

VESSEL R/V Melville		CRUISE ID ME0823		PROJECT & LEG PMEL/EcoFOCI		Ship Designation (I.D.)				STATION NO.									
CONSEC CAST #		LATITUDE		LONGITUDE		TIME (GMT)		DRY BULB	WET BULB	PRESSURE	5.5 WIND DIRN. SPD.	SEA STATE VISIBILITY	5.5 WIND TYPE WEATHER	116 BOTTOM DEPTH	DH3 STA. NAME/ID				
DEG	MIN	DEG	MIN	DAY	MO	HR	MIN	(°C)	(°C)	(mb)	*	*	(deg)	(kts)	*	(m)			
D	H	3	5	3	57	.48	N	166	30	.19	19	13	9	1	9.4	48	317	11	125
SBE 9+								FLUOR S/N											
PRESS SN								SBE43-Oxy (prime)											
PRI TEMP SN								SBE43-Oxy (sec)											
SEC TEMP SN								Transmissometer											
PRI COND SN								PAR S/N											
SEC COND SN								02 Tmp Sensor No.											
NIS	DEPTH	Roset.		Hydro Team-PMEL				Weingartner	Other										
No	DESIRED	notes	SALT	NUTS	02-BL	No	02 Temp	CHL.	Frac CHL.	018									
1	115																		1
3	100																		2
5	100																		3
7	90																		4
9	68																		5
11	68																		6
13	47																		7
15	47																		8
17	5																		9
19	5																		10
11																			11
12																			12

Comments:

Rosette Notes:

VESSEL R/V Meriville	CRUISE ID ME0823	PROJECT & LEG PMEL/EFOCI	Ship Designation (I.D.)	STATION NO.	Depth																			
					CONSC	CAST #	LATITUDE		LONGITUDE		TIME (GMT)			DRY BULB	WET BULB	PRESSURE	SEA STATE	WIND	CLOUD (amt)	WEATHER				
							DEG	MIN	DEG	MIN	DAY	MO	YR	HR	MIN	*	*	(deg)	(kts)	*	*			
D	H	O	5	35	7	.51	N	16	6	29	.33	W	24	AUG	08	22	02	9.7	9.6	67	3	11	11	D H Ø
SBE 9+																FLUOR S/N							MAX DEPTH =	
PRESS SN																SBE43-Dby (prime)							m	
PRI TEMP SN																SBE43-Dby (sec)								
SEC TEMP SN																Transmissometer								
PRI COND SN																PAR S/N								
SEC COND SN																02 Temp Sensor No.								
MIS	DEPTH	ROSET.	Hydro Team-PMEL						Weightmeter		Other													
No	DESIR ED	notes	SALT	NUTS	02-Btl.No	02 Temp	CHL	Frac CHL	018													No		
1																						1		
3																						2		
5																						3		
7																						4		
9																						5		
11																						6		
13																						7		
15																						8		
17																						9		
19																						10		
21																						11		
23																						12		

Comments:

Rosette Notes:

VESSEL R/V Melville		CRUISE ID ME0823		PROJECT & LEG PMEL/EcoFOCI		Ship Designation (ID.)		STATION NO.	
443	57.52	29.41		2234					
CONSC CAST #	LATITUDE			LONGITUDE		TIME (GMT)	DRY BULB	WET BULB	PRESSURE
D H 2 5 3 5 7 . 5 2 N				D EG MIN	MIN DAY MO YR HR	MIN	(°C)	(°C)	SEA STATE
									WIND D I R N . S P D .
									CLOUD (amt)
SBE 9+									BOTTOM
PRESS SN									STA. NAME/ID
PRI TEMP SN									
SEC TEMP SN									
PRI COND SN									
SEC COND SN									
NIS DEPTH	ROSET	Hydro Team+PMEL				Wet/dry	Wet/dry	Other	NIS
No.	DESIR ED notes	SALT	NUTS	02-BTL No	02 Temp	CHL.	Frac CHL.	018	No.
1	90								1
3	1								2
5	2								3
7	4								4
9	6								5
11	5								6
13	7								7
15	8								8
17	9								9
19	10								10
21	11								11
23	12								12

Comments:

Rosette Notes:

VESSEL R/V Melville		CRUISE ID ME0823		PROJECT & LEG PMEL/EcoFOCI		Ship Designation (I.D.)		STATION NO.	
404	CONSC LAST #	Latitude DEG MIN	Longitude DEG MIN	Day Mo	YR	Time (GMT) HR MIN	Dry Bulb (°C)	Wet Bulb (°C)	Pressure (mb)
501	56	63.36	N 171 18.2	21	AUG 08	21 28	20.6	20.6	* * (deg)
SBE 9+	PRESS SN	SBE43-Oxy (prime)	SBE43-Oxy (sec)	Transmissometer	PAR S/N	02 Temp Sensor No.			
PRI TEMP SN	SEC TEMP SN	PRI COND SN	SEC COND SN						
No	Desired Notes	SALT	NUTS	02-BTL No	02 Temp	CHL	Frac CHL	018	Wellingmet Other
1	200		1						No
2	150		2						
3	125		3						
4	100		4						
5	75		5						
6	50		6						
7	40		7						
8	30		8						
9	20		9						
10	10		10						
11	0		11	X80	9.9	✓			
12									

