR S/N ☐ SBE43-Oxy (prime) ☐ SBE43-Oxy (sec) ☐ Transmissometer ☐ PAR S/N ☐ SEC COND SN ☐ PAR S/N ☐ 02 Temp Sensor No.

☐ PRESS SN ☐ SBE43-Oxy (prime) ☐ SBE43-Oxy (sec) ☐ Transmissometer ☐ PAR S/N ☐ SEC COND SN ☐ PAR S/N ☐ 02 Temp Sensor No.

REMARKS

MAX. DEPTH = m

Nrs	DEPTH	Roset.	Hydro Team-PMEL				Jessica				Sambrotto				Alexei	Lomas		Moran	Harvey	Stoeker	Katrin	Seann	Nrs
			DESIRED	notes	SALT	Nut.Btl	02-Btl.No	CHL.	Frac CHL.	DIC/Alk	DOC	Urea	Part.	Prod		DON	%PAR						
1	50	bottom		166		LC6	LD6	/															1
2	40			167		LC5	LD5	/															2
3	30			168		LC4	LD4	/															3
4	20			169		LC3	LD3																4
5	10			170		LC2	LD2																5
6	10																						6
7	0			171		LC1	LD1	/															7
8																							8
9																							9
10																							10
11																							11
12																							12

Notes:

VESSEL		CRUISE ID		PROJECT & LEG		Ship's CTD filename		STATION NO.	
R/V Thomas G. Thompson		TN250		BEST/BSIERP_Summer10		250xxxxx		25013101	
CONSC CAST #		LATITUDE		LONGITUDE		TIME (GMT)		DRY BULB	
DEG		MIN		DEG		MIN		WET BULB	
15662111		.999		17243.44		W		.6	
N		N		W		J		U	
				L		1		0	
				4824		5		.6	
				14				.14	
				66		16			
				57					
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			
DEPTH		notes		SALT		Nut.Btl		O2-Btl.No	
No.		No.		CHL.		Frac CHL.		DIC/ALK	
1		52		172		187		LC6	
2		40		173				LC5	
3		30		174				LC4	
4		24		175					
5		20		176				LC3	
6		10		177				LC2	
7		0		178				LC1	
8									
9									
10									
11									
12									

Notes:

VESSEL		CRUISE ID		PROJECT & LEG		Ship's CTD filename		STATION NO.											
R/V Thomas G. Thompson		TN250		BEST/BSIERP_Summer'10		250xxxxx 250 132 41		132											
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		
1576212.01N 17346.96W 07 JUL 10 0951 5.6 14 06316 59							(°C)	(°C)	(mb)	*	*	(deg)	(kts)	*	*	(m)	SL9		
SBE 9+ _____ FLUOR S/N _____ PRESS SN _____ SBEA3-Oxy (prime) _____ PRT TEMP SN _____ SBEA3-Oxy (sec) _____ SEC TEMP SN _____ Transmissometer _____ PRT COND SN _____ PAR S/N _____ SEC COND SN _____ Q2 Temp Sensor No. _____																			
REMARKS <i>Lead and Cast 75M</i>																			
MAX. DEPTH = _____ m																			
NIS DEPTH		Roset.		Hydro Team-PHEL		Jessica		Sambrotto		Alexei	Lomas		Moran	Harvey	Stoeker	Katrin	NIS		
No	DESIRED	notes	SALT	Mut.Bt	O2-Btl.No	CHL.	Frac CHL.	DIC/Alk	DOC	Urea	Part.	Prod	DON	%PAR	POC	Th	Lessard	Seann	No.
1	53	✓		179	163	LC6		X											1
2	40			180		LC5													2
3	36			181		LC4													3
4	36																		4
5	36																		5
6	36	—	old not fine																6
7	36																		7
8	36																		8
9	30			182		LC3		X											9
10	20			183		LC2													10
11	10	—	did not fine																11
12	0			184		LC1		X										M2	12

Notes:

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VESSEL		CRUISE ID		PROJECT & LEG		Ship's CTD filename		STATION NO.																							
R/V Thomas G. Thompson		TN250		BEST/BSERP-Summer10		250xxxxx 250 133 01		133																							
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	
1586212.84N		7331.48W		07 JUL 10		1303		4.9		.		14		*		*		(deg)		(kts)		*		*		(m)		SL14			
DEG MIN		DEG MIN		DAY MO YR		HR MIN		(°C)		(°C)		(mb)		*		*		(deg)		(kts)		*		*		(m)					
SBE 9+		FLUOR S/N		SBE43-Oxy (prime)		SBE43-Oxy (sec)		Transmissometer		PAR S/N		O2 Temp Sensor No.		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		DEPTH		Roset.		Hydro Team-PMEL		Jessica		Sambrotto		Alexei		Lomas		Moran		Harvey		Stoeker		Katrin		NIS							
No		DESIRED		notes		SALT		Nut.Btl		O2-Btl.No		CHL.		Frac CHL.		DIC/ALK		DOC		Urea		Part.		Prod		DON					
1		57		-		185		214				LC6		LB6				X													
2		50				186						LC6		LB6																	
3		40				187						LC5		LB5				X													
4		30				188						LC4		LB4				X													
5		20				189						LC3		LB3				X													
6		10				1						LC2		LB2																	
7		0				0452		2				LC1		LB1				X													
8																															
9																															
10																															
11																															
12																															

Notes:

VESSEL		CRUISE ID		PROJECT & LEG		Ship's CTD filename		STATION NO.	
R/V Thomas G. Thompson		TN250		BEST/BSIERP_Summer10		250xxxxy 25013401		134	

CONSC CAST #	LATITUDE		LONGITUDE		TIME (GMT)	DRY BULB	WET BULB	PRESSURE	SEA STATE	VISIBILITY	WIND DIRN.	WIND SPD.	CLOUD (amt)	TYPE	WEATHER	BOTTOM DEPTH	STA. NAME/ID	
	DEG	MIN	DEG	MIN														DAY
159	61	12	173	55	09	07	01	10	14	30	5	7						SL11

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	02 Temp Sensor No.	

NIS	DEPTH	Reset.	Hydro Team-PMEL				Jessica				Sambroto				Alexei	Lomas		Moran	Harvey	Stoeker	Katrin	NIS
			No	DESIRED	notes	SALT	Nut.Bri	02-Btl.No	CHL.	Frac CHL.	DIC/Alk	DOC	Urea	Part.		Prod	DON					
1	60	-		3		111			X												1	
2	50			4		106															2	
3	40			5		105															3	
4	30			6		104			X												4	
5	20			7		103															5	
6	10			8		102															6	
7	0			9		101			X												7	
8																					8	
9																					9	
10																					10	
11																					11	
12																					12	

Notes:

VESSEL		CRUISE ID		PROJECT & LEG		Ship's CTD filename		STATION NO.	
R/V Thomas G. Thompson		TN250		BEST/BSERP_Summer'10		250xxxxx		25013462	
CONSC CAST #		LATITUDE		LONGITUDE		TIME (GMT)		DRY BULB	
DEG MIN		DEG MIN		DAY MO YR		HR MIN		(°C)	
1 40 62 12		44 N		73 55 99 W		07 JUL 10		15 11 5.8	
SSE 9+		FLUOR S/N		SBE43-Oxy (prime)		SBE43-Oxy (sec)		Transmissometer	
PRESS SN		SBE43-Oxy (prime)		SBE43-Oxy (sec)		Transmissometer		PAR S/N	
PRI TEMP SN		SBE43-Oxy (prime)		SBE43-Oxy (sec)		Transmissometer		PAR S/N	
SEC TEMP SN		SBE43-Oxy (prime)		SBE43-Oxy (sec)		Transmissometer		PAR S/N	
PRI COND SN		SBE43-Oxy (prime)		SBE43-Oxy (sec)		Transmissometer		PAR S/N	
SEC COND SN		SBE43-Oxy (prime)		SBE43-Oxy (sec)		Transmissometer		PAR S/N	
O2 Trip Sensor No.		O2 Trip Sensor No.		O2 Trip Sensor No.		O2 Trip Sensor No.		O2 Trip Sensor No.	
N/S		Roset.		Hydro Team-PMEL		Jessica		Sanbroto	
No		DESIRED		SALT		Nutr Btl		O2-Btl.No	
1		40							
2		46							
3		33							
4		30							
5		24							
6		18							
7		12							
8		6							
9		6							
10		0							
11									
12									
N/S		Roset.		Hydro Team-PMEL		Jessica		Sanbroto	
No		DESIRED		SALT		Nutr Btl		O2-Btl.No	
1		40							
2		46							
3		33							
4		30							
5		24							
6		18							
7		12							
8		6							
9		6							
10		0							
11									
12									

Notes:

PROD Cont

134

5L11

MAX. DEPTH = m

[illegible]

Notes:

Chl Max ~27-28m

VESSEL		CRUISE ID TN250		PROJECT & LEG		Ship's CTD filename		STATION NO.																													
R/V Thomas G. Thompson		TN250		BEST/BSIERP_Summer'10		250xxxxx 250 137 01		137																													
CONSC CAST #		LATITUDE		LONGITUDE		TIME (GMT)		DRY BULB		WET BULB		PRESSURE		SEA STATE		VISIBILITY		WIND DIRL.		WIND SPD.		CLOUD (amt)		TYPE		WEATHER		BOTTOM DEPTH		STA. NAME/ID							
16302		12.03 N		17509.58 W		07 JUL 10		2130		04.30		06.41		018		94		23										79		SL14							
DEG		MIN		DEG		MIN		DAY		MO		YR		HR		MIN		(°C)		(°C)		(mb)		*		*		(deg)		(kts)		*		*		(m)	
SBE 9+		FLUOR S/N		SBE43-Oxy (pHme)		SBE43-Oxy (sec)		Transmissometer		PAR S/N		O2 Trip Sensor No.		REMARKS		MAX DEPTH =		m																			
PRESS SN		SBE43-Oxy (pHme)		SBE43-Oxy (sec)		Transmissometer		PAR S/N		O2 Trip Sensor No.		REMARKS		MAX DEPTH =		m																					
PRI TEMP SN		SBE43-Oxy (pHme)		SBE43-Oxy (sec)		Transmissometer		PAR S/N		O2 Trip Sensor No.		REMARKS		MAX DEPTH =		m																					
SEC TEMP SN		SBE43-Oxy (pHme)		SBE43-Oxy (sec)		Transmissometer		PAR S/N		O2 Trip Sensor No.		REMARKS		MAX DEPTH =		m																					
PRI COND SN		SBE43-Oxy (pHme)		SBE43-Oxy (sec)		Transmissometer		PAR S/N		O2 Trip Sensor No.		REMARKS		MAX DEPTH =		m																					
SEC COND SN		SBE43-Oxy (pHme)		SBE43-Oxy (sec)		Transmissometer		PAR S/N		O2 Trip Sensor No.		REMARKS		MAX DEPTH =		m																					
NIS DEPTH		Roset.		Hydro Team-PMEL		Jessica		Sambrotto		Alexei		Lomas		Moran		Harvey		Stoeker		Katrin		Nis															
No DESIRED		notes		SALT		Nut Btl		O2-Btl.No		CHL		Frac CHL		DIC/Alk		DOC		Urea		Part.		Prod		DON													
1 74		bottom		-24		016																															
2 50				25				LC6																													
3 40				26				LC5																													
4 30				27				LC4																													
5 27		max		28				SB1																													
6 20				29				LC3																													
7 10				30				LC2																													
8 0				31				LC1																													
9																																					
10																																					
11																																					
12																																					

Notes:

VESSEL		CRUISE ID		PROJECT & LEG		Ship's CTD filename		STATION NO	
R/V Thomas G. Thompson		TN250		BEST/BSERP_Summer'10		250xxxxx		136	
CONSC CAST #		LATITUDE		LONGITUDE		TIME (GMT)		DRY BULB	
1646212.02 N		7533.99 W		07 JUL 10		225804.70		5.718	
DEG MIN		DEG MIN		DAY MO YR		HR MIN		(°C)	
FLUOR S/N		SBE43-Oxy (prime)		SBE43-Oxy (sec)		Transmissometer		PAR S/N	
SBE 9+		SBE43-Oxy (prime)		SBE43-Oxy (sec)		Transmissometer		PAR S/N	
PRESS SN		SBE43-Oxy (prime)		SBE43-Oxy (sec)		Transmissometer		PAR S/N	
PRI TEMP SN		SBE43-Oxy (prime)		SBE43-Oxy (sec)		Transmissometer		PAR S/N	
SEC TEMP SN		SBE43-Oxy (prime)		SBE43-Oxy (sec)		Transmissometer		PAR S/N	
PRI COND SN		SBE43-Oxy (prime)		SBE43-Oxy (sec)		Transmissometer		PAR S/N	
SEC COND SN		SBE43-Oxy (prime)		SBE43-Oxy (sec)		Transmissometer		PAR S/N	
O2 Temp Sensor No.		O2 Temp Sensor No.		O2 Temp Sensor No.		O2 Temp Sensor No.		O2 Temp Sensor No.	
N/S		Roset.		Hydro Team-PMEL		Jessica		Sanbroto	
No		DESIRED		SALT		Nut.Bti		O2-Bti.No	
1		60 bottom		32		LC6		LC5	
2		50		33		LC6		LC5	
3		40		34		LC5		LC5	
4		40		35		LC5		LC5	
5		36		36		LC4		LC4	
6		30		37		LC3		LC3	
7		20		38		LC2		LC2	
8		10		39		LC1		LC1	
9		0		39		LC1		LC1	
10									
11									
12									
N/S		Roset.		Hydro Team-PMEL		Jessica		Sanbroto	
No		DESIRED		SALT		Nut.Bti		O2-Bti.No	
1		60 bottom		32		LC6		LC5	
2		50		33		LC6		LC5	
3		40		34		LC5		LC5	
4		40		35		LC5		LC5	
5		36		36		LC4		LC4	
6		30		37		LC3		LC3	
7		20		38		LC2		LC2	
8		10		39		LC1		LC1	
9		0		39		LC1		LC1	
10									
11									
12									
N/S		Roset.		Hydro Team-PMEL		Jessica		Sanbroto	
No		DESIRED		SALT		Nut.Bti		O2-Bti.No	
1		60 bottom		32		LC6		LC5	
2		50		33		LC6		LC5	
3		40		34		LC5		LC5	
4		40		35		LC5		LC5	
5		36		36		LC4		LC4	
6		30		37		LC3		LC3	
7		20		38		LC2		LC2	
8		10		39		LC1		LC1	
9		0		39		LC1		LC1	
10									
11									
12									
N/S		Roset.		Hydro Team-PMEL		Jessica		Sanbroto	
No		DESIRED		SALT		Nut.Bti		O2-Bti.No	
1		60 bottom		32		LC6		LC5	
2		50		33		LC6		LC5	
3		40		34		LC5		LC5	
4		40		35		LC5		LC5	
5		36		36		LC4		LC4	
6		30		37		LC3		LC3	
7		20		38		LC2		LC2	
8		10		39		LC1		LC1	
9		0		39		LC1		LC1	
10									
11									
12									
N/S		Roset.		Hydro Team-PMEL		Jessica		Sanbroto	
No		DESIRED		SALT		Nut.Bti		O2-Bti.No	
1		60 bottom		32		LC6		LC5	
2		50		33		LC6		LC5	
3		40		34		LC5		LC5	
4		40		35		LC5		LC5	
5		36		36		LC4		LC4	
6		30		37		LC3		LC3	
7		20		38		LC2		LC2	
8		10		39		LC1		LC1	
9		0		39		LC1		LC1	
10									
11									
12									
N/S		Roset.		Hydro Team-PMEL		Jessica		Sanbroto	
No		DESIRED		SALT		Nut.Bti		O2-Bti.No	
1		60 bottom		32		LC6		LC5	
2		50		33		LC6		LC5	
3		40		34		LC5		LC5	
4		40		35		LC5		LC5	
5		36		36		LC4		LC4	
6		30		37		LC3		LC3	
7		20		38		LC2		LC2	
8		10		39		LC1		LC1	
9		0		39		LC1		LC1	
10									
11									
12									
N/S		Roset.		Hydro Team-PMEL		Jessica		Sanbroto	
No		DESIRED		SALT		Nut.Bti		O2-Bti.No	
1		60 bottom		32		LC6		LC5	
2		50		33		LC6		LC5	
3		40		34		LC5		LC5	
4		40		35		LC5		LC5	
5		36		36		LC4		LC4	
6		30		37		LC3		LC3	
7		20		38		LC2		LC2	
8		10		39		LC1		LC1	
9		0		39		LC1		LC1	
10									
11									
12									
N/S		Roset.		Hydro Team-PMEL		Jessica		Sanbroto	
No		DESIRED		SALT		Nut.Bti		O2-Bti.No	
1		60 bottom		32		LC6		LC5	
2		50		33		LC6		LC5	
3		40		34		LC5		LC5	
4		40		35		LC5		LC5	
5		36		36		LC4		LC4	
6		30		37		LC3		LC3	
7		20		38		LC2		LC2	
8		10		39		LC1		LC1	
9		0		39		LC1		LC1	
10									
11									
12									
N/S		Roset.		Hydro Team-PMEL		Jessica		Sanbroto	
No		DESIRED		SALT		Nut.Bti		O2-Bti.No	
1		60 bottom		32		LC6		LC5	
2		50		33		LC6		LC5	
3		40		34		LC5		LC5	
4		40		35		LC5		LC5	
5		36		36		LC4		LC4	
6		30		37		LC3		LC3	
7		20		38		LC2		LC2	
8		10		39		LC1		LC1	
9		0		39		LC1		LC1	
10									
11									
12									
N/S		Roset.		Hydro Team-PMEL		Jessica		Sanbroto	
No		DESIRED		SALT		Nut.Bti		O2-Bti.No	
1		60 bottom		32		LC6		LC5	
2		50		33		LC6		LC5	
3		40		34		LC5		LC5	
4		40		35		LC5		LC5	
5		36		36		LC4		LC4	
6		30		37		LC3		LC3	
7		20		38		LC2		LC2	
8		10		39		LC1		LC1	
9		0		39		LC1		LC1	
10									
11									
12									
N/S		Roset.		Hydro Team-PMEL		Jessica		Sanbroto	
No		DESIRED		SALT		Nut.Bti		O2-Bti.No	
1		60 bottom		32		LC6		LC5	
2		50		33		LC6		LC5	
3		40		34		LC5		LC5	
4		40		35		LC5		LC5	
5		36		36		LC4		LC4	
6		30		37		LC3		LC3	
7		20		38		LC2		LC2	
8		10		39		LC1		LC1	
9		0		39		LC1		LC1	
10									
11									
12									
N/S		Roset.		Hydro Team-PMEL		Jessica		Sanbroto	
No		DESIRED		SALT		Nut.Bti		O2-Bti.No	
1		60 bottom		32		LC6		LC5	
2		50		33		LC6		LC5	
3		40		34		LC5		LC5	
4		40		35		LC5		LC5	
5		36		36		LC4		LC4	
6		30		37		LC3		LC3	
7		20		38		LC2		LC2	
8		10		39		LC1		LC1	
9		0		39		LC1		LC1	
10									
11									
12									
N/S		Roset.		Hydro Team-PMEL		Jessica		Sanbroto	
No		DESIRED		SALT		Nut.Bti		O2-Bti.No	
1		60 bottom		32		LC6		LC5	
2		50		33		LC6		LC5	
3		40		34		LC5		LC5	
4		40		35		LC5		LC5	
5		36		36		LC4		LC4	
6		30		37		LC3		LC3	
7		20		38		LC2		LC2	
8		10		39		LC1		LC1	
9		0		39		LC1		LC1	
10									
11									
12									
N/S		Roset.		Hydro Team-PMEL		Jessica		Sanbroto	
No		DESIRED		SALT		Nut.Bti		O2-Bti.No	
1		60 bottom		32		LC6		LC5	
2		50		33		LC6		LC5	
3		40		34		LC5		LC5	
4		40		35		LC5		LC5	
5		36		36		LC4		LC4	
6		30		37		LC3		LC3	
7		20		38		LC2		LC2	

VESSEL		CRUISE ID		TN250		PROJECT & LEG		Ship's CTD filename		250xxxxx		2 5 0		STATION NO.		139	
R/V Thomas G. Thompson		TN250		BEST/BSIERP_Summer'10													
CONSC CAST #		LATITUDE		LONGITUDE		TIME (GMT)		DRY BULB		WET BULB		PRESSURE		SEA STATE		VISIBILITY	
1656212.02N		7554.28W		004505.105.918		9821											
DEG		MIN		DEG		MIN		DAY		MO		YR		HR		MIN	
165		62		12		02		N		75		54		28		W	
SBE 9+		FLUOR S/N		SBE43-Oxy (prine)		SBE43-Oxy (sec)		Transmissometer		PAR S/N		O2 Temp Sensor No.		REMARKS		MAX DEPTH =	
PRESS SN		SBE43-Oxy (prine)		SBE43-Oxy (sec)		Transmissometer		PAR S/N		O2 Temp Sensor No.		REMARKS		MAX DEPTH =		m	
PRI TEMP SN		SBE43-Oxy (prine)		SBE43-Oxy (sec)		Transmissometer		PAR S/N		O2 Temp Sensor No.		REMARKS		MAX DEPTH =		m	
SEC TEMP SN		SBE43-Oxy (prine)		SBE43-Oxy (sec)		Transmissometer		PAR S/N		O2 Temp Sensor No.		REMARKS		MAX DEPTH =		m	
PRI COND SN		SBE43-Oxy (prine)		SBE43-Oxy (sec)		Transmissometer		PAR S/N		O2 Temp Sensor No.		REMARKS		MAX DEPTH =		m	
SEC COND SN		SBE43-Oxy (prine)		SBE43-Oxy (sec)		Transmissometer		PAR S/N		O2 Temp Sensor No.		REMARKS		MAX DEPTH =		m	
NIS		Roset.		Hydro Team-PMEL		Jessica		Sambratto		Alexei		Lomas		Moran		Harvey	
No		DESIRED		SALT		Nut.Btl		O2-Btl.No		CHL		Frac CHL		DIC/Alk		DOC	
1		95		bottom		40		145									
2		75				41											
3		50				42				LC6		LD6					
4		45															
5		45															
6		40															
7		40				43				SB1		SA1					
8		30				44				LC4		LD4					
9		20				45				LC3		LD3					
10		10				46				LC2		LD2					
11		0				B484		47		LC1		LD1					
12																	

Notes:

4545

chlmox

[illegible]

Notes:

VESSEL		CRUISE ID TN250		PROJECT & LEG		Ship's CTD filename		STATION NO.	
R/V Thomas G. Thompson		TN250		BEST/BSERP-Summer10		250xxxxx 25014301		143	
CONSC CAST #		LATITUDE		LONGITUDE		TIME (GMT)		DRY BULB	
1696253.04N		17435.08W		08 JUL 10		10183.9		WET BULB	
DEG MIN		DEG MIN		DAY MO YR		HR MIN		PRESSURE	
1696253.04N		17435.08W		08 JUL 10		10183.9		24	
SBE 9+		FLUOR S/N		REMARKS		SEA STATE		WIND DIRN.	
PRESS SN		SBE43-Oxy (prime)		Leeward + Std		VISIBILITY		WIND SPD.	
PRI TEMP SN		SBE43-Oxy (sec)				CLOUD (amt)		WEATHER	
SEC TEMP SN		Transmissometer				TYPE		BOTTOM DEPTH	
PRI COND SN		PAR S/N				MAX DEPTH =		STA. NAME/ID	
SEC COND SN		O2 Temp Sensor No.						BN5	
Nis		Roset.		Hydro Team-PMEL		Jessica		Sambrotto	
No		DESIRED notes		SALT		Nut.Btl		O2-Btl.No	
1		72		69		175		LC6	
2		56		70		LC6		LC5	
3		40		71		LC4		LC4	
4		30		72		LC4		LC3	
5		26		73		LC3		LC1	
6		15		74		LC2		LC1	
7		15		75		LC1		LC1	
8		15		75		LC1		LC1	
9		15		75		LC1		LC1	
10		15		75		LC1		LC1	
11		10		74		LC2		LC1	
12		0		75		LC1		LC1	

Notes:

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VESSEL		CRUISE ID TN250		PROJECT & LEG		Ship's CTD filename		STATION NO.	
R/V Thomas G. Thompson		TN250		BEST/BSICRP-Summer'10		250xxxxx 250		14461	
CONSC CAST #		LATITUDE		LONGITUDE		TIME (GMT)		DRY BULB	
1706246.01N		17353.97W		08 JUL 10		1307		5.9	
DEG MIN		DEG MIN		DAY MO YR		HR MIN		WET BULB	
SBE 9+		FLUOR S/N		SBE43-Oxy (prime)		SBE43-Oxy (sec)		Transmissometer	
PRESS SN		PAR TEMP SN		SEC TEMP SN		PAR COND SN		SEC COND SN	
O2 Temp Sensor No.		02 Temp Sensor No.							
REMARKS									
MAX. DEPTH =									
m									
NIS		Roset.		Hydro Team-PMEL		Jessica		Sambrotto	
No		DESIRED		notes		SALT		NutrBI	
1		66		✓		345776		107	
2		50				77		LC6	
3		40				78		LC5	
4		30				79		LC4	
5		20				80		LC3	
6		10				81		LC2	
7		0				82		LC1	
8									
9									
10									
11									
12									
NIS		DEPTH		Roset.		SALT		NutrBI	
No.		No.		No.		No.		No.	
1		1		1		1		1	
2		2		2		2		2	
3		3		3		3		3	
4		4		4		4		4	
5		5		5		5		5	
6		6		6		6		6	
7		7		7		7		7	
8		8		8		8		8	
9		9		9		9		9	
10		10		10		10		10	
11		11		11		11		11	
12		12		12		12		12	

Notes:

VESSEL		CRUISE ID		PROJECT & LEG		Ship's CTD filename		STATION NO.	
R/V Thomas G. Thompson		TN250		BEST/BSIERP-Summer'10		25000000 25014561		145	
CONSC CAST #		LATITUDE		LONGITUDE		TIME (GMT)		DRY BULB	
DEG MIN		DEG MIN		DAY MO YR		HR MIN		WET BULB	
171 6 24 0. 01 N		73 23 . 00 W		08 JUL 10		1457		5.5	
SBE 9+		FLUOR S/N		PRESSURE		SEA STATE		WIND DIRN.	
PRESS SN		SBE43-Oxy (prime)		(mb)		*		(deg)	
PRI TEMP SN		SBE43-Oxy (sec)		VISIBILITY		WIND SPD.		(kts)	
SEC TEMP SN		Transmissometer		CLOUD (amt)		TYPE		WEATHER	
PRI COND SN		PAR S/N		BOTTOM DEPTH		STA. NAME/ID			
SEC COND SN		02 Temp Sensor No.		MAX DEPTH =					
NIS DEPTH		Roset.		Hydro Team-PMEL		Jessica		Sambrotto	
No. DESIRED		notes		SALT		Nut.Btl		02-Btl.No	
1 63				83		144		LC6	
2 50				84				LC5	
3 40				85				LC4	
4 30				86					
5 30				87				LC3	
6 20				88				LC2	
7 10				89				LC1	
8 0									
9									
10									
11									
12									

Notes:

VESSEL		CRUISE ID TN250		PROJECT & LEG		Ship's CTD filename		STATION NO.										
R/V Thomas G. Thompson		TN250		BEST/BSERP_Summer'10		250xxxxx 250		145 145										
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	
1	72	62	40	17	32	23	01	W	08	10	15	52	5	0	19	02	23	13
REMARKS																		
MAX. DEPTH = 66 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 No. DESIRED notes SALT Nut.Btl O2-Btl.No. CHL. Frac CHL. DIC/Alk DOC Urea Part. Prod DON Alexei Lomas Moran Harvey Stoeker Katrin NIS No. 1 61 38 30 30 25 20 19 10 5 0 12																		
1 61 38 30 30 25 20 19 10 5 0 12 2 38 30 30 25 20 19 10 5 0 12 3 30 30 25 20 19 10 5 0 12 4 30 30 25 20 19 10 5 0 12 5 25 20 19 10 5 0 12 6 20 19 10 5 0 12 7 19 10 5 0 12 8 10 5 0 12 9 5 0 12 10 0 12 11 0 12 12 0 12																		

Notes:

Kati, 5
 38 5
 25 0
 20 30
 15
 10

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VESSEL		CRUISE ID TN250		PROJECT & LEG		Ship's CTD filename		STATION NO.	
R/V Thomas G. Thompson		TN250		BEST/BSIERP-Summer'10		250xxxxx		250 146 41	
CONSC CAST #		LATITUDE		LONGITUDE		TIME (GMT)		DRY BULB	
DEG MIN		DEG MIN		DAY MO YR		HR MIN		(°C)	
1736234.02N		17302.03W		08 JUL 10		1906		6.2	
SPE 9+		FLUOR S/N		PRESSURE		SEA STATE		VISIBILITY	
PRESS SN		SBE43-Oxy (prime)		WET BULB		WIND DRN.		WIND SPD.	
PRI TEMP SN		SBE43-Oxy (sec)		(°C)		(mb)		* * (deg) (kts)	
SEC TEMP SN		Transmissometer		PRESSURE		SEA STATE		VISIBILITY	
PRI COND SN		PAR S/N		WET BULB		WIND DRN.		WIND SPD.	
SEC COND SN		O2 Temp Sensor No.		PRESSURE		SEA STATE		VISIBILITY	
NIS		Rosel.		Hydro Team-PMEL		Jessica		DOC	
DEPTH		notes		SALT		Nut Brl		O2-Brl No	
No		DESIRE		CHL		Frac CHL		DIC/AIK	
1		58		90		208		LC6	
2		50		91		LC5		LC6	
3		40		92		LC4		LC5	
4		30		93		LC3		LC4	
5		20		94		LC2		LC3	
6		10		95		LC1		LC2	
7		0		96		LC1		LC2	
8									
9									
10									
11									
12									

Notes:

208 must have been taken out of 7 (checkmate) and
where number was written - Mary Kay