Comments:

Rosette Notes:

VESSEL R/V Metville		CRUISE ID ME0823		PROJECT & LEG PMEI/GeoFOCI		Ship Designation (I.D.)		STATION NO. NSP/4							
CONSC CAST #	LATITUDE DEG MIN	LONGITUDE DEG MIN	DAY	MO	YR	TIME (GMT) HR MIN	DRY BULB (*C)	WET BULB (*C)	PRESSURE (mb)	SEA STATE	WIND DIRN. (deg)	WIND SPD. (kts)	CLOUD (amt) TYPE	BOTTOM DEPTH (m)	STA. NAME/ID
00556	16.95	N 17103.04	W 25	AUG	08	2346	9.6	.	1013	80	08	8	137	NP/4	
SBE 9+															
PRESS SN															
PRI TEMP SN															
SEC TEMP SN															
PRI COND SN															
SEC COND SN															
NIS DEPTH	Roset.	Hydro Team-PMEI				Weininger	Other								NIS
No. DESIRED notes		SALT	NUTS	02-Btl.No	02 Temp	CHL.	Frac CHL.	018							No.
1 BTT	127	C-06	12	269											1
2	105		13												2
3	75		14												3
4	50		15												4
5	40		16												5
6	30		17												6
7	20		18												7
8	16		19												8
9	0		20												9
10															10
11															11
12															12

Comments:

TOP 3 samples  
but not sampled

Rosette Notes:

VESSEL R/V Melville		CRUISE ID ME0823		PROJECT & LEG PANEL/EGOFOCI		Ship Designation (I.D.)						STATION NO.			
CONSC CAST #	LATITUDE DEG MIN	LONGITUDE DEG MIN	DAY	MO	YR	TIME (GMT) HR MIN	DRY BULB (*C)	WET BULB (*C)	PRESSURE (mb)	SEA STATE	WIND DIRN (deg)	WIND SPD. (kts)	CLOUD (amt) TYPE	BOTTOM DEPTH (m)	STA. NAME/ID
006	56°30'.	76°N	176	48	25	W 26 AUG 08	17	8	9	81%	003	833	5106	121	N P 13
SBE 9+						FLUOR S/N									
PRESS SN						SBE43-Oxy (prime)									
PRI TEMP SN						SBE43-Oxy (sec)									
SEC TEMP SN						Transmissometer									
PRI COND SN						PAR S/N									
SEC COND SN						O2 Temp Sensor No.									
NIS	DEPTH	Roset.	Hydro Team-PMEI				Weingartner	Other				Nis			
No.	DESIRED notes	SALT	NUTS	02-BTU/No	02 Temp	CHL	Frac CHL	018							No.
8	85T		21												
3	100		22												
5	75		23												
7	50		24			1									
9	40		25												
11	30		26												
13	20		27												
15	10		28												
17	0		29	x6k											
19															
21															
23															
12															

Comments:

Top 3 no Sauer

O2 may be off chemical pump issue

VESSEL R/V Methane		CRUISE ID ME0823		PROJECT & LEG PMEL/EcoFOCI		Ship Designation (I.D.) Methane		STATION NO.								
CONSC CAST #	LATITUDE DEG MIN	LONGITUDE DEG MIN	DAY	MO	YR	TIME (GMT) HR MIN	DRY BULB °C	WET BULB °C	PRESSURE (mb)	SEA STATE * (deg)	WIND DIRN	WIND SPD. (kts)	CLOUD (amt) * (deg)	WEATHER TYPE	BOTTOM DEPTH (m)	STA. NAME/ID
SBE 9+																
PRESS SN																
PRI TEMP SN																
SEC TEMP SN																
PRI COND SN																
SEC COND SN																
NIS	DEPTH	ROSET	Hydro Team-PMEI				Wengenmeier		Other		No.		NIS			
No.	DESIRED notes		SALT	NUTS	02-Btl.No	02 Temp	CHL.	Frac CHL.	018							
1	BOTT		C-12	30	103											
2			75	31	106											
3			50	32												
4			40	33												
5			30	34												
6			20	35												
7			10	36												
8			8	37												
9																
10																
11																
12																
13																
14																
15																
16																
17																
18																
19																
20																
21																
22																
23																

Comments:

Top 4 bottles no sample  
ship makes you pop all bottles!