VESSEL		CRUISE ID		PROJECT & LEG		Ship's CTD filename		STATION NO.	
R/V Thomas G. Thompson		TN250		BEST/BSIERP-Summer10		250xxxxx 250 14701		147	
CONSC	LATITUDE	LONGITUDE		TIME (GMT)		DRY BULB	WET BULB	PRESSURE	BOTTOM DEPTH
CAST #	DEG MIN	DEG MIN	DAY	MO	YR	HR	MIN	(°C)	(°C)
1746224	100 N	17230	03 W	07	JUL	10	21	0706	406.018
									11016
									55
SSE 9+	FLUOR S/N	REMARKS							
PRESS SN	SBE43-Oxy (prime)	MAX DEPTH =							
PRI TEMP SN	SBE43-Oxy (sec)								
SEC TEMP SN	Transducer								
PRI COND SN	PAR S/N								
SEC COND SN	02 Temp Sensor No.								
NIS	DEPTH	Roset.	Hydro Team-PMEL		Jessica		Sambrotto		Alexei
NO	DESIRED	notes	SALT	Nut.BRI	O2-BRI.No	CHL	Frac CHL	DIC/ALK	DOC
1	91	bottom		97		LC6			
2	40			98		LC5			
3	30			99		LC4			
4	20			100		LC3			
5	10			101		LC2			
6	D			840	102	178	LC1		
7									
8									
9									
10									
11									
12									

Notes:

#3 leads

VESSEL		R/V Thomas G. Thompson		CRUISE ID TN250		PROJECT & LEG		BEST/BSERP_Summer'10		Ship's CTD filename		250xxxxx		25014801		STATION NO.		148																			
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									
1756212.07		17445.15		N		W		09		JUL 10		031000.2		06.9		17												70m58									
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		SEC COND SN		02 Temp Sensor No.		REMARKS		MAX. DEPTH =		m																	
No		DEPTH		Roset.		Hydro Team-PMEL		Jessica		Sambrotto		Alexei		Lomas		Moran		Harvey		Stoeker		Katrin		No.													
No		DESIRED		notes		SALT		Nut. Br		O2-Btl. No		CHL.		Frac CHL.		DIC/Alk		DOC		Urea		Part.		Prod		DON											
1		50		bottom				103		298						✓		✓		✓																	
2		40						104				LC6		LD6		✓		✓																			
3		30						105				LC5		LD5																							
4		25						106				LC4		LD4																							
5		20		max				107				SBI SA1		✓		✓																					
6		10						108				LC3		LD3		✓		✓																			
7		0						109				LC2		LD2		✓		✓																			
8								110				LC1		LD1		✓		✓																			
9																																					
10																																					
11																																					
12																																					

Notes:

#8 leaks from bottom oring

VESSEL		CRUISE ID TN250		PROJECT & LEG		Ship's CTD filename		STATION NO.	
R/V Thomas G. Thompson		TN250		BEST/BSERP-Summer'10		250xxxxx 25014901		149	
CONSC	LATITUDE	LONGITUDE		TIME (GMT)		DRY BULB	WET BULB	PRESSURE	SEA STATE
CAST #	DEG MIN	DEG MIN	DAY	MO	YR	HR	MIN	(°C)	(°C)
1766204	16 N	7437	84	10	0440	06.4	06.4	116	619
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	02 Temp Sensor No.								
NIS		Roset.		Hydro Team-PMEL		Jessica		Sambrotto	
No	DEPTH	notes	SALT	Nut.Bri	02-Bri.No	CHL	Frac CHL	DIC/Alk	DOC
1	70	bottom	8461	111	7	LC6			
2	50			112		LC6			
3	40			113		LC5			
4	30	max		114		SB1			
5	20			115		LC3			
6	10			116		LC2			
7	0			117	080	LC1			
8									
9									
10									
11									
12									

#3 leaking from bottom end cap

Notes:

VESSEL	CRUISE ID	PROJECT & LEG	Ship's CTD filename	STATION NO.
	TN250			

[illegible]

Notes:

VESSEL		CRUISE ID		PROJECT & LEG		Ship's CTD filename		STATION NO.	
R/V Thomas G. Thompson		TN250		BEST/BSICRP_Summer'10		250xxxxx		153	
CONSC CAST #		LATITUDE		LONGITUDE		TIME (GMT)		70M53	
DEG MIN		DEG MIN		DAY MO YR		HR MIN		73	
18 26 13 5.0 8 N		17 34 2.23 W		09 JUL 10		11 59		6.7	
SBE 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	
PRI TEMP SN		Q2 Temp Sensor No.		Q2 Temp Sensor No.		Q2 Temp Sensor No.		Q2 Temp Sensor No.	
SEC TEMP SN		Q2 Temp Sensor No.		Q2 Temp Sensor No.		Q2 Temp Sensor No.		Q2 Temp Sensor No.	
PRI COND SN		Q2 Temp Sensor No.		Q2 Temp Sensor No.		Q2 Temp Sensor No.		Q2 Temp Sensor No.	
SEC COND SN		Q2 Temp Sensor No.		Q2 Temp Sensor No.		Q2 Temp Sensor No.		Q2 Temp Sensor No.	
NIS DEPTH		Roset.		Hydro Team-PMEL		Jessica		Sambrotto	
No DESIRED		notes		SALT		Nut.Bri		Q2-Bri.No	
1 68		1.37		172		LC6		X	
2 50		140		141		LC5		X	
3 40		141		142		LC4		X	
4 40		143		144		LC3		X	
5 30		144		145		LC2		X	
6 20		145		146		LC1		X	
7 10		146		147		LC0		X	
8 0		147		148		LC-1		X	
9		148		149		LC-2		X	
10		149		150		LC-3		X	
11		150		151		LC-4		X	
12		151		152		LC-5		X	

Notes:

Meagan
HDM

2 DIC

2 Shank 172 was taken out by BTB
not 1 - Nancy Kuchel

VESSEL		CRUISE ID TN250		PROJECT & LEG		Ship's CTD filename		STATION NO.	
R/V Thomas G. Thompson		TN250		BEST/BSIERP Summer'10		250xxxxx		25015401	
CONSC CAST #		LATITUDE		LONGITUDE		TIME (GMT)		DRY BULB	
DEG MIN		DEG MIN		DAY MO YR		HR MIN		WET BULB	
1816124.85 N		17342.85 W		09 JUL 10		1348		6.3	
SSE 9+		FLUOR S/N		SSE43-Oxy (prime)		SSE43-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	
O2 Temp Sensor No.		O2 Temp Sensor No.		O2 Temp Sensor No.		O2 Temp Sensor No.		O2 Temp Sensor No.	
NIS DEPTH		Roset.		Hydro Team-PMEL		Jessica		Sambrotto	
No. DESIRED		notes		SALT		Nut.Btl		O2-Btl.No	
1 70				146				LC 6 LD 6	
2 50				147				LC 5 LD 5	
3 40				148				LC 4 LD 4	
4 30				149				LC 3 LD 3	
5 20				150				LC 2 LD 2	
6 10				151				LC 1 LD 1	
7 0				152					
8									
9									
10									
11									
12									

Notes: No BUNK. @mg this coast

Remarks: 25015401 upcast 81

70M52

154

VESSEL		CRUISE ID TN250		PROJECT & LEG		Ship's CTD filename		STATION NO.	
R/V Thomas G. Thompson		TN250		BEST/BSIERP-Summer10		250xxxxy 250		155 41 155	
CONSC CAST #		LATITUDE		LONGITUDE		TIME (GMT)		DRY BULB	
18261		14.71 N		17342.91 W		1544		6.6	
DEG		MIN		DEG		MIN		HR	
18261		14.71		17342.91		1544		6.6	
WET BULB		PRESSURE		SEA STATE		VISIBILITY		WIND DIRN.	
18261		14.71		17342.91		1544		6.6	
WIND SPD.		CLOUD (amt)		TYPE		WEATHER		BOTTOM DEPTH	
18261		14.71		17342.91		1544		6.6	
MAX. DEPTH =		75		75		75		75	
SPE 9+		FLUOR S/N		SBE43-Oxy (prime)		SBE43-Oxy (sec)		Transmissometer	
PRESS SN		SBE43-Oxy (prime)		SBE43-Oxy (sec)		Transmissometer		PAR S/N	
PRI TEMP SN		SBE43-Oxy (prime)		SBE43-Oxy (sec)		Transmissometer		PAR S/N	
SEC TEMP SN		SBE43-Oxy (prime)		SBE43-Oxy (sec)		Transmissometer		PAR S/N	
PRI COND SN		SBE43-Oxy (prime)		SBE43-Oxy (sec)		Transmissometer		PAR S/N	
SEC COND SN		SBE43-Oxy (prime)		SBE43-Oxy (sec)		Transmissometer		PAR S/N	
O2 Temp Sensor No.		O2 Temp Sensor No.		O2 Temp Sensor No.		O2 Temp Sensor No.		O2 Temp Sensor No.	
NIS		Roset.		Hydro Team-PMEL		Jessica		Sambrotto	
DEPTH		SALT		NUTR		CHL		Frac CHL	
No		DESIRE		notes		SALT		NUTR	
1		70		153		669		X	
2		50		154		LC6		X	
3		40		155		LC5		X	
4		30		156		LC4		X	
5		20		157		LC3		X	
6		10		158		LC2		X	
7		0		159		LC1		X	
8									
9									
10									
11									
12									

Notes:

Jellyfish changing T sensors at thermocline

VESSEL		CRUISE ID		PROJECT & LEG		Ship's CTD filename		STATION NO.	
R/V Thomas G. Thompson		TN250		BEST/BSERP_Summer'10		250xxxxx		250 156 41	
CONSC		LATITUDE		LONGITUDE		TIME (GMT)		DRY BULB	
CAST #		DEG MIN		DEG MIN		DAY MO YR		HR MIN	
1246104.58N		17346.14W		09 JUL 10		1835		7.2	
SBE 9+		FLUOR S/N		TIME (GMT)		DRY BULB		WET BULB	
PRESS SN		SBE43-Oxy (prime)		PRESSURE		SEA STATE		VISIBILITY	
PRI TEMP SN		SBE43-Oxy (sec)		WIND DIRN.		WIND SPD.		CLOUD (amt)	
SEC TEMP SN		Transmissometer		WEATHER		BOTTOM DEPTH		STA. NAME/ID	
PRI COND SN		PAR S/N		MAX DEPTH =		78		70m50	
SEC COND SN		O2 Temp Sensor No.							

No.	DEPTH	Roset.	Hydro Team-PMEL				Jessica				Sambrotto				Alexei	Lomas		Moran	Harvey	Stoeker	Katrin	Nis
			DESIRED	notes	SALT	Nut Btl	O2-Btl.No	CHL	Frac CHL	DIC/Alk	DOC	Urea	Part.	Prod		DON	%PAR					
1	72		B3	160	187																	1
2	50			161		LC6																2
3	38			162		SM1	LD5															3
4	38																					4
5	30			163		LC4																5
6	20			164		LC3																6
7	10			165		LC2																7
8	0			166		LC1																8
9																						9
10																						10
11																						11
12																						12

Notes: fluorescence max ~ 46 µg/L

VESSEL		CRUISE ID TN250		PROJECT & LEG		Shp's CTD filename		STATION NO.	
R/V Thomas G. Thompson		TN250		BEST/BSERP_Summer'10		250xxxxx		250 157 41	
CONSC CAST #		LATITUDE		LONGITUDE		TIME (GMT)		70m 49	
1851054.54 N		17349.06 W		0201107.90		06.008		1818	
DEG MIN		DEG MIN		DAY MO YR		HR MIN		MAX DEPTH =	
SBE 9+		FLUOR S/N		SBE43-Oxy (prime)		SBE43-Oxy (sec)		Transmissometer	
PRESS SN		SBE43-Oxy (sec)		Transmissometer		PAR S/N		O2 Trip Sensor No.	
PRI TEMP SN		PAR S/N		O2 Trip Sensor No.		O2 Trip Sensor No.		O2 Trip Sensor No.	
PRI COND SN		O2 Trip Sensor No.		O2 Trip Sensor No.		O2 Trip Sensor No.		O2 Trip Sensor No.	
SEC COND SN		O2 Trip Sensor No.		O2 Trip Sensor No.		O2 Trip Sensor No.		O2 Trip Sensor No.	
NIS		Roset.		Hydro Team-PMEL		Jessica		Sambrotto	
No		DESIRE		SALT		Nut.Btl		O2-Btl.No	
1		75		16.7		16.3		5B1 SA1	
2		47		max		16.8		LC5 LD5	
3		40		16.9		130		LC4 LD4	
4		30		17.1		172		LC3 LD3	
5		20		17.2		173		LC2 LD2	
6		10		17.3		173		LC1 LD1	
7		0		17.3		173		173	
8									
9									
10									
11									
12									

Notes:

VESSEL		CRUISE ID TN250		PROJECT & LEG		Ship's CTD filename		STATION NO.	
R/V Thomas G. Thompson		TN250		BEST/BSIERP_Summer'10		250xxxxx		25015901	
CONSC CAST #		LATITUDE		LONGITUDE		TIME (GMT)		DRY BULB	
DEG MIN		DEG MIN		DAY MO YR		HR MIN		WET BULB	
1834035.25 N		173338.98 W		09 JUL 10		0335		7.4	
SSE 9+		FLUOR S/N		PRESSURE		SEA STATE		WIND DIRN.	
PRESS SN		SBE43-Oxy (prime)		* *		* *		WIND SPD.	
PNI TEMP SN		SBE43-Oxy (sec)		VISIBILITY		WIND DIRN.		WIND SPD.	
SEC TEMP SN		Transmissometer		WIND DIRN.		WIND SPD.		CLOUD (amt)	
PNI COND SN		PAR S/N		WIND DIRN.		WIND SPD.		TYPE	
SEC COND SN		02 Temp Sensor No.		WIND DIRN.		WIND SPD.		WEATHER	
NIS DEPTH		Roset.		Hydro Team-PMEL		Jessica		MAX. DEPTH =	
NO DESIRED		notes		SALT		Nut.Bt		O2-Bt.LNO	
1 64 bottom		181		111		LC6		1	
2 50		183		LC5		2		2	
3 40		184		LC4		3		3	
4 30		185		LC3		4		4	
5 20		186		LC2		5		5	
6 10		187		LC1		6		6	
7 0		188		/		7		7	
8						8		8	
9						9		9	
10						10		10	
11						11		11	
12						12		12	

Notes:

VESSEL		CRUISE ID TN250		PROJECT & LEG		Ship's CTD filename		STATION NO.	
R/V Thomas G. Thompson		TN250		BEST/BSERP_Summer10		250xxxxx		25016001	
CONSC CAST #		LATITUDE		LONGITUDE		TIME (GMT)		DRY BULB	
DEG MIN		DEG MIN		DAY MO YR		HR MIN		WET BULB	
188 10 25.24 N		173 35.49 W		10 JUL 10		011407.1		6.0 5	
SEC 9+ _____		FLUOR S/N _____		PRESSURE _____		SEA STATE _____		WIND DIRN.	
PRESS SN _____		SBE43-Oxy (prime) _____		VISIBILITY _____		WIND SPD.		CLOUD (amt)	
PRI TEMP SN _____		SBE43-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.		CLOUD (amt)	
SEC COND SN _____		O2 Temp Sensor No. _____		WIND DIRN.		WIND SPD.		TYPE _____	
NIS DEPTH		Roset.		Hydro Team-PMEL		Jessica		Sambrotto	
No. DESIRED		notes		SALT		Nut.Btl		O2-Btl.No	
1 60 bottom		189 146		CHL		Frac CHL		DIC/AIK	
2 50		1		CHL		Frac CHL		DOC	
3 50		LC6 LD6		Urea		Part.		Prod	
4 40		LC5 LD5		Urea		Part.		Prod	
5 30		LC4 LD4		Urea		Part.		Prod	
6 20		LC3 LD3		Urea		Part.		Prod	
7 10		LC2 LD2		Urea		Part.		Prod	
8 0		LC1 LD1		Urea		Part.		Prod	
9				Urea		Part.		Prod	
10				Urea		Part.		Prod	
11				Urea		Part.		Prod	
12				Urea		Part.		Prod	
NIS		Roset.		Hydro Team-PMEL		Jessica		Sambrotto	
No. DESIRED		notes		SALT		Nut.Btl		O2-Btl.No	
1 60 bottom		189 146		CHL		Frac CHL		DIC/AIK	
2 50		1		CHL		Frac CHL		DOC	
3 50		LC6 LD6		Urea		Part.		Prod	
4 40		LC5 LD5		Urea		Part.		Prod	
5 30		LC4 LD4		Urea		Part.		Prod	
6 20		LC3 LD3		Urea		Part.		Prod	
7 10		LC2 LD2		Urea		Part.		Prod	
8 0		LC1 LD1		Urea		Part.		Prod	
9				Urea		Part.		Prod	
10				Urea		Part.		Prod	
11				Urea		Part.		Prod	
12				Urea		Part.		Prod	

REMARKS
DAS T = 16.000
S = 30.463

MAX. DEPTH = _____ m

Notes:

VESSEL		CRUISE ID TN250		PROJECT & LEG		Ship's CTD filename		STATION NO.	
R/V Thomas G. Thompson		TN250		BEST/BSIERP_Summer'10		250xxxxx		25016101	
CONSC CAST #		LATITUDE		LONGITUDE		TIME (GMT)		DRY BULB	
18910014.80 N		17336.75 W		10 JUL 10		0321		7.4	
DEG MIN		DEG MIN		DAY MO YR		HR MIN		(°C)	
18910014.80 N		17336.75 W		10 JUL 10		0321		7.4	
SBE 9+		FLUOR S/N		TIME (GMT)		DRY BULB		WET BULB	
PRESS SN		SBE43-Oxy (prime)		TIME (GMT)		DRY BULB		WET BULB	
PRI TEMP SN		SBE43-Oxy (sec)		TIME (GMT)		DRY BULB		WET BULB	
SEC TEMP SN		Transmissometer		TIME (GMT)		DRY BULB		WET BULB	
PRI COND SN		PAR S/N		TIME (GMT)		DRY BULB		WET BULB	
SEC COND SN		O2 Temp Sensor No.		TIME (GMT)		DRY BULB		WET BULB	
NIS DEPTH		Roset.		Hydro Team-PMEL		Jessica		DOC	
No. DESIRED		notes		SALT		Nutr:Btl		O2-Btl.No	
1		66 bottom		86		7		064	
2		50		8		9		L	
3		40		10		10		L	
4		30		11		11		L	
5		20		12		12		L	
6		10		13		13		L	
7		0							
8									
9									
10									
11									
12									

Notes: Bottle 3 has been replaced

VESSEL		CRUISE ID		PROJECT & LEG		Ship's CTD filename		STATION NO.												
R/V Thomas G. Thompson		TN250		BEST/BSERP_Summer'10		250xxxxx		162												
CONSC	LATITUDE	LONGITUDE		TIME (GMT)		DRY BULB	WET BULB	PRESSURE	SEA STATE	WIND DIRN.	WIND SPD.	CLOUD (amt)	TYPE	WEATHER	BOTTOM DEPTH	STA. NAME/ID				
CAST #	DEG	MIN	DEG	MIN	DAY	MO	YR	HR	MIN	(°C)	(°C)	(mb)	+	+	(deg)	(kts)	+	+	(m)	
19060	06	06	1731	19	79	W	10	JUL	1	0652	207	306	802	358	21				72	70m 44
REMARKS																				
MAX. DEPTH =																				
SPE 9+																				
PRESS SN																				
PRI TEMP SN																				
SEC TEMP SN																				
PRI COND SN																				
SEC COND SN																				
O2 Trnp Sension No.																				
FLUOR S/N																				
SBE43-Oxy (prime)																				
SBE43-Oxy (sec)																				
Transmissometer																				
PAR S/N																				
Hydro Team-PMEL																				
Roset.																				
Jessica																				
Samhrotto																				
Alexei																				
Lomas																				
Moran																				
Harvey																				
Stoecker																				
Kathn																				
Seann																				
No.																				

Notes:

VESSEL		CRUISE ID		TN250		PROJECT & LEG		Ship's CTD filename		STATION NO.	
R/V Thomas G. Thompson		TN250		BEST/BSIERP_Summer'10		250xxxxx		25016401		164	
CONSC CAST #		LATITUDE		LONGITUDE		TIME (GMT)		DRY BULB		WET BULB	
DEG MIN		DEG MIN		DEG MIN		DAY MO YR		HR MIN		°C °C	
19 25 9 59		02 N		17 24 3		32 W 10 JUL 10		08 56		7.4	
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.	
NIS		Roset.		Hydro Team-PMEL		Jessica		DOC		Lurea	
DEPTH		notes		SALT		Nutr Btl		O2-Btl.No		CHL	
No.		DESIRED		notes		SALT		Nutr Btl		O2-Btl.No	
1		63		28		232		466		465	
2		50		29		466		465		465	
3		40		30		465		465		465	
4		30		31		464		464		464	
5		20		32		463		463		463	
6		10		33		462		462		462	
7		0		34		461		461		461	
8											
9											
10											
11											
12											

Notes:

VESSEL		CRUISE ID TN250		PROJECT & LEG		Ship's CTD filename		STATION NO.	
R/V Thomas G. Thompson		TN250		BEST/BSERP_Summer'10		250xxxxx 250 165 01		165	

CONSC CAST #	LATITUDE		LONGITUDE		TIME (GMT)	DRY BULB	WET BULB	PRESSURE	SEA STATE	VISIBILITY	WIND DIRN.	WIND SPD.	CLOUD (amt)	TYPE	WEATHER	BOTTOM DEPTH	STA. NAME/ID	
	DEG	MIN	DEG	MIN														DAY
1935954.24	N	172225.44	W	14	JUL	10	18	27	7.1	.							75	76m 41

SEC 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				Sambrotto				Alexei	Lomas		Moran	Harvey	Stoeker	Karin	NIS
			No.	DESIRED	notes	SALT	Nut.Btl	O2-Btl.No	CHL	Frac CHL	DIC/AIK	DOC	Urea	Part.	Prod	DON	%PAR	POC	Th	Lessard		
1	74			35					X	X												1
2	50			36		LC6			X	X												2
3	40			37		LC5																3
4	30			38		LC4			X	X												4
5	35																					5
6	30																					6
7	30																					7
8	30																					8
9	20			39		LC3			X	X												9
10	10			40		LC2			X	X												10
11	0			41		LC1																11
12																						12

Notes:

VESSEL		CRUISE ID TN250		PROJECT & LEG		Ship's CTD filename		STATION NO.																															
R/V Thomas G. Thompson		TN250		BEST/BSIERP_Summer'10		250xxxxx 250 166 01		166																															
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									
1945950.83N		172246.19W		101309		7.0		.99		349		18		76																70W40									
DEG MIN		DEG MIN		DAY MO YR		HR MIN		(°C)		(°C)		(mb)		*		(deg)		(kts)		*		*		(m)															
SSE 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 DEPTH		Roset.		Hydro Team-PMEL		Jessica																																	
No. DESIRED		notes		SALT		Nut.Btl		O2-Btl.No		CHL.		Frac CHL.		DIC/Alk		DOC		Urea		Part.		Prod		DON		Alexei		Lomas		Moran		Harvey		Stoeker		Katrin		Nils	
1 70		43		190		LC6		LD6																												1			
2 50		44		LC5		LD5																												2					
3 40		45		LC4		LD4																												3					
4 30		46		LC3		LD3																												4					
5 20		47		LC2		LD2																												5					
6 10		48		LC1		LD1																												6					
7 0																																		7					
8																																		8					
9																																		9					
10																																		10					
11																																		11					
12																																		12					

Notes:

VESSEL		CRUISE ID		PROJECT & LEG		Ship's CTD filename		STATION NO.			
R/V Thomas G. Thompson		TN250		BEST/BSIERP_Summer'10		250xxxxx		167			
CONSC CAST #		LATITUDE		LONGITUDE		TIME (GMT)		DRY BULB			
1955949.83 N		171145.89 W		18 JUL 10		15426.8					
DEG MIN		DEG MIN		DAY MO YR		HR MIN		WET BULB			
1955949.83 N		171145.89 W		18 JUL 10		15426.8					
SBE 9+		FLUOR S/N		REMARKS		PRESSURE		SEA STATE			
PRESS SN		SBE43-Oxy (prime)		corrected jelly tank attack at 24 hr on way		VISIBILITY		WIND DIRN.			
PRI TEMP SN		SBE43-Oxy (sec)				WIND SPD.		CLOUD (amt)		WEATHER	
SEC TEMP SN		Transmissometer				WIND SPD.		TYPE		BOTTOM DEPTH	
PRI COND SN		PAR S/N				WIND SPD.		TYPE		STA. NAME/ID	
SEC COND SN		O2 Temp Sensor No.		MAX DEPTH =		34318		75			
NIS		Roset.		Hydro Team-PMEL		Jessica		DOC			
DEPTH		notes		SALT		Nut.Btl		O2-Btl.No			
1 70				49		205		LC6			
2 50				50				LC6			
3 40				51				LC5			
4 30				52				LC1			
5 20				53				LC3			
6 10				54				LC2			
7 0				55				LC1			
8											
9											
10											
11											
12											

Notes:

VESSEL		CRUISE ID		PROJECT & LEG		Ship's CTD filename		STATION NO.														
R/V Thomas G. Thompson		TN250		BEST/BSERP_Summer'10		250xxxxx		167														
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				
1965949	DEG	MIN	DEG	MIN	DAY	MO	YR	HR	MIN	(°C)	(°C)	(mb)	*	*	(deg)	(kts)	*	*	(m)			
1965949	88	N	17545	21	W	10	JUL	10	15	52	6.5	.	99			327	13		75			
REMARKS																						
Prod Cast																						
MAX DEPTH = m																						
SBE 9+	FLUOR S/N		SBE43-Oxy (prime)		SBE43-Oxy (sec)		Transmissometer		PAR S/N		O2 Temp Sensor No.											
PRESS SN																						
PRI TEMP SN																						
SEC TEMP SN																						
PRI COND SN																						
SEC COND SN																						
NO	DEPTH	ROSCT	SALT	Nut.Btl	O2-Btl.No	CHL	Frac CHL	DIC/ALK	DOC	Urea	Part.	Prod	DON	Alexei	Lomas	POC	Th	Harvey	Stoeker	Katrin	Seann	NO.
1	0.5									✓	✓	✓	✓									1
2	38			Q1						✓	✓	✓	✓						✓			2
3	27	Chl. Prod		Q2						✓	✓	✓	✓									3
4	25									✓	✓	✓	✓									4
5	20			Q3						✓	✓	✓	✓									5
6	15			Q4						✓	✓	✓	✓									6
7	10			Q5						✓	✓	✓	✓									7
8	5			Q6						✓	✓	✓	✓									8
9	5																		✓			9
10	5																		✓			10
11	0			Q7						✓	✓	✓	✓									11
12	0	Bucket		Q8						✓	✓	✓	✓									12

Notes:

Chl Max 27-02

5
10
15
20

VESSEL		CRUISE ID TN250		PROJECT & LEG		Ship's CTD filename		STATION NO.	
R/V Thomas G. Thompson		TN250		BEST/BSIERP_Summer'10		250xxxxx 2 5 0 16801		168	

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	
19759	46.94	N	17127	.04	W	1743	7.0	.	99	*	*	352	19	*	*	*		7.3	20M38

SBE 9+	FLUOR S/N	REMARKS
PRESS SN	SBE43-Oxy (prime)	N 200 145
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			Sambrotto			Alexei	Lomas		Moran	Harvey	Stoeker	Karin	NIS No.
			DESIRIED	notes	SALT	Nut.Btl	O2-Btl.No	CHL.	Frac CHL.	DIC/Alk	DOC	Urea	Part.	Prod	DON	%PAR	POC	Th	Lessard	Seann	
1	30		B7	56	003																1
2	50			57		LC6															2
3	40			58		LC5															3
4	30			59		LC4															4
5	20			60		LC3															5
6	10			61		LC2															6
7	0			62		LC1															7
8																					8
9																					9
10																					10
11																					11
12																					12

Notes:

VESSEL		CRUISE ID TN250		PROJECT & LEG		Ship's CTD filename		STATION NO.	
R/V Thomas G. Thompson		TN250		BEST/BSIERP_Summer'10		250xxxxx		25016941	
CONSC CAST #		LATITUDE		LONGITUDE		TIME (GMT)		DRY BULB	
19859		43.21		17108.33		W 1410		1945	
DEG		MIN		DEG		MIN		DAY	
MO		YR		HR		MIN		SEC	
1		0		19		45		6.8	
WET BULB		PRESSURE		SEA STATE		VISIBILITY		WIND DIRN.	
6.8		64		0		0		19	
WIND SPD.		CLOUD (amt)		TYPE		WEATHER		BOTTOM DEPTH	
16		0		0		0		7270m	
STA. NAME/ID		7		7		7		7	
SBE 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	
PRI TEMP SN		O2 Temp Sensor No.		O2 Temp Sensor No.		O2 Temp Sensor No.		O2 Temp Sensor No.	
SEC TEMP SN		O2 Temp Sensor No.		O2 Temp Sensor No.		O2 Temp Sensor No.		O2 Temp Sensor No.	
PRI COND SN		O2 Temp Sensor No.		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.	
NIS		Roset.		Hydro Team-PMEL		Jessica		DOC	
DEPTH		SALT		Nutr Bit		O2-Bit No		CHL	
No		DESIRED		notes		Frac CHL		DIC/ALK	
1		67		63		200		X	
2		50		64		LC6		LD6	
3		40		65		LC5		LD5	
4		30		66		LC4		LD4	
5		20		67		LC3		LD3	
6		10		69		LC2		LD2	
7		0		69		LC1		LD1	
8									
9									
10									
11									
12									

Notes:

VESSEL		CRUISE ID		PROJECT & LEG		Ship's CTD filename		STATION NO.	
R/V Thomas G. Thompson		TN250		BEST/BSIERP_Summer'10		250xxxxx		250 17061	
CONSC CAST #		LATITUDE		LONGITUDE		TIME (GMT)		DRY BULB	
1995935		93 N		17055.02 W		10 JUL 10		203706.7	
DEG		MIN		DEG		MIN		HR	
199		59		17		05		20	
SBE 9+		FLUOR S/N		SBE43-Oxy (prime)		SBE43-Oxy (sec)		Transmissometer	
PRESS SN		SBE43-Oxy (prime)		SBE43-Oxy (sec)		Transmissometer		PAR S/N	
PRI TEMP SN		SBE43-Oxy (prime)		SBE43-Oxy (sec)		Transmissometer		PAR S/N	
SEC TEMP SN		SBE43-Oxy (prime)		SBE43-Oxy (sec)		Transmissometer		PAR S/N	
PRI COND SN		SBE43-Oxy (prime)		SBE43-Oxy (sec)		Transmissometer		PAR S/N	
SEC COND SN		SBE43-Oxy (prime)		SBE43-Oxy (sec)		Transmissometer		PAR S/N	
O2 Temp Sensor No.		O2 Temp Sensor No.		O2 Temp Sensor No.		O2 Temp Sensor No.		O2 Temp Sensor No.	
N/S		DEPTH		Roset.		Hydro Team-PMEL		Jessica	
No.		DESIRED		notes		SALT		Nut Btl	
1		40		bottom		B9		70	
2		50						71	
3		40						72	
4		30						73	
5		20						74	
6		10						75	
7		0						76	
8									
9									
10									
11									
12									
N/S		DEPTH		Roset.		Hydro Team-PMEL		Jessica	
No.		DESIRED		notes		SALT		Nut Btl	
1		40		bottom		B9		70	
2		50						71	
3		40						72	
4		30						73	
5		20						74	
6		10						75	
7		0						76	
8									
9									
10									
11									
12									
N/S		DEPTH		Roset.		Hydro Team-PMEL		Jessica	
No.		DESIRED		notes		SALT		Nut Btl	
1		40		bottom		B9		70	
2		50						71	
3		40						72	
4		30						73	
5		20						74	
6		10						75	
7		0						76	
8									
9									
10									
11									
12									
N/S		DEPTH		Roset.		Hydro Team-PMEL		Jessica	
No.		DESIRED		notes		SALT		Nut Btl	
1		40		bottom		B9		70	
2		50						71	
3		40						72	
4		30						73	
5		20						74	
6		10						75	
7		0						76	
8									
9									
10									
11									
12									
N/S		DEPTH		Roset.		Hydro Team-PMEL		Jessica	
No.		DESIRED		notes		SALT		Nut Btl	
1		40		bottom		B9		70	
2		50						71	
3		40						72	
4		30						73	
5		20						74	
6		10						75	
7		0						76	
8									
9									
10									
11									
12									
N/S		DEPTH		Roset.		Hydro Team-PMEL		Jessica	
No.		DESIRED		notes		SALT		Nut Btl	
1		40		bottom		B9		70	
2		50						71	
3		40						72	
4		30						73	
5		20						74	
6		10						75	
7		0						76	
8									
9									
10									
11									
12									
N/S		DEPTH		Roset.		Hydro Team-PMEL		Jessica	
No.		DESIRED		notes		SALT		Nut Btl	
1		40		bottom		B9		70	
2		50						71	
3		40						72	
4		30						73	
5		20						74	
6		10						75	
7		0						76	
8									
9									
10									
11									
12									
N/S		DEPTH		Roset.		Hydro Team-PMEL		Jessica	
No.		DESIRED		notes		SALT		Nut Btl	
1		40		bottom		B9		70	
2		50						71	
3		40						72	
4		30						73	
5		20						74	
6		10						75	
7		0						76	
8									
9									
10									
11									
12									
N/S		DEPTH		Roset.		Hydro Team-PMEL		Jessica	
No.		DESIRED		notes		SALT		Nut Btl	
1		40		bottom		B9		70	
2		50						71	
3		40						72	
4		30						73	
5		20						74	
6		10						75	
7		0						76	
8									
9									
10									
11									
12									
N/S		DEPTH		Roset.		Hydro Team-PMEL		Jessica	
No.		DESIRED		notes		SALT		Nut Btl	
1		40		bottom		B9		70	
2		50						71	
3		40						72	
4		30						73	
5		20						74	
6		10						75	
7		0						76	
8									
9									
10									
11									
12									
N/S		DEPTH		Roset.		Hydro Team-PMEL		Jessica	
No.		DESIRED		notes		SALT		Nut Btl	
1		40		bottom		B9		70	
2		50						71	
3		40						72	
4		30						73	
5		20						74	
6		10						75	
7		0						76	
8									
9									
10									
11									
12									
N/S		DEPTH		Roset.		Hydro Team-PMEL		Jessica	
No.		DESIRED		notes		SALT		Nut Btl	
1		40		bottom		B9		70	
2		50						71	
3		40						72	
4		30						73	
5		20						74	
6		10						75	
7		0						76	
8									
9									
10									
11									
12									
N/S		DEPTH		Roset.		Hydro Team-PMEL		Jessica	
No.		DESIRED		notes		SALT		Nut Btl	
1		40		bottom		B9		70	
2		50						71	
3		40						72	
4		30						73	
5		20						74	
6		10						75	
7		0						76	
8									
9									
10									
11									
12									
N/S		DEPTH		Roset.		Hydro Team-PMEL		Jessica	
No.		DESIRED		notes		SALT		Nut Btl	
1		40		bottom		B9		70	
2		50						71	
3		40						72	
4		30						73	
5		20						74	
6		10						75	
7		0						76	
8									
9									
10									
11									
12									
N/S		DEPTH		Roset.		Hydro Team-PMEL		Jessica	
No.		DESIRED		notes		SALT		Nut Btl	
1		40		bottom		B9		70	
2		50						71	
3		40						72	
4		30						73	
5		20						74	
6		10						75	
7		0						76	
8									
9									
10									
11									

VESSEL		CRUISE ID		PROJECT & LEG		Ship's CTD filename		STATION NO.																																	
R/V Thomas G. Thompson		TN250		BEST/BSERP_Summer'10		250xxxxx		25017101																																	
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											
2005925		66 N		17053.39 W		10 JUL 10		2230		6.6		6.302						511										72		70435											
DEG MIN		DEG MIN		DAY MO YR		HR MIN		(°C)		(°C)		(mb)		*		*		(deg)		(kts)		*		*		*		(m)													
SSE 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																																	
PRI TEMP SN		SBE43-Oxy (prime)		SBE43-Oxy (sec)		Transmissometer		PAR S/N																																	
SEC TEMP SN		SBE43-Oxy (prime)		SBE43-Oxy (sec)		Transmissometer		PAR S/N																																	
PRI COND SN		SBE43-Oxy (prime)		SBE43-Oxy (sec)		Transmissometer		PAR S/N																																	
SEC COND SN		SBE43-Oxy (prime)		SBE43-Oxy (sec)		Transmissometer		PAR S/N																																	
NIS		Roset.		Hydro Team-PMEL		Jessica																																			
DEPTH		notes		SALT		Nut:Btl		O2-Btl.No		CHL		Frac CHL		DIC/AIK		DOC		Urea		Part.		Prod		DON		Alexei		Lomas		Moran		Harvey		Stoeker		Katrin		NIS			
No.		DESIRE		notes		SALT		Nut:Btl		O2-Btl.No		CHL		Frac CHL		DIC/AIK		DOC		Urea		Part.		Prod		DON		Alexei		Lomas		Moran		Harvey		Stoeker		Katrin		No.	
1		75		bottom		77		LC6		LD6		LD6		LD6		LD6		LD6		LD6		LD6		LD6		LD6		LD6		LD6		LD6		LD6		LD6		1			
2		50				78		LC6		LD6		LD6		LD6		LD6		LD6		LD6		LD6		LD6		LD6		LD6		LD6		LD6		LD6		LD6		2			
3		40				79		LC5		LD5		LD5		LD5		LD5		LD5		LD5		LD5		LD5		LD5		LD5		LD5		LD5		LD5		LD5		3			
4		30				80		LC4		LD4		LD4		LD4		LD4		LD4		LD4		LD4		LD4		LD4		LD4		LD4		LD4		LD4		LD4		4			
5		20				81		LC3		LD3		LD3		LD3		LD3		LD3		LD3		LD3		LD3		LD3		LD3		LD3		LD3		LD3		LD3		5			
6		10				82		LC2		LD2		LD2		LD2		LD2		LD2		LD2		LD2		LD2		LD2		LD2		LD2		LD2		LD2		LD2		6			
7		0				83		DC0		LC1		LD1		LD1		LD1		LD1		LD1		LD1		LD1		LD1		LD1		LD1		LD1		LD1		LD1		7			
8																																						8			
9																																						9			
10																																						10			
11																																						11			
12																																						12			

Notes:

VESSEL		CRUISE ID TN250		PROJECT & LEG		Ship's CTD filename		STATION NO.	
R/V Thomas G. Thompson		TN250		BEST/BSIERP-Summer'10		250xxxxx 2 5 0		173	

CONSC CAST #	LATITUDE		LONGITUDE		TIME (GMT)	DRY BULB	WET BULB	PRESSURE	SEA STATE	VISIBILITY	WIND DIRN.	WIND SPD.	CLOUD (amt)	TYPE	WEATHER	BOTTOM DEPTH	STA. NAME/ID			
	DEG	MIN	DEG	MIN														DAY	MO	YR
2015	91	5.62	N	170	22.53	W	11	J	U	L	1	0	01	25	6.9	6.4	04	813	68	70m33

SSE 9+	FLUOR S/N	REMARKS	MAX. DEPTH =
PRESS SN	SSEA3-Oxy (prime)		
PRI TEMP SN	SSEA3-Oxy (sec)		
SEC TEMP SN	Transmissometer		
PRI COND SN	PAR S/N		
SEC COND SN	02 Trip Sensor No.		

NIS	DEPTH	Roset.	Hydro Team-PHEL				Jessica				Sambrotto				Alexei	Lomas			Moran	Harvey	Stoeker	Katrin	Seann	NIS	
			No.	DESIRED	notes	SALT	Nut.Btl	O2-Btl.No	CHL.	Frac CHL	DIC/Alk	DOC	Urea	Part.		Prod	DON	%PAR							POC
1	63	bottom		91								✓	✓												1
2	50			92			LC6	LD6	✓																2
3	40			93			LC5	LD5	✓																3
4	35	max		94							✓	✓													4
5	30			95			LC4	LD4																	5
6	20			96			LC3	LD3																	6
7	10			97			LC2	LD2																	7
8	0			98			LC1	LD1	✓		✓	✓													8
9																									9
10																									10
11																									11
12																									12

Notes:

#8 leaks from bottom end cap

VESSEL		CRUISE ID TN250		PROJECT & LEG		Ship's CTD filename		STATION NO.	
R/V Thomas G. Thompson		TN250		BEST/BSERP-Summer'10		250xxxxx		250 17401	
CONSC		LATITUDE		LONGITUDE		TIME (GMT)		DRY BULB	
CAST #		DEG MIN		DEG MIN		DAY MO YR		HR MIN	
20359		06.66 N		17014.22 W		11 JUL 10		0310 7.11	
SSE 9+		FLUOR S/N		SBE43-Oxy (prime)		SBE43-Oxy (sec)		Transmissometer	
PRESS SN		SBE43-Oxy (prime)		SBE43-Oxy (sec)		Transmissometer		PAR S/N	
PRI TEMP SN		SBE43-Oxy (prime)		SBE43-Oxy (sec)		Transmissometer		PAR S/N	
SEC TEMP SN		SBE43-Oxy (prime)		SBE43-Oxy (sec)		Transmissometer		PAR S/N	
PRI COND SN		SBE43-Oxy (prime)		SBE43-Oxy (sec)		Transmissometer		PAR S/N	
SEC COND SN		SBE43-Oxy (prime)		SBE43-Oxy (sec)		Transmissometer		PAR S/N	
O2 Trp Sensor No.		O2 Trp Sensor No.		O2 Trp Sensor No.		O2 Trp Sensor No.		O2 Trp Sensor No.	
NIS		Roset.		Hydro Team-PMEL		Jessica		Sambrotto	
DEPTH		SALT		Nut Brl		O2-Btl No		CHL	
No		DESIRE		notes		Frac CHL		DIC/Alk	
1		63		bottom Btl - 99		101		LC6	
2		50		101		101		LC5	
3		40		101		101		LC4	
4		30		101		101		LC3	
5		20		101		101		LC2	
6		10		101		101		LC1	
7		0		101		101		LC1	
8									
9									
10									
11									
12									

Notes:

#6 new bottom oring
#6 spring replaces tubing

[illegible]

Notes:

VESSEL		CRUISE ID TN250		PROJECT & LEG		Ship's CTD filename		STATION NO.	
R/V Thomas G. Thompson		TN250		BEST/BSIERP_Summer'10		250xxxxx		17601	
CONSC CAST #		LATITUDE		LONGITUDE		TIME (GMT)		DRY BULB	
DEG MIN		DEG MIN		DAY MO YR		HR MIN		(°C)	
2055847.04		17017.26		W 11 JUL 10		010601		16.8	
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 =		70m30	
				Abt sampled traces over noise					
				Sent down again					
NIS		Roset.		Hydro Team-PMEL		Jessica		Sambrotto	
No		DESIRED		SALT		Nut:Btl		O2-Btl.No	
1		67		bottom					
2		90							
3		40							
4		27		max					
5		20							
6		10							
7		0							
8									
9									
10									
11									
12									

Notes:

VESSEL R/V Thomas G. Thompson		CRUISE ID TN250		PROJECT & LEG BEST/BSIERP-Summer'10		Ship's CTD filename 25017002		STATION NO. 176																																	
CONSC CAST #		LATITUDE		LONGITUDE		TIME (GMT)		DRY BULB		WET BULB		PRESSURE		SEA STATE		VISIBILITY		WIND DIRN.		WIND SPD.		CLOUD (amt)		TYPE		WEATHER		BOTTOM DEPTH		STA. NAME/ID											
DEG		MIN		DEG		MIN		DAY		MO		YR		HR		MIN		°C		°C		(mb)		*		*		(deg)		(kts)		*		*		(m)					
2065847.04		N		17017.27		W		11		JUL		10		0624		6.8		7.2		06								204		8						72		70m30			
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 Trip Sensor No.																																					
NHS		DEPTH		Roset.		Hydro Team-PMEL		Jessica																																	
No		DESIRED		notes		SALT		Nut Brl		O2-Brl.No		CHL		Frac CHL		DIC/Aik		DOC		Urea		Part.		Prod		DON		Alexei		Lomas		Moran		Harvey		Stoeker		Katrin		Nis	
1		67		carbon				113		207																														1	
2		50						114				LC6		LD6																								2			
3		40						115				LC5		LD5																								3			
4		28		max				116				LC4		LD4																								4			
5		20						117				LC3		LD3																								5			
6		10						118				LC2		LD2																								6			
7		0						B12		119		LC1		LD1																								7			
8																																						8			
9																																						9			
10																																						10			
11																																						11			
12																																						12			

Notes:

REMARKS
Sensors Flashed and
Corkage sent down again.