Rosette Notes:

VESSEL R/V Metivier		CRUISE ID ME0823		PROJECT & LEG PMEL/Eco-OC		Ship Designation (I.D.)		STATION NO. NP-11			
CONSC CAST #	LATITUDE DEG MIN	LONGITUDE DEG MIN	TIME (GMT) DAY MO YR HR MIN	DRY BULB °C	WET BULB °C	PRESSURE (mb)	SEA STATE * * (deg)	WIND DIRN. SPD. (kts)	WIND CLOUD (amt) TYPE WEATHER	BOTTOM DEPTH (m)	STA. NAME/ID
SBE 9+											
PRESS SN											
PRI TEMP SN											
SEC TEMP SN											
PRI COND SN											
SEC COND SN											
NIS DEPTH	Roset.	Hydro Team-PHEL	Weingerther	Other							
NO. DESIRED notes	SALT	NUTS	02-BBL No	02 Temp	CHL.	Frac CHL.	018				
1 4 Batt		38									
2 50		39									
3 40		40									
4 30		41									
5 20		42									
6 10		43									
7 0		44 X 102									
8											
9											
10											
11											
12											
13											
14											
15											
16											
17											
18											
19											
20											
21											
22											
23											

Rosette Notes:

Comments:

VESSEL R/V Melville	CRUISE ID ME0823	PROJECT & LEG PMEI/EcoFOCI	Ship Designation (I.D.)	STATION NO. NP-10
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### Rosette Notes:

VESSEL R/V McMurtry		CRUISE ID ME0873		PROJECT & LEG PMEL/EcoFOCI		Ship Designation (I.D.)						STATION NO.							
CONSC CAST #	LATITUDE		LONGITUDE		DAY	MO	YR	TIME (GMT)	DRY BULB	WET BULB	PRESSURE	SEA STATE	WIND DIRN	WIND SPD.	CLOUD (amt)	TYPE	BOTTOM DEPTH	STA. NAME/ID	
	DEG	MIN	DEG	MIN				(C)	(C)	(mb)	*	*	(deg)	(kts)	*	*	(m)		
SBE 9+																			
PRESS SN								FLUOR S/N											
PRI TEMP SN								SBE43-Oxy (prime)											
SEC TEMP SN								SBE63-Oxy (sec)											
PRI COND SN								Transmissometer											
SEC COND SN								PAR S/N											
								O2 Tmp Sensor No.											
NISL	DEPTH	ROSET	Hydro Team-PMEL						WEIGHT/ATTACH	OTHER									
No	DESIRED	NOTES	SALT	NUTS	02-BTL No	02 Temp	CHL	Frac CHL	018										
1	Bot	62		57															
2	50			58															
3	40			53															
4	30			54															
5	20			55															
6	10			56	1874	6.6													
7	0			57	1874														
8																			
9																			
10																			
11																			
12																			
13																			
14																			
15																			
16																			
17																			
18																			
19																			
20																			
21																			
22																			
23																			

Comments:

Rosette Notes:

9

VESSEL R/V Melville	CRUISE ID ME0823	PROJECT & LEG PMEL/EcoFOCI	Ship Designation (I.D.)										STATION NO.										
			TIME (GMT)										WIND		CLOUD (amt)		WEATHER		BOTTOM		STA. NAME/ID		
CONSC CAST #	LATITUDE		LONGITUDE		DEG	MIN	DAY	MO	YR	HR	MIN	(C)	(C)	(mb)	*	*	(deg)	(kts)	*	*	*	(m)	
	61	11	57	40	.74	N	169	30	.34	W	26	AUG	08	13	53	8.6	.	99	.	.	74	N P 08	
SBE 9+																							
PRESS SN																							
PR TEMP SN																							
SEC TEMP SN																							
PRI COND SN																							
SEC COND SN																							
NUT DEPTH	Roset.		Hydro Team-PMEL										Weingartner	Other								Nut No	
No DESIRED notes	SALT	NUTS	02-BIN	02 Temp	CHL	Frac CHL																	
1	BOT	C-24	58	240	116																		
2	50		59																				
3	40		60																				
4	30		61																				
5	20		62																				
6	10		63																				
7	0		64																				
8																							
9																							
10																							
11																							
12																							
13																							
14																							
15																							
16																							
17																							
18																							
19																							
20																							
21																							
22																							
23																							

Rosette Notes:

Comments:

REMARKS 52-S, ~0.05

1+5 structure in ~15 m above 32 m, top  
to bottom layer

Top layer ~15 m

VESSEL R/V McMurtry	CRUISE ID ME0823	PROJECT & LEG PME / FOFOC		Ship Designation (I.D.)		STATION NO.											
		CONSC CAST #	LATITUDE DEG MIN	LONGITUDE DEG MIN	DAY	MO	YR	TIME (GMT)	DRY BULB (*C)	WET BULB (*C)	PRESSURE (mb)	SEA STATE *	WIND DIRN. (deg)	WIND SPD. (kts)	CLOUD (amt) TYPE	BOTTOM DEPTH (m)	STA. NAME/ID
		01	25	7 54 .03 N	169	14 .5	9	26 A U G 0 8	1620	8.6	99	01133	7	N P 07			
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 Trim Sensor No.									
NIS	DEPTH	Reset.	Hydro Team+PMEL					Weingartner	Other					NIS			
No.	DESIRED notes:		SALT	NUTS	02-BTLNo	02 Temp	CHL.	Frac CHL.	018					No.			
1	Bot	61		65										1			
2	50			66										2			
3	40			67										3			
4	30			68										4			
5	20			69										5			
6	10			70										6			
7				71	153									7			
8														8			
9														9			
10														10			
11														11			
12														12			
13														13			
14														14			
15														15			
16														16			
17														17			
18														18			
19														19			
20														20			
21														21			
22														22			
23														23			