VESSEL R/V Thomas G. Thompson		CRUISE ID TN250		PROJECT & LEG BEST/BSIERP_Summer'10		Ship's CTD filename 250xxxxx		STATION NO. 177																							
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	
2075836.77 N		17416.82 W		11 JUL 10		0809		6.6				48		*		257		9		*		*				73		70m 29			
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 =		m													
PRESS SN		SBE43-Oxy (prime)		SBE43-Oxy (sec)		Transmissometer		PAR S/N		02 Temp Sensor No.		REMARKS		MAX DEPTH =		m															
PRI TEMP SN		SBE43-Oxy (prime)		SBE43-Oxy (sec)		Transmissometer		PAR S/N		02 Temp Sensor No.		REMARKS		MAX DEPTH =		m															
SEC TEMP SN		SBE43-Oxy (prime)		SBE43-Oxy (sec)		Transmissometer		PAR S/N		02 Temp Sensor No.		REMARKS		MAX DEPTH =		m															
PRI COND SN		SBE43-Oxy (prime)		SBE43-Oxy (sec)		Transmissometer		PAR S/N		02 Temp Sensor No.		REMARKS		MAX DEPTH =		m															
SEC COND SN		SBE43-Oxy (prime)		SBE43-Oxy (sec)		Transmissometer		PAR S/N		02 Temp Sensor No.		REMARKS		MAX DEPTH =		m															
NIS DEPTH		Roset.		Hydro Team-PMEL		Jessica		Sambrotto		Alexei		Lomas		Moran		Harvey		Stoeker		Katrin		Seann		NIS							
No DESIRED		notes		SALT		Nuc Btl		O2-Btl.No		CHL		Frac CHL		DIC/Aik		DOC		Urea		Part.		Prod		DON							
1 68						120		136						X																	
2 50						121				LC6																					
3 40						122				LC5																					
4 36						123				LC4				X																	
5 26						124				LC3																					
6 16						125				LC2																					
7 8						126				LC1				X																	
8																															
9																															
10																															
11																															
12																															

Notes:

[illegible]

Notes: back to 35m. Megan 30-5

VESSEL		CRUISE ID		PROJECT & LEG		Ship's CTD filename		STATION NO.	
R/V Thomas G. Thompson		TN250		BEST/BSIERP_Summer'10		250xxxxx		250 184 41 184	
CONSC		LATITUDE		LONGITUDE		TIME (GMT)		70m 26	
CAST #		DEG MIN		DEG MIN		DRY BULB		WET BULB	
2105808.64 N		16954.91 W		111 J U L 1 0		1350 6.6		14 257 12	
SEC 9+		FLUOR S/N		PRESS SN		SEC43-Oxy (prime)		MAX DEPTH =	
PRI TEMP SN		SEC43-Oxy (sec)		Transmissometer		PAR S/N		O2 Temp Sensor No.	
SEC COND SN		O2 Temp Sensor No.		Hydro Team-PAHEL		Jessica		Sambrotto	
No		DEPTH		Roset.		SALT		Nutr Btl	
1		67		141		151		LC6	
2		50		142		LC6		LC6	
3		40		143		LC5		LC4	
4		30		144		LC4		LC3	
5		20		145		LC3		LC2	
6		10		146		LC2		LC1	
7		0		147		LC1			
8									
9									
10									
11									
12									

Notes:

VESSEL		CRUISE ID		PROJECT & LEG		Ship's CTD filename		STATION NO.																															
R/V Thomas G. Thompson		TN250		BEST/BSIERP_Summer'10		250xxxxx 250 181 01		181																															
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									
2115802.83 N		16939.09 W		11 JUL 10		1553		6.6		.		14		*		*		(deg)		(kts)		*		*		(m)		711		70m25									
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		PAR COND SN		SEC COND SN		02 Temp Sensor No.		REMARKS		2 Near Pump + Near Connector		Wires for pumps		MAX. DEPTH =		m													
PRESS SN		PRI TEMP SN		SEC TEMP SN		PRI COND SN		SEC COND SN		Roset.		Hydro Team-PHIL		Jessica		Sambrotto		Alexei		Lomas		Moran		Harvey		Stocker		Katrin		Seann		NIS							
No		DESIRED		notes		SALT		Nut.Btl		O2-Btl.No		CHL.		Frac CHL.		DIC/Alk		DOC		Urea		Part.		Prod		DON													
1		68		✓		149		D60		✓		✓		✓		✓		✓		✓		✓		✓		✓		✓		✓		✓		✓		1			
2		55		✓		149		1C6		✓		✓		✓		✓		✓		✓		✓		✓		✓		✓		✓		✓		✓		2			
3		46		✓		156		1C3		✓		✓		✓		✓		✓		✓		✓		✓		✓		✓		✓		✓		✓		4			
4		38		✓		157		1C4		✓		✓		✓		✓		✓		✓		✓		✓		✓		✓		✓		✓		✓		3			
5		28		✓		157		1C3		✓		✓		✓		✓		✓		✓		✓		✓		✓		✓		✓		✓		✓		2			
6		10		✓		153		1C2		✓		✓		✓		✓		✓		✓		✓		✓		✓		✓		✓		✓		✓		1			
7		0		✓		154		1C1		✓		✓		✓		✓		✓		✓		✓		✓		✓		✓		✓		✓		✓		✓			
8																																							
9																																							
10																																							
11																																							
12																																							

Notes:

VESSEL		CRUISE ID TN250		PROJECT & LEG		Ship's CTD filename		STATION NO.	
R/V Thomas G. Thompson		TN250		BEST/BSERP_Summer'10		250xxxxy		250 181 42	
CONSC CAST #		LATITUDE		LONGITUDE		TIME (GMT)		DRY BULB	
2125842.83 N		16939.49 W		11 JUL 10		1638		6.15	
DEG MIN		DEG MIN		DAY MO YR		HR MIN		WET BULB	
2125842.83 N		16939.49 W		11 JUL 10		1638		6.15	
SBE 9+		FLUOR S/N		PRESSURE		SEA STATE		WIND DIRN.	
PRESS SN		SBE43-Oxy (pHme)		(mb)		*		(deg)	
PRI TEMP SN		SBE43-Oxy (sec)		VISIBILITY		WIND SPD.		(kts)	
SEC TEMP SN		Transmissometer		CLOUD (amt)		TYPE		WEATHER	
PRI COND SN		PAR S/N		BOTTOM DEPTH		STA. NAME/ID			
SEC COND SN		O2 Trp Sensor No.		71		70m25			
				MAX. DEPTH =					
NIS		Roset.		Hydro Team-PMEL		Jessica		Sambrotto	
DEPTH		SALT		Nut Btl		O2-Btl.No		CHL	
No		notes		Frac CHL		DIC/Alk		DOC	
1		58		✓		✓		✓	
2		28		✓		✓		✓	
3		28		✓		✓		✓	
4		23		✓		✓		✓	
5		15		✓		✓		✓	
6		12		✓		✓		✓	
7		9		✓		✓		✓	
8		6		✓		✓		✓	
9		3		✓		✓		✓	
10		3		✓		✓		✓	
11		3		✓		✓		✓	
12		4		✓		✓		✓	

Notes:

Dave

all Max - 2
3m - 1

VESSEL		CRUISE ID TN250		PROJECT & LEG		Ship's CTD filename		STATION NO.	
R/V Thomas G. Thompson		TN250		BEST/BSIERP_Summer'10		250xxxxx 250 183 41		183	

CONSC CAST #	LATITUDE		LONGITUDE		TIME (GMT)	DRY BULB (°C)	WET BULB (°C)	PRESSURE (mb)	SEA STATE *	VISIBILITY *	WIND DIRN. (deg)	WIND SPD. (kts)	CLOUD (amt) *	TYPE WEATHER *	BOTTOM DEPTH (m)	STA. NAME/ID		
	DEG	MIN	DEG	MIN													DAY	MO
2145754	16	5 N	169	03.66	W	11	JUL	10	19	47	6.5		12		241	9	69	70m23

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	02 Temp Sensor No.	MAX. DEPTH = m

NIS No.	DEPTH DESIGD	Roset. notes	Hydro Team-PMEL				Jessica		Sambrotto			Alexei	Lomas		Moran	Harvey	Stoecker	Karin	NIS No.
			SALT	Nut. Btl	02-Btl No	CHL.	Frac CHL.	DIC/AIK	DOC	Urea	Part.	Prod	DON	%PAR	POC	Th	Lessard	Seann	
1	65			162	221			X											1
2	50			163															2
3	40			164				X											3
4	30			165															4
5	20			166															5
6	10			167															6
7	0			168				X											7
8																			8
9																			9
10																			10
11																			11
12																			12

Notes:

VESSEL R/V Thomas G. Thompson		CRUISE ID TN250		PROJECT & LEG BEST/BSIERP-Summer 10		Ship's CTD filename 250xxxxx		STATION NO. 185																																							
CONSC CAST #		LATITUDE		LONGITUDE		TIME (GMT)		DRY BULB		WET BULB		PRESSURE		SEA STATE		VISIBILITY		WIND DIRN.		WIND SPD.		CLOUD (amt)		TYPE		WEATHER		BOTTOM DEPTH		STA. NAME/ID																	
DEG		MIN		DEG		MIN		DAY		MO		YR		HR		MIN		(°C)		(°C)		(mb)		*		*		(deg)		(kts)		*		*		(m)											
21		15		43		.67		N		16		8		51		.80		W		11		JUL		1		02		22		10		6.0		6.7		12		24		7		10		169		70m21	
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		Sambrotto		Alexei		Lomas		Moran		Harvey		Stoeker		Katrin		Seann		Mis																							
DEPTH		notes		SALT		Nut Br		O2-BTL NO		CHL		Frac CHL		DIC/Alk		DOC		Urea		Part.		Prod		DON																							
No		DESIRED		notes		SALT		Nut Br		O2-BTL NO		CHL		Frac CHL		DIC/Alk		DOC		Urea		Part.		Prod		DON																					
1		64		bottom		176		LC6		LD6		/																																			
2		50				177		LC6		LD6																																					
3		40				178		LC5		LD5																																					
4		30				179		LC4		LD4																																					
5		20				180		LC3		LD3																																					
6		10				181		LC2		LD2																																					
7		0				182		LC1		LD1																																					
8																																															
9																																															
10																																															
11																																															
12																																															

Notes:

VESSEL		CRUISE ID		PROJECT & LEG		Ship's CTD filename		STATION NO.																									
R/V Thomas G. Thompson		TN250		BEST/BSERP_Summer10		250xxxxy 25018201		1586																									
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			
2175737.67 N		16849.49 W		11 JUL 10		230905.9		06.7		12		25311		70																70m20			
DEG MIN		DEG MIN		DAY MO YR		HR MIN		(°C)		(°C)		(mb)		*		*		(deg)		(kts)		*		*		*		(m)					
SSE 9+		FLUOR S/N		SBE43-Oxy (prime)		SBE43-Oxy (sec)		Transmissometer		PAR S/N		PAR COND SN		SEC COND SN		O2 Temp Sensor No.		REMARKS		MAX. DEPTH =		m											
PRESS SN		PRI TEMP SN		SEC TEMP SN		PRI COND SN		SEC COND SN		O2 Temp Sensor No.		REMARKS		MAX. DEPTH =		m																	
No		DEPTH		Roset.		Hydro Team-PMEL		Jessica		Sambrotto		Alexei		Lomas		Moran		Harvey		Stoeker		Katrin		Seann		No.							
No		DESIRED		notes		SALT		Nuc.Btl		O2-Btl.No		CHL		Frac CHL		DIC/Alk		DOC		Urea		Part.		Prod		DON							
1		65		bottom		183		243		SB4																						1	
2		50				184				SB3																						2	
3		40				185				SB3																						3	
4		30				186				SB2																						4	
5		25		max		187				SB1																						5	
6		20				188				LC3																						6	
7		10				189				LC2																						7	
8		0				B16		1		LC1																						8	
9																																9	
10																																10	
11																																11	
12																																12	

Notes:

VESSEL		CRUISE ID		PROJECT & LEG		Ship's CTD filename		STATION NO.	
R/V Thomas G. Thompson		TN250		BEST/BSERP_Summer'10		250xxxxx		1588	
CONSC CAST #	LATITUDE	LONGITUDE		TIME (GMT)		DRY BULB	WET BULB	PRESSURE	SEA STATE
2195730.09N	16818.13W	12 JUL 10		07207	5.9	6.7	12	232	9
DEG	MIN	DEG	MIN	DAY	MO	YR	HR	MIN	(°C)
SEC 9+	FLUOR S/N	SBE43-Oxy (prime)		SBE43-Oxy (sec)		Transmissometer		PAR S/N	
PRESS SN									
PRI TEMP SN									
SEC TEMP SN									
PRI COND SN									
SEC COND SN									
O2 Temp Sensor No.									
REMARKS									
MAX DEPTH =									
m									
NIS		Roset.		Hydro Team-PHEL		Jessica		Sambrotto	
DEPTH		SALT		Nut:Btl		O2-Btl:No		CHL	
No		notes		Frac CHL		DIC/Aik		DOC	
No		notes		Lurea		Part.		Prod	
No		notes		DON		Alexei		Lomas	
No		notes		POC		Th		Lessard	
No		notes		Stoeker		Katrin		Seann	
No		notes		No		No		No	
1	6.7	bottom	9	22.7	LC6	LD6			
2	50		10		LC5	LD5			
3	40		11		LC4	LD4			
4	30		12		LC3	LD3			
5	20		13		LC2	LD2			
6	10		14		LC1	LD1			
7	0		15						
8									
9									
10									
11									
12									

Notes:

#2 leaks when spigot pushed in and vent closed

VESSEL		CRUISE ID		PROJECT & LEG		Ship's CTD filename		STATION NO.	
R/V Thomas G. Thompson		TN250		BEST/BSIERP_Summer'10		250xxxxx		25018901	
CONSC CAST #		LATITUDE		LONGITUDE		TIME (GMT)		DRY BULB	
22057		30.05 N		16758.75 W		12 JUL 10		0330 5.9	
DEG		MIN		DEG		MIN		WET BULB	
								(°C)	
								(°C)	
								(mb)	
								PRESSURE	
								SEA STATE	
								VISIBILITY	
								(deg)	
								(kts)	
								WIND DIRN.	
								WIND SPD.	
								CLOUD (amt)	
								TYPE	
								WEATHER	
								BOTTOM DEPTH	
								(m)	
								STA. NAME/ID	
								70m17	
SBE 9+		FLUOR S/N		SBE43-Oxy (prime)		SBE43-Oxy (sec)		Transmissometer	
PRESS SN									
PRI TEMP SN									
SEC TEMP SN									
PRI COND SN									
SEC COND SN									
O2 Temp Sensor No.									
NIS		Roset.		Hydro Team-PMEL		Jessica		Sambrotto	
DEPTH		SALT		Nutr Bt		O2-Btl.No		CHL.	
No		notes						Frac CHL.	
								DIC/Alk	
								DOC	
								Urea	
								Part.	
								Prod	
								DON	
								Alexei	
								Lomas	
								Moran	
								Harvey	
								Lessard	
								Stoecker	
								Katrin	
								Seann	
								No.	
1		bottom		16		17		18	
2		50		17		18		19	
3		40		18		19		20	
4		30		19		20		21	
5		20		20		21		22	
6		16		21		22		23	
7		0		22		23		24	
8									
9									
10									
11									
12									