Comments:

Rosette Notes:

2006 = 067

VESSEL R/V Melville		CRUISE ID ME0823		PROJECT & LEG PMEL/EcoFOCI		Ship Designation (I.D.)		STATION NO. NPOC					
CONSC CAST #	LATITUDE	LONGITUDE	TIME (GMT)	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	DAY MO	YR HR MIN		*	*	*	*	*	*	*	
SBE 9+													
PRESS SN													
PRI TEMP SN													
SEC TEMP SN													
PRI COND SN													
SEC COND SN													
NIS DEPTH	Roset.	Hydro Team-PMEL	Weingartner	Other									NIS
NO DESIRED notes	SALT	NUTS	02-BL.No	02 Temp	CHL N	Frac CHL	018						NO
1 13.5	62	X-5	72	86	X 1.2								1
2 50		Z3											2
3 40		74											3
4 30		75											4
5 26		76											5
6 10		77											6
7 0		78											7
8													8
9													9
10													10
11													11
12													12
13													13
14													14
15													15
16													16
17													17
18													18
19													19
20													20
21													21
22													22
23													23

Comments:

Rosette Notes:

VESSEL R/V Nashville	CRUISE ID MED823	PROJECT & LEG PMEL/EcoFOCI	Ship Designation (I.D.)	STATION NO.
CONSC	CAST #	LATITUDE	LONGITUDE	TIME (GMT)
	DEG	MIN	DEG	MIN
			DAY	MO
			HR	YR
SBE 9+			MIN	
PRESS SN			(C)	(C)
PRI TEMP SN			(mb)	*
SEC TEMP SN			*	*
PRI COND SN			(deg)	(deg)
SEC COND SN			(kts)	*
NIS DEPTH	Roset	Hydro Team-PMEL	Wingpartner	Other
NO DESIRED	notes	SALT	NUTS ✓	02-BTL No
				02 Temp
				CHL ✓
				Frac CHL
1	BATT	E-11	79	018
2		FD		
3		G1		
4		G2		
5		G3		
6		G4		
7				
8				
9				
10				
11				
12				
13				
14				
15				
16				
17				
18				
19				
20				
21				
22				
23				

Comments:

Tally just removed from primary cond. line.  
after the cast.

Rosette Notes:

VESSEL R/V Memphis		CRUISE ID ME0823		PROJECT & LEG PMEL/ECCO/CI		Ship Designation (I.D.)		STATION NO. NP-04					
CONSC CAST #	LATITUDE DEG MIN	LONGITUDE DEG MIN	TIME (GMT) DAY MO YR HR MIN	DRY BULB ("C)	WET BULB ("C)	PRESSURE (mb)	SEA STATE VISIBILITY	WIND DIRN. (deg)	WIND SPD. (kts)	CLOUD (amt)	TYPE WEATHER	BOTTOM DEPTH (m)	STA. NAME/ID
0155	835.76 N	16826.10 W	26 AUG 08 23 12 7.0	23	23	1047	7348	238	60				
SBE 9+			FLUOR S/N										
PRESS SN			SBE43-Dby (prime)										
PRI TEMP SN			SBE43-Dby (sec)										
SEC TEMP SN			Transistorometer										
PRI COND SN			PAR S/N										
SEC COND SN			02 Temp Sensor No.										
NIS	DEPTH	Roset:	Hydro Team-PMEL										
No	DESIRED	notes	SALT	NUITS	02-BtlNo	02 Temp	CHL	Frac CHL	018	Weigatmet	Other		
1	B5T		217	86	468								
2	40			87									
3	30			88									
4	20			89									
5	10			90									
6	0			91									
7													
8													
9													
10													
11													
12													

Comments:

C17

Rosette Notes:

VESSEL R/V Mabille		CRUISE ID ME0823		PROJECT & LEG PME/EDFOCI		Ship Designation (ID.)						STATION NO.			
CONSC CAST #	LATITUDE DEG MIN	LONGITUDE DEG MIN	DAY	MO	YR	TIME (GMT) DRY BULB (*C)	WET BULB (*C)	PRESSURE (mb)	SEA STATE *	WIND DIRN. (deg)	WIND SPD. (kts)	CLOUD (amt) TYPE	BOTTOM DEPTH (m)	STA. NAME/ID	
0	16 58	42 . 61	N	16 81	17 . 35	W	27 AUG 08	0028	6 . 9	.	0147	0062	48	51	NP-3A
SBE 9+							FLUOR S/N								
PRESS SN							SBE43-Dry (prime)								
PRI TEMP SN							SBE43-Dry (sec)								
SEC TEMP SN							Transmissometer								
PRI COND SN							PAR S/N								
SEC COND SN							02 Tint Sensor No.								
NIS	DEPTH	ROSET.	Hydro Team+PME						Wengether	Other					
No	DESIRED notes		SALT	NUTS	02-Btl.No	02 Temp	CHL.	Frac CHL.	018						NIS
1	8														No
2	40						92								1
3	30						93								2
4	20						94								3
5	10						95								4
6	0						96								5
7							97	x72							6
8															7
9															8
10															9
11															10
12															11
13															12
14															
15															
16															
17															
18															
19															
20															
21															
22															
23															

Comments:

Rosette Notes:

VESSEL R/V Melville		CRUISE ID ME0823		PROJECT & LEG PMEL/EcoFOCI				Ship Designation (I.D.)				STATION NO.	
CONSC CAST #	LATITUDE DEG MIN	LONGITUDE DEG MIN	TIME (GMT) DAY MO YR HR MIN	DRY BULB (*C)	WET BULB (*C)	PRESSURE (mb)	SEA STATE DIRN. (deg)	WIND DIRN. (deg)	WIND SPD. (kts)	CLOUD (amt)	WEATHER TYPE	BOTTOM DEPTH (m)	STA. NAME/ID
SBE 9+													
PRESS SN													
PRY TEMP SN													
SEC TEMP SN													
PRY COND SN													
SEC COND SN													
NIS DEPTH	Roset.	hydro Team-PMEL	Weingartner	Other									
No.	DESIRED notes	SALT	NUTS	02-BuNo	02 Temp	CHL	Frac CHL	018					NIS
1	71	23	98	175									No.
2	30		99										
3	20		100										
4	10		101										
5	8		102										
6													
7													
8													
9													
10													
11													
12													
13													
14													
15													
16													
17													
18													
19													
20													
21													
22													
23													

Rosette Notes:

Comments:

NP-03

VESSEL R/V Melville	CRUISE ID ME0823	PROJECT & LEG PMEL/EcoFOCI		Ship Designation (I.D.)		STATION NO.									
		CONSC CAST #	LATITUDE DEG MIN	LONGITUDE DEG MIN	TIME (GMT) DAY MO YR HR MIN	DRY BULB (°C)	WET BULB (°C)	PRESSURE (mb)	SEA STATE * * * * *	WIND DIRN. (deg)	WIND SPD. (kts)	CLOUD (amt) TYPE	WEATHER	BOTTOM DEPTH (m)	STA. NAME/ID
		018	58 58.37 N	16 80 1.67 W	27 AUG 08 03 01	6.7	6.7	1019.8	10	247	358	198	42		NP-2A
SBE 9+					FLUOR S/N										
PRESS SN					SBE43-Oxy (prime)										
PRI TEMP SN					SBE43-Oxy (sec)										
SEC TEMP SN					Transmissometer										
PRI COND SN					PAR S/N										
SEC COND SN					02 Temp Sensor No.										
NIS	DEPTH	Roset:	Hydro Team-PMEL				Weingartner	Other							NIS
NO.	DESIRED	notes	SALT	NUTS	02-BNL No	02 Temp	CHL	Frac CHL	018						No.
1	37				103										1
2	30				104										2
3	20				105										3
4	10				106										4
5	0				107	217									5
6															6
7															7
8															8
9															9
10															10
11															11
12															12

Comments:

Rosette Notes:

217

VESSEL R/V Methilie		CRUISE ID ME0823		PROJECT & LEG PMEL/FegFOCI		Ship Designation (I.D.)							STATION NO. MP-02		
CONSC CAST #	LATITUDE	LONGITUDE				TIME (GMT)	DRY BULB	WET BULB	PRESSURE	SEA STATE	WIND	WIND	CLOUD (amt)	BOTTOM	STA. NAME/ID
	DEG MIN	DEG MIN	DAY	MO	YR	HR MIN	(°C)	(°C)	(mb)	*	*	DIRN.	SPD. (kts)	TYPE	WEATHER
01	95° 02'	96° 16' N	75° 6' S	18	JUL	08 04 24	6.8	6.8	1010.4	4	7	7354	198	41	
SBE 9+															
PRESS SN															
PRI TEMP SN															
SEC TEMP SN															
PRI COND SN															
SEC COND SN															
NIS DEPTH	Roset.	Hydro Team+PMEL					Weingartner	Other							NIS
No. DESIRED notes		SALT	NUTS	02-Btl.No	02 Temp	CHL.	Frac CHL.	018							No.
1 36		6.4	108	X146											1
2 30			109												2
3 20			110												3
4 10			111												4
5 0			112												5
6															6
7															7
8															8
9															9
10															10
11															11
12															12
13															
14															
15															
16															
17															
18															
19															
20															
21															
22															
23															

Comments:

Rosette Notes:

VESSEL R/V Melville		CRUISE ID ME0823		PROJECT & LEG PMEL/EcoFOCI		Ship Designation (I.D.)							STATION NO. N P - 01									
CONSC CAST #		LATITUDE		LONGITUDE		TIME (GMT)			DRY BULB		WET BULB		PRESSURE		SEA STATE		WIND DIRN	WIND SPD.	CLOUD (amt)	WIND TYPE	BOTTOM DEPTH	STA. NAME/ID
		DEG	MIN	DEG	MIN	DAY	MO	YR	HR	MIN	(°C)	(°C)	(mb)	*	*	(deg)	(kts)	*	*	(m)		
0	205910.22	N	1644.97	W	27	AUG	08	06	41	6.9	.	.	03338359	177	40	NP01						
SBE 9+																						
PRESS SN																						
PRI TEMP SN																						
SEC TEMP SN																						
PRI COND SN																						
SEC COND SN																						
Ns	DEPTH	ROSET																				
No	DESIRED	notes	SALT	NUTS	02-Btl No	02 Temp	CHL	Frac CHL														
1	35					113	X 216															
2	20					114																
3	10					115																
4	0					116																
5																						
6																						
7																						
8																						
9																						
10																						
11																						
12																						
13																						
14																						
15																						
16																						
17																						
18																						
19																						
20																						
21																						
22																						
23																						

Comments:

Rosette Notes:

VESSEL R/V Mohave		CRUISE ID ME0823		PROJECT & LEG PMEL/EcoFOCI		Ship Designation (I.D.)		STATION NO.			
CONSC CAST #	LATITUDE DEG MIN	LONGITUDE DEG MIN	TIME (GMT) DAY MO YR HR MIN	DRY BULB ("C)	WET BULB ("C)	PRESSURE (mb)	SEA STATE * * DIRN. (deg)	WIND SPD. (kts)	CLOUD (amt) TYPE WEATHER	BOTTOM DEPTH (m)	STA. NAME/ID
SBE 9+											
PRESS SN											
PRI TEMP SN											
SEC TEMP SN											
PRI COND SN											
SEC COND SN											
NIS DEPTH	Roset.	Hydro Team-PMEL						Weather	Other	NIS	
No	DESIRED notes	SALT	NUTS	02-Btl.No	02 Temp	CHL.	Frac CHL.	018		No	
1	BOT 23	X	117	X	119	X	8.0	✓	M4		1
3	2 10		118						M5		2
5	2 0		119						M6		3
7	4										4
9	5										5
11	8										6
13	2										7
15	6										8
17	8										9
19	10										10
21	21										11
23	22										12

Comments:

Rosette Notes:

VESSEL R/V McMurtry		CRUISE ID ME0823		PROJECT & LEG PMEL /GofFOC		Ship Designation (I.D.)						STATION NO.										
CONSC CAST #	LATITUDE	DEG	MIN	DEG	MIN	DAY	MO	YR	HR	MIN	TIME (GMT)	DRY BULB (°C)	WET BULB (°C)	PRESSURE (mb)	* SEA STATE	WIND DIRN. (deg)	WIND SPD. (kts)	CLOUD (amt)	WEATHER	BOTTOM DEPTH (m)	STA. NAME/ID	
022 59 54 .02 N	168 36 .14 W	27	AUG	08	14	10	5.9	.	07	350	16	42	1020	5	160	10	Partly	42	1020	N42		
SBE 9+				FLUOR S/N																		
PRESS SN				SBE43-Oxy (prime)																		
PRI TEMP SN				SBE43-Oxy (sec)																		
SEC TEMP SN				Transmissometer																		
PRI COND SN				PAR S/N																		
SEC COND SN				02 Tmp Sensor No.																		
No.	DEPTH	Roset.		Hydro Team+PMEL																		
No.	DESIRED	notes	SALT	NUTS	02-Btl.No	02 Temp	CHL.	Frac CHL.	018													No.
1	BOT		C 120	171	15.1			M7														1
2	20				121																	2
3	10				122																	3
4	0				123																	4
5																						5
6																						6
7																						7
8																						8
9																						9
10																						10
11																						11
12																						12
13																						
14																						
15																						
16																						
17																						
18																						
19																						
20																						
21																						
22																						
23																						

Comments:

Rosette Notes:

VESSEL R/V Melville		CRUISE ID ME0823		PROJECT & LEG PMEL/ECOFISH		Ship Designation (I.D.)						STATION NO.						
CAST #		LATITUDE		LONGITUDE		TIME (GMT)			DRY BULB	WET BULB	PRESSURE	SEA STATE	WIND DIRN.	WIND SPD.	CLOUD (amt)	BOTTOM DEPTH	STA. NAME/ID	
	DEG	MIN		DEG	MIN	DAY	MO	YR	(°C)	(°C)	(mb)	*	*	(deg)	(kts)	*	*	(m)
1	23	59	54.03	N	169	12.16	W	27	AUG 08	6.4	981	35	904	47	MN03			
SBE 9+																		
PRESS SN																		
PRI TEMP SN																		
SEC TEMP SN																		
PRI COND SN																		
SEC COND SN																		
NIS DEPTH	Roset.	Hydro Team-PMEL						Weingartner	Other								NIS	
No.	DESIRED notes	SALT	NUTS	02-Btl No	02 Temp	CHL.	Frac CHL.	018									No.	
1	B01			124	19	159		M10									1	
2	30			125													2	
3	20			126													3	
4	10			127				M11									4	
5	0			128				M12									5	
6																	6	
7																	7	
8																	8	
9																	9	
10																	10	
11																	11	
12																	12	

Comments:

Rosette Notes:

VESSEL R/V Melville		CRUISE ID ME0823		PROJECT & LEG PMEL/EcoFOCI		Ship Designation (I.D.)						STATION NO.					
CONSC CAST #	LATITUDE		LONGITUDE		TIME (GMT)		DRY BULB	WET BULB	PRESSURE	SEA STATE	WIND	WIND	CLOUD	BOTTOM	STA. NAME/ID		
	DEG	MIN	DEG	MIN	DAY	MO	HR	(°C)	(°C)	(mb)	*	*	(deg)	(kts)	*	(m)	
02	45	53	169	48	09	W	27	AUG 08	1826	7.4	.	08	0190	/	54		
SBE 9+			FLUOR S/N														
PRESS SN			SBE43-Oxy (prime)														
PRI TEMP SN			SBE43-Oxy (sec)														
SEC TEMP SN			Transmissometer														
PRI COND SN			PAT S/N														
SEC COND SN			O2 Temp Sensor No.														
NIS DEPTH	Roset.	Hydro Team-PMEL						Weingartner		Other						NIS	
No	DESIRED notes	SALT	NUTS	02-Btl No	02 Temp	CHL.	Frac CHL.	018								No	
1	H7	116	129	X/87	0.8	✓			X/13							1	
2	40		130													2	
3	30		131													3	
4	20		132													4	
5	10		133													5	
6	0		134													6	
7																7	
8																8	
9																9	
10																10	
11																11	
12																12	

Comments:

Rosette Notes:

VESSEL R/V Melville		CRUISE ID ME0823		PROJECT & LEG PMEL/EcoFOCI		Ship Designation (I.D.)				STATION NO. Mh-5								
CONSC CAST #	LATITUDE		LONGITUDE		TIME (GMT)		DRY BULB	WET BULB	PRESSURE	SEA STATE	WIND DIRN.	WIND SPD.	CLOUD (amt)	WEATHER	BOTTOM DEPTH	STA. NAME/ID		
	DEG	MIN	DEG	MIN	DAY	MO	YR	HR	MIN	(°C)	(°C)	(mb)	*	*	(deg)	(kts)	*	*
825595	41	N	17024.3	8W	27	AUG	08	20	49	7.7	7.7	10838	186	104	62			
SBE 9+			FLUOR S/N															
PRESS SN			SBE43-Dry (prime)															
PRI TEMP SN			SBE43-Dry (sec)															
SEC TEMP SN			Transmissometer															
PRI COND SN			PAR S/N															
SEC COND SN			02 Tmp Sensor No.															
Nst DEPTH	Roset.		Hydro Team-PMEL		Weingartner		Other											
No DESIRED notes	SALT	NUTS	02-BR1, No	02 Temp	CHL.	Frac CHL.	R 018									No		
1 55				135													1	
2 50				136													2	
3 40				137													3	
4 30				138													4	
5 20				139													5	
6 10				140													6	
7 0				141	207												7	
8																	8	
9																	9	
10																	10	
11																	11	
12																	12	

Comments:

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Rosette Notes:

VESSEL R/V Melville		CRUISE ID ME0823		PROJECT & LEG PME/ECOFOCI		Ship Designation (I.D.)						STATION NO. MN-06										
CONSC CAST #	LATITUDE	DEG	MIN	DEG	MIN	DAY	MO	YR	HHR	MIN	TIME (GMT)	DRY BULB (*C)	WET BULB (*C)	PRESSURE (mb)	SEA STATE *	WIND DIRN. (deg)	WIND SPD. (kts)	CLOUD (amt)	WIND TYPE	BOTTOM DEPTH	STA. NAME/ID	
SBE 9+												82.5%										
PRESS SN												FLUOR S/N										
PRI TEMP SN												SBE43-Dry (prime)										
SEC TEMP SN												SBE43-Oxy (sec)										
PRI COND SN												Transmissometer										
SEC COND SN												PAR S/N										
NIS DEPTH Roset.												O2 Temp Sensor No.										
No DESIRED notes																						
1 80T																						
2 50												422 142 *97										
3 40												143										
4 30												144										
5 20												145										
6 10												146										
7 0												147										
8												148										
9																						
10																						
11																						
12																						

Comments:

Rosette Notes:

VESSEL  
R/V Menville  
CRUISE ID  
MFO823  
PROJECT & LEG  
PMEL/COFOC  
Ship Designation (I.D.)  
STATION NO. MN-07

CONSC CAST #	LATITUDE		LONGITUDE		TIME (GMT)		DRY BULB (°C)	WET BULB (°C)	PRESSURE (mb)	SEA STATE * * (deg)	WIND DIRN. (deg)	WIND SPD. (kts)	CLOUD (amt) TYPE	WEATHER	BOTTOM DEPTH (m)	STA. NAME/ID	
	DEG MIN	DEG MIN	DAY	MO	YR	HR											
SBE 9+																	
PRESS SN																	
PRI TEMP SN																	
SEC TEMP SN																	
PRI COND SN																	
SEC COND SN																	
NIS DEPTH	Roset.	Hydro Team-Pmel						Weighted	Other								NIS
No	DESIRED notes	SALT	NUTS	02-Btl.No	02 Temp	CHL.	Frac CHL.	018									No
1	164				149			M19									1
2	SD				150												2
3	48				151												3
4	30				152												4
5	20				153												5
6	10				154			m26									6
7	0				155	x92		m21									7
8																	8
9																	9
10																	10
11																	11
12																	12

Comments:

Rosette Notes:

VESSEL R/V Melville		CRUISE ID ME0823		PROJECT & LEG PMEL/EGOFOCI		Ship Designation (I.D.)		STATION NO. M A - 08								
CONSC CAST #	LATITUDE DEG MIN	LONGITUDE DEG MIN	DAY	MO	YR	TIME (GMT) ("C)	DRY BULB ("C)	WET BULB ("C)	PRESSURE (mb)	SEA STATE	WIND DIRN. deg	WIND SPO.	CLOUD (amt)	WEATHER	BOTTOM DEPTH (m)	STA. NAME/ID
02	85° 53'.90 N	172° 12'.03 W	28	AUG	08	0305	9.5	9.2	1019	3828	0935	0	*	*	73	
SBE 9+						FLUOR S/N										MAX. DEPTH = 68 m
PRESS SN						SBE43-Oxy (prime)										
PRI TEMP SN						SBE43-Oxy (sec)										
SEC TEMP SN						Transmissometer										
PRI COND SN						PAT S/N										
SEC COND SN						O2 Temp Sensor No.										
NIS DEPTH	Roset.	Hydro Team-PMEL				Weingartner	Other									NIS
No	DESIR ED notes	SALT	NUTS	O2-Btl.No	O2 Temp	CHL.	Frac CHL	018								No
1	68	63	156	*117												1
2	50		157													2
3	40		158													3
4	30		159													4
5	20		160													5
6	10		161													6
7	0		162													7
8																8
9																9
10																10
11																11
12																12

Comments:

Rosette Notes:

VESSEL R/V Mayville		CRUISE ID ME0823		PROJECT & LEG PMEL/ECCO/CI		Ship Designation (I.D.)						STATION NO.			
CONSC CAST #	LATITUDE	LONGITUDE				TIME (GMT)	DRY BULB	WET BULB	PRESSURE	SEA STATE	WIND	WIND	CLOUD (amt)	BOTTOM	STA. NAME/ID
	DEG MIN	DEG MIN	DAY	MO	YR	HR MIN	(°C)	(°C)	(mb)	*	DIRN.	SPD.	TYPE	DEPTH	
SBE 9+															
PRESS SN															
PRI TEMP SN															
SEC TEMP SN															
PRI COND SN															
SEC COND SN															
NIS DEPTH	Roset.	Hydro Team-PMEL						Weingartner	Other						NIS
No.	DESIRED notes	SALT	NUTS	02-Btl.No	02 Temp	CHL.	Frac CHL.	018							No.
1	71		163			/									1
2	50		164			/									2
3	40		165			/									3
4	30		166			/									4
5	20		167			/									5
6	10		168			/									6
7	0		169	93		/									7
8															8
9															9
10															10
11															11
12															12

Comments:

Rosette Notes:

VESSEL  
R/V Melville

CRUISE ID  
ME0823

PROJECT & LEG  
PMEL/ECHOI

Ship Designation (I.D.)  
MMA - 10

STATION NO.

CONSC CAST #	LATITUDE		LONGITUDE		TIME (GMT)			DRY BULB	WET BULB	PRESSURE	SEA STATE	WIND DIRN.	WIND SPD.	CLOUD TYPE	BOTTOM DEPTH	STA. NAME/ID	
	DEG	MIN	DEG	MIN	DAY	MO	YR	HR	MIN	(°C)	(°C)	(mb)	*	(deg)	(kts)	*	(m)
0305953.89	N		17324.16	W	28	AUG	08	07	11	29.4	27.4	1010.5	8	105	8	89	
SBE 9+										FLUOR S/N							
PRESS SN										SBE43-Dry (prime)							
PRI TEMP SN										SBE43-Oxy (sec)							
SEC TEMP SN										Transmissometer							
PRI COND SN										PAR S/N							
SEC COND SN										02 Timp Sensor No.							
NIS	DEPTH	ROSET.	Hydro Team-PMEL						WEIGHTED	OTHER						NIS	
No.	DESIRED	NOTES	SALT	NUTS	02-BTL#	02 TEMP	CHL.	Frac CHL.	018							NO.	
1	79		69	170	x118											1	
2	50			171												2	
3	40			172												3	
4	30			173												4	
5	20			174												5	
6	10			175												6	
7	0			176												7	
8																8	
9																9	
10																10	
11