Notes: Jellies on frame when recovered

VESSEL		CRUISE ID		PROJECT & LEG		Ship's CTD filename		STATION NO.	
R/V Thomas G. Thompson		TN250		BEST/BSIERP-Summer10		250xxxxx		190	
CONSC CAST #		LATITUDE		LONGITUDE		TIME (GMT)		DRY BULB	
DEG MIN		DEG MIN		DAY MO YR		HR MIN		WET BULB	
22 15 30		05 N		16 7 39		04 48		5.8	
SEC COND SN		FLUOR S/N		PRESS SN		SBE43-Oxy (prime)		PRESSURE	
SEC TEMP SN		SBE43-Oxy (sec)		SBE43-Oxy (sec)		Transmissometer		SEA STATE	
PAR COND SN		PAR S/N		02 Temp Sensor No.		REMARKS		VISIBILITY	
SEC COND SN		02 Temp Sensor No.		MAX DEPTH =		WIND DIRN.		WIND SPD.	
N/S		DEPTH		Roset.		Hydro Team-PMEL		Jessica	
NO		DESIRED		notes		SALT		Nut.Btl	
1		67		bottom		216-23		24	
2		50						25	
3		40						26	
4		30						27	
5		20						28	
6		10						29	
7		0						145-	
8									
9									
10									
11									
12									

Notes:

VESSEL		CRUISE ID TN250		PROJECT & LEG		Ship's CTD filename		STATION NO.	
R/V Thomas G. Thompson		TN250		BEST/BSIERP_Summer'10		250xxxxx 2501910		191	

CONSC CAST #	LATITUDE		LONGITUDE		TIME (GMT)	DRY BULB	WET BULB	PRESSURE	SEA STATE	VISIBILITY	WIND DIRN.	WIND SPD.	CLOUD (amt)	TYPE	WEATHER	BOTTOM DEPTH	STA. NAME/ID	
	DEG	MIN	DEG	MIN														DAY
2225729	99	N	16720	67	W	12	JUL	10	0617	5.3	6.7	12	20	6	10	72	70m15	

SSE 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.	MAX. DEPTH =

N/S	DEPTH	Roset.	Hydro Team-PMEL				Jessica				Sambrotto				Alexei	Lomas		Moran	Harvey	Stoecker	Karin	Seann	N/S
			No	DESIRED	notes	SALT	Nut.Btl	O2-Btl.No	CHL	Frac CHL	DIC/Alk	DOC	Urea	Part.		Prod	DON						
1	67	bottom		30	-89																		1
2	50			31			LC6	LD6															2
3	40			32			LC5	LD5															3
4	30			33			LC4	LD4															4
5	20			34			LC3	LD3															5
6	10			35			LC2	LD2															6
7	0			36			LC1	LD1															7
8																							8
9																							9
10																							10
11																							11
12																							12

Notes:

VESSEL		CRUISE ID TN250		PROJECT & LEG		Ship's CTD filename		STATION NO.	
R/V Thomas G. Thompson		TN250		BEST/BSIERP_Summer'10		250xxxxx		2 5 0 192 01	
CONSC CAST #		LATITUDE		LONGITUDE		TIME (GMT)		DRY BULB	
DEG MIN		DEG MIN		DAY MO YR		HR MIN		WET BULB	
22 35 31.35 N		16 30 2.11 W		12 JUL 10		07 30		5.5 6.4 12	
SSE 9+		FLUOR S/N		SBE43-Oxy (prime)		PRESSURE		SEA STATE	
PRESS SN		SBE43-Oxy (sec)		Transmissometer		VISIBILITY		WIND DIRN	
PRI TEMP SN		PAR S/N		02 Trip Sensor No.		WIND SPD		CLOUD (amt)	
SEC TEMP SN						TYPE		WEATHER	
PRI COND SN						BOTTOM DEPTH		STA. NAME/ID	
SEC COND SN						71		70m14	
MAX. DEPTH =									
NIS DEPTH		Roset.		Hydro Team-PHEL		Jessica			
No DESIRED		notes		SALT		Nut Btl		O2-Btl.No	
1 66		bottom		37		143		LC6	
2 50				38				LC5	
3 40				39				LC4	
4 30				40				LC3	
5 20				41				LC2	
6 10				42				LC1	
7 0				43					
8									
9									
10									
11									
12									

Notes:

VESSEL		CRUISE ID		PROJECT & LEG		Ship's CTD filename		STATION NO.												
R/V Thomas G. Thompson		TN250		BEST/BSIERP_Summer'10		250xxxxy 25019301		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		
2245725.34N	DEG	MIN	DEG	MIN	DAY	MO	YR	HR	MIN	(°C)	(°C)	(mb)	*	*	(deg)	(kts)	*	*	(m)	70M13
					12	JUL	10	06	05	4	5	9			12	203	11		74	
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-PWEL				Jessica				Sambrotto			Alexei	Lomas		Moran	Harvey	Stoecker	Katrin	Nis	
			No	DESIRED	notes	SALT	Nut.Btl	O2-Btl.No	CHL.	Frac.CHL.	DIC/Alk	DOC	Urea	Part.	Prod	DON	%PAR	POC	Th	Lessard		
1	66	✓			44	-																1
2	50				48	LC6			X													2
3	40				46	LC5																3
4	30	Chl may			47	LC4			X													4
5	20				48	LC3			X													5
6	10				49	LC2			1													6
7	0				50	LC1																7
8																						8
9																						9
10																						10
11																						11
12																						12

Notes:

VESSEL		CRUISE ID TN250		PROJECT & LEG		Ship's CTD filename		STATION NO.	
R/V Thomas G. Thompson		TN250		BEST/BSERP_Summer'10		250xxxxx 25019401		194	

CONSC CAST #	LATITUDE		LONGITUDE		TIME (GMT)	DRY BULB	WET BULB	PRESSURE	SEA STATE	VISIBILITY	WIND DIRN.	WIND SPD.	CLOUD (amt)	TYPE	WEATHER	BOTTOM DEPTH	STA. NAME/ID	
	DEG	MIN	DEG	MIN														DAY
22557	26	55	N	16631	34	W	12	JUL	10	1017	5	7						20M12
REMARKS <i>Sally fish at interface survey dusk</i>																		

SEC 9+	FLUOR S/N	SBE43-Oxy (prime)	SBE43-Oxy (sec)	Transmissometer	PAR S/N	02 Temp Sensor No.

NIS	DEPTH	Roset.	Hydro Team-PMEL				Jessica				Sambrotto				Alexei	Lomas		Moran	Harvey	Stoeker	Katrin	NIS
			No	DESIRED	notes	SALT	Nut.Btl	O2-Btl.No	CHL.	Frac CHL.	DIC/Alk	DOC	Urea	Part.		Prod	DON					
1	64			51	175																1	
2	50			52		LC6	LD1														2	
3	40			53		LC5	LD5														3	
4	30			54		LC4	LD4														4	
5	20			55		LC3	LD3														5	
6	10			56		LC2	LD2														6	
7	0			57		LC1	LD1														7	
8																					8	
9																					9	
10																					10	
11																					11	
12																					12	

Notes:

Jelmer

VESSEL		CRUISE ID TN250		PROJECT & LEG		Ship's CTD filename		STATION NO.	
R/V Thomas G. Thompson		TN250		BEST/BSIERP_Summer'10		250xxxxx		2 5 0 19501	
CONSC CAST #		LATITUDE		LONGITUDE		TIME (GMT)		DRY BULB	
DEG MIN		DEG MIN		DAY MO YR		HR MIN		WET BULB	
22 6 57 19		16 6 19		12 10 10		12 04		5.4	
PRESS SN		FLUOR S/N		SBE43-Oxy (prime)		PRESSURE		SEA STATE	
PRI TEMP SN		SBE43-Oxy (sec)		Transmissometer		VISIBILITY		WIND DIRN.	
SEC TEMP SN		PAR S/N		O2 Temp Sensor No.		WIND SPD.		WIND SPD.	
PRI COND SN		MAX DEPTH =		REMARKS		CLOUD (amt)		CLOUD (amt)	
SEC COND SN		m				TYPE		WEATHER	
						BOTTOM DEPTH		STA. NAME/ID	
						70		20M11	

NIS	DEPTH	Roset.	Hydro Team-PHEL				Jessica				Sambrotto				Alexei	Lomas		Moran	Harvey	Stoeker	Katrin	Seann	NIS
			No.	DESIRED	notes	SALT	Nut.Btl	O2-Btl.No	CHL.	Frac CHL.	DOC/Alk	DOC	Urea	Part.		Prod	DON						
1	65				58	144			X														1
2	50				59		LC6																2
3	40				60		LC5																3
4	30				61		LC4		X														4
5	20				62		LC3		X														5
6	10				63		LC2																6
7	0				64		LC1																7
8																							8
9																							9
10																							10
11																							11
12																							12

Notes:

Jellyfish at surface
Jellyfish on way up at 18m

VESSEL		CRUISE ID		PROJECT & LEG		Ship's CTD filename		STATION NO.																																																																																																																																																																																																																																																																																																																															
R/V Thomas G. Thompson		TN250		BEST/BSIERP_Summer'10		250xxxxx 2 5 0 196 01		196																																																																																																																																																																																																																																																																																																																															
CONSC	LATITUDE	LONGITUDE		TIME (GMT)		DRY BULB	WET BULB	PRESSURE	SEA STATE																																																																																																																																																																																																																																																																																																																														
CAST #	DEG MIN	DEG MIN	DAY	MO	YR	HR	MIN	(°C)	(°C)																																																																																																																																																																																																																																																																																																																														
22757	19.14 N	16600.62 W	12 JUL	10	1328	5.4		11	16508																																																																																																																																																																																																																																																																																																																														
REMARKS																																																																																																																																																																																																																																																																																																																																							
MAX DEPTH =																																																																																																																																																																																																																																																																																																																																							
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SEC COND SN	02 Temp Sensor No.																																																																																																																																																																																																																																																																																																																																						
<table border="1"> <thead> <tr> <th rowspan="2">NIS</th> <th rowspan="2">DEPTH</th> <th rowspan="2">Roset.</th> <th colspan="4">Hydro Team-PMEL</th> <th colspan="4">Jessica</th> <th colspan="4">Sambrotto</th> <th rowspan="2">Alexei</th> <th colspan="2">Lomas</th> <th rowspan="2">Moran</th> <th rowspan="2">Harvey</th> <th rowspan="2">Stocker</th> <th rowspan="2">Karrn</th> <th rowspan="2">NIS</th> </tr> <tr> <th>DESIRIED</th> <th>notes</th> <th>SALT</th> <th>Nur.Btl</th> <th>O2-Btl.No</th> <th>CHL</th> <th>Frac CHL</th> <th>DIC/Aik</th> <th>DOC</th> <th>Urea</th> <th>Part.</th> <th>Prod</th> <th>DON</th> <th>%PAR</th> <th>POC</th> <th>Th</th> <th>Lessard</th> <th>Seann</th> <th>No.</th> </tr> </thead> <tbody> <tr> <td>1</td> <td>50</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td>1</td> </tr> <tr> <td>2</td> <td>64</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td>2</td> </tr> <tr> <td>3</td> <td>50</td> <td>1321</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td>3</td> </tr> <tr> <td>4</td> <td>40</td> <td>1321</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td>4</td> </tr> <tr> <td>5</td> <td>30</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td>5</td> </tr> <tr> <td>6</td> <td>20</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td>6</td> </tr> <tr> <td>7</td> <td>10</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td>7</td> </tr> <tr> <td>8</td> <td>0</td> <td>dup's</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td>8</td> </tr> <tr> <td>9</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td>9</td> </tr> <tr> <td>10</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td>10</td> </tr> <tr> <td>11</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td>11</td> </tr> <tr> <td>12</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td>12</td> </tr> </tbody> </table>										NIS	DEPTH	Roset.	Hydro Team-PMEL				Jessica				Sambrotto				Alexei	Lomas		Moran	Harvey	Stocker	Karrn	NIS	DESIRIED	notes	SALT	Nur.Btl	O2-Btl.No	CHL	Frac CHL	DIC/Aik	DOC	Urea	Part.	Prod	DON	%PAR	POC	Th	Lessard	Seann	No.	1	50																					1	2	64																					2	3	50	1321																				3	4	40	1321																				4	5	30																					5	6	20																					6	7	10																					7	8	0	dup's																				8	9																						9	10																						10	11																						11	12																						12
NIS	DEPTH	Roset.	Hydro Team-PMEL				Jessica						Sambrotto				Alexei	Lomas		Moran	Harvey	Stocker	Karrn	NIS																																																																																																																																																																																																																																																																																																															
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Notes: Starting down - Jollyfish in primary Sal instrument, 51 bad ~ 0.5 psu 1 sec

VESSEL R/V Thomas G. Thompson		CRUISE ID TN250		PROJECT & LEG BEST/BSIERP_Summer'10		Ship's CTD filename 250xxxxx		STATION NO. 197																													
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							
22857		15.71 N		16544.81 W		12 JUL 10		1455		5.2		.11		172		6														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.																																	
NIS		Roset.		Hydro Team-PMEL		Jessica																															
DEPTH		SALT		Nut Btl		O2-Btl No		CHL		Frac CHL		DIC/Alk		DOC		Urea		Part.		Prod		DON		Alexei		Lomas		Moran		Harvey		Stoeker		Katrin			
No		DESIRED		notes																																	
1		65				72		178				X		X																							
2		50				73						X		X																							
3		40				74						X		X																							
4		30				75						X		X																							
5		20				76						X		X																							
6		10				77						X		X																							
7		0				78						X		X																							
8																																					
9																																					
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Notes:

VESSEL		CRUISE ID		PROJECT & LEG		Ship's CTD filename		STATION NO.											
R/V Thomas G. Thompson		TN250		BEST/BSIERP_Summer'10		250xxxxx		197											
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	
22957	15.71	N	16544.81	W	1211	1015335	5.3		14	239	46						74	70m49	
SBE 9+			FLUOR S/N		REMARKS		Jellyfish in transducer												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		Sambrotto		Alexei	Lomas	Moran	Harvey	Stoeker	Katrin	NIS				
No	DESIGNED	notes	SALT	Nut.Btl	O2-Btl.No	CHL	Frac CHL	DIC/Alk	DOC	Urea	Part.	Prod	DON	%PAR	POC	Th	Lessard	Seann	No.
1	46													1.5	30				1
2	30													5	9				2
3	24													9	17				3
4	18													17	30				4
5	12													30	55				5
6	6													55	150				6
7	1													150					7
8																			8
9																			9
10																			10
11																			11
12																			12

Notes:

46
30
24
18
12

46 6
30 1
24 1
18
12

Chl Max ~ 26

VESSEL		CRUISE ID		PROJECT & LEG		Ship's CTD filename		STATION NO.											
R/V Thomas G. Thompson		TN250		BEST/BSIERP_Summer'10		250xxxxx		250 244 01											
CONSC	LATITUDE	LONGITUDE		TIME (GMT)		DRY BULB	WET BULB	PRESSURE	SEA STATE	VISIBILITY	WIND DIRN.	WIND SPD.	CLOUD (amt)	TYPE	WEATHER	BOTTOM DEPTH	STA. NAME/ID		
CAST #	DEG MIN	DEG MIN	DAY	MO	YR	HR	MIN	(°C)	(°C)	(mb)	*	*	(deg)	(kts)	*	*	(m)	70m6	
2325	653.10	165018.28	W	12	JUL	10	1946	16.0	6.4	110			502.5			73			
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	Roset.	Hydro Team-PMEL		Jessica		Sambroto			Alexei	Lomas		Moran	Harvey	Stoeker	Karin	NIS	
No.	DESIRED	notes	SALT	Nut.Btl	O2-Btl.No	CHL	Frac CHL	DIC/Aik	DOC	Urea	Part.	Prod	DON	%PAR	POC	Th	Lessard	Seann	No.
1	68	bottom		93															1
2	30			94		LC6	LD6												2
3	40			95		LC5	LD5												3
4	30			96		LC4	LD4												4
5	22	max		97		SB1	SA1												5
6	10			98		LC2	LD2												6
7	0		-83	99	-19	LC1	LD1												7
8																			8
9																			9
10																			10
11																			11
12																			12

Notes:

VESSEL		CRUISE ID		PROJECT & LEG		Ship's CTD filename		STATION NO.											
R/V Thomas G. Thompson		TN250		BEST/BSIERP_Summer'10		250xxxxx 2508610		201											
CONSC	LATITUDE	LONGITUDE		TIME (GMT)		DRY BULB	WET BULB	PRESSURE	SEA STATE	VISIBILITY	WIND DIRN.	WIND SPD.	CLOUD (amt)	TYPE	WEATHER	BOTTOM DEPTH	STA. NAME/ID		
CAST #	DEG MIN	DEG MIN	DAY	MO	YR	HR	MIN	(°C)	(°C)	(mb)	*	*	(deg)	(kts)	*	*	(m)	70m5	
23356	54.53	N 16454.44	W 12	JUL	10	02	123	7.0	7.0	10			382	1			72		
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		Sambrotto		Alexei	Lomas		Moran	Harvey	Stoeker	Katrin	NIS			
No	DESIRED	notes	SALT	Nut. Btl	O2-Btl. No	CHL.	Frac CHL.	DIC/Alk	DOC	Urea	Part.	Prod	DON	%PAR	POC	Th	Lessard	Seann	No.
1	67	bottom		100	182-			/											1
2	50			101		LC6													2
3	40			102		LC5		/											3
4	30			103		LC4													4
5	20			104		LC3													5
6	10			105		LC2													6
7	0			106		LC1		/											7
8																			8
9																			9
10																			10
11																			11
12																			12

Notes:

VESSEL		CRUISE ID		PROJECT & LEG		Ship's CTD filename		STATION NO.	
R/V Thomas G. Thompson		TN250		BEST/BSIERP_Summer'10		250xxxxx		250 25201	
CONSC CAST #		LATITUDE		LONGITUDE		TIME (GMT)		DRY BULB	
DEG		MIN		DEG		MIN		WET BULB	
2345650		.96 N		10434.45 W		12 JUL 10		2240 6.9	
SBE 9+		FLUOR S/N		TIME (GMT)		DRY BULB		WET BULB	
PRESS SN		SBE43-Oxy (prime)		HR		MIN		(°C)	
PRI TEMP SN		SBE43-Oxy (sec)		2240		6.9		7.510	
SEC TEMP SN		Transmissometer		WIND DIRN.		WIND SPD.		CLOUD (amt)	
PRI COND SN		PAR S/N		2935		* * *		WEATHER	
SEC COND SN		O2 Temp Sensor No.		MAX DEPTH =		72		BOTTOM DEPTH	
NIS		Roset.		Hydro Team-PHEL		Jessica		Samhrotto	
DEPTH		SALT		Nut:Btl		O2-Btl.No		CHL	
NO		notes		Frac CHL		DIC/Alk		DOC	
1		67 bottom		107		LC6		LC5	
2		50		108		LC6		LC5	
3		40		109		LC6		LC5	
4		32		110		SBI		LC3	
5		20		111		LC3		LC2	
6		10		112		LC2		LC1	
7		0		113		113		113	
8									
9									
10									
11									
12									

Notes:

VESSEL		CRUISE ID		PROJECT & LEG		Ship's CTD filename		STATION NO.	
R/V Thomas G. Thompson		TN250		BEST/BSIERP_Summer'10		250xxxxx 2 5 0 20301		203	
CONSC CAST #		LATITUDE		LONGITUDE		TIME (GMT)		DRY BULB	
DEG MIN		DEG MIN		DAY MO YR		HR MIN		WET BULB	
238 50 49.95 N		164 18.66 W		13 JUL 10		00 14		6.6 7.0 11.0	
SBE 9+		FLUOR S/N		REMARKS		PRESSURE		SEA STATE	
PRESS SN		SBE43-Oxy (prime)				VISIBILITY		WIND DIRN.	
PRI TEMP SN		SBE43-Oxy (sec)				WIND SPD.		WIND (kts)	
SEC TEMP SN		Transmissometer				CLOUD (amt)		TYPE	
PRI COND SN		PAR S/N				WEATHER		BOTTOM DEPTH	
SEC COND SN		Q2 Temp Sensor No.				MAX. DEPTH =		STA. NAME/ID	
NIS		Roset.		Hydro Team: PMEL		Jessica		Sambrotto	
No		DESIRED		SALT		Nut.Bri		Q2-Bti.No	
1		63 bottom		114		115		LC6 LD6	
2		50		116		117		LC5 LD5	
3		40		118		119		SBI SAI	
4		30		120		121		LC3 LD3	
5		20		121		122		LC2 LD2	
6		10		122		123		LC1 LD1	
7		0							
8									
9									
10									
11									
12									

Notes:

VESSEL		CRUISE ID		PROJECT & LEG		Ship's CTD filename		STATION NO.	
R/V Thomas G. Thompson		TN250		BEST/BSERP_Summer'10		250xxxxx		250 29401	
CONSC CAST #		LATITUDE		LONGITUDE		TIME (GMT)		DRY BULB	
2365652.52 N		164102.97 W		13 JUL 10		0135		6.5	
DEG		MIN		DEG		MIN		WET BULB	
2365652.52		52		164102.97		13		7.5	
SEC 9+		FLUOR S/N		SBE43-Oxy (prime)		PRESSURE		SEA STATE	
PRESS SN		SBE43-Oxy (sec)		Transmissometer		VISIBILITY		WIND DIRL.	
PRI TEMP SN		PAR S/N		O2 Temp Sensor No.		(mb)		WIND SPD.	
SEC TEMP SN		PAR S/N		O2 Temp Sensor No.		* *		CLOUD (amt)	
PRI COND SN		PAR S/N		O2 Temp Sensor No.		* *		TYPE	
SEC COND SN		PAR S/N		O2 Temp Sensor No.		* *		WEATHER	
ROSCT.		Hydro Team-PMEL		Jessica		Sambrotto		Alexei	
No		DESIRED		SALT		Nut.Bt		O2-Bt.No	
1		6+		bottom		CHL		Frac CHL	
2		50				DIC/Alk		DOC	
3		40				Urea		Part.	
4		30				Prod		DON	
5		20				Alexei		Lomas	
6		10				Moran		Harvey	
7		0				Lessard		Stoeker	
8						Katrin		Seann	
9						No.			
10									
11									
12									

Notes:

1. Only 1 sample # 1417

Brought east up from 50m

yellowish

REMARKS

MAX DEPTH =

VESSEL		CRUISE ID		PROJECT & LEG		Ship's CTD filename		STATION NO.	
R/V Thomas G. Thompson		TN250		BEST/BSIERP_Summer'10		250xxxxx		25020409	
CONSC CAST #		LATITUDE		LONGITUDE		TIME (GMT)		DRY BULB	
DEG MIN		DEG MIN		DAY MO YR		HR MIN		WET BULB	
23 45		52 N		164 02.97 W		13 JUL 10		0159	
SBE 9+		FLUOR S/N		REMARKS		PRESSURE		SEA STATE	
PRESS SN		SBE43-Oxy (prime)				VISIBILITY		WIND DIRN.	
PRI TEMP SN		SBE43-Oxy (sec)				WIND SPD.		WIND	
SEC TEMP SN		Transmissometer				CLOUD (amt)		TYPE	
PRI COND SN		PAR S/N				WEATHER		BOTTOM DEPTH	
SEC COND SN		02 Temp Sensor No.				MAX. DEPTH =		STA. NAME/ID	
NIS		Roset.		Hydro Team-PMEL		Jessica		Sambrotto	
DEPTH		SALT		Nut. Btl		02-Btl. No		CHL.	
No		notes		Frac CHL.		DIC/ALK		DOC	
1		67 bottom		122		123		LC6	
2		20		123		124		LC5	
3		40		124		125		LC5	
4		30		125		126		LC5	
5		20		126		127		LC5	
6		10		127		128		LC5	
7		0		128		129		LC5	
8				129		130		LC5	
9				130		131		LC5	
10				131		132		LC5	
11				132		133		LC5	
12				133		134		LC5	

Notes:

VESSEL		CRUISE ID		PROJECT & LEG		Ship's CTD filename		STATION NO.											
R/V Thomas G. Thompson		TN250		BEST/BSIERP_Summer'10		250xxxxx		25020501											
CONSC	LATITUDE	LONGITUDE		TIME (GMT)		DRY BULB	WET BULB	PRESSURE	SEA STATE	VISIBILITY	WIND DIRN.	WIND SPD.	CLOUD (amt)	TYPE	WEATHER	BOTTOM DEPTH	STA. NAME/ID		
CAST #	DEG MIN	DEG MIN	DAY	MO	YR	HR	MIN	(°C)	(°C)	(mb)	+	+	(deg)	(kts)	+	+	(m)	70m1	
2385646.27N	16357.58W	13JUL10	0246	6.6	7.6	09	36034	73											
SBE 9+	FLUOR S/N	REMARKS																	
PRESS SN	SBE43-Oxy (prime)	Jelly fish																	
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		Sambrotto			Alexei	Lomas		Moran	Harvey	Stoeker	Katrin	NIS		
No	DESIRED	notes	SALT	Nut.Btl	O2-Btl.No	CHL.	Frac CHL.	DIC/Alk	DOC	Urea	Part.	Prod	DON	%PAR	POC	Th	Lessard	Seann	No.
1	69			129	231-	L	L												1
2	50			130		L	L												2
3	40			131		L	L												3
4	28			132		S	S												4
5	20			133		L	L												5
6	10			134		L	L												6
7	0			135		L	L												7
8																			8
9																			9
10																			10
11																			11
12																			12

Notes:

VESSEL		CRUISE ID		PROJECT & LEG		Ship's CTD filename		STATION NO.																																
R/V Thomas G. Thompson		TN250		BEST/BSIERP_Summer'10		250xxxxx 2 5 0		246 01 266																																
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																						
23954	DEG	MIN	DEG	MIN	DAY	MO	YR	HR	MIN	(°C)	(°C)	(mb)	*	*	(deg)	(kts)	*	*	(m)	561																				
26.45			16459.13		W	14	JUL	10	1554	6.3	.	16			278	16			56																					
REMARKS																																								
SBE 9+ _____ FLUOR S/N _____																																								
PRESS SN _____ SBE43-Oxy (prine) _____																																								
PRI TEMP SN _____ SBE43-Oxy (sec) _____																																								
SEC TEMP SN _____ Transmissometer _____																																								
PRI COND SN _____ PAR S/N _____																																								
SEC COND SN _____ O2 Temp Sensor No. _____																																								
Hydro Team-PMEL																																								
Roset.		SALT		Nut.Bt		O2-Btl.No		CHL		Frac CHL		DIC/Alk		DOC		Urea		Part.		Prod		DON		Alexei		Lomas		Moran		Harvey		Stoeker		Katrin		Seann		No.		
No	DEPTD	notes																																						
1	4.5																																							
2	30																																							
3	20																																							
4	10																																							
5	0																																							
6																																								
7																																								
8																																								
9																																								
10																																								
11																																								
12																																								

Notes:

VESSEL		CRUISE ID		PROJECT & LEG		Ship's CTD filename		STATION NO.	
R/V Thomas G. Thompson		TN250		BEST/BSIERP_Summer10		250xxxxx 25020701		207	
CONSC CAST #		LATITUDE		LONGITUDE		TIME (GMT)		DRY BULB	
240		54.25		165.08		41		13 JUL 10 1648	
DEG		MIN		DEG		MIN		DAY	
MO		YR		HR		MIN		SEC	
W		13		10		16		48	
WET BULB		PRESSURE		SEA STATE		VISIBILITY		WIND DIRN.	
6.3		16		*		275		25	
WIND SPD.		CLOUD (amt)		TYPE		WEATHER		BOTTOM DEPTH	
25		*		*		*		134	
STA. NAME/ID		MAX. DEPTH =		m					
0102									
SBE 9+		FLUOR S/N		SBE43-Oxy (prime)		SBE43-Oxy (sec)		Transmissometer	
PRESS SN									
PRI TEMP SN									
SEC TEMP SN									
PRI COND SN									
SEC COND SN									
O2 Temp Sensor No.									
Nig		Roset.		Hydro Team-PMEL		Jessica		Sambroto	
No		DESIGNED		SALT		Nut. Brt		O2-Btl.No	
1		123		141		143		145	
2		100		142		143		144	
3		75		143		144		145	
4		50		144		145		146	
5		310		145		146		147	
6		200		146		147		148	
7		100		147		148		149	
8		10		148		149		150	
9									
10									
11									
12									
Nis		No.		Alexei		Lomas		Moran	
1		1		1		1		1	
2		2		2		2		2	
3		3		3		3		3	
4		4		4		4		4	
5		5		5		5		5	
6		6		6		6		6	
7		7		7		7		7	
8		8		8		8		8	
9		9		9		9		9	
10		10		10		10		10	
11		11		11		11		11	
12		12		12		12		12	

Notes:

VESSEL		CRUISE ID TN250		PROJECT & LEG		Ship's CTD filename		STATION NO.																									
R/V Thomas G. Thompson		TN250		BEST/BSERP_Summer'10		250xxxxx		2 5 0 20921																									
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			
2425		420.48 N		16525.70 W		13 JUL 10		1905		6.1		.17		269		27		152												004			
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		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 DEPTH		Roset.		Hydro Team-PMEL		Jessica		Sambrotto		Alexei		Lomas		Moran		Harvey		Stocker		Katrin		NIS											
No. DESIRED		notes		SALT		Nut.Bt		O2-Btl.No		CHL		Frac CHL		DIC/Alk		DOC		Urea		Part.		Prod		DON									
1 147						157																											
2 125						158																											
3 100						159																											
4 80				XB28		160																											
5 60						161																											
6 40						162																											
7 20						163																											
8 0				XB31		164																											
9																																	
10																																	
11																																	
12																																	

Notes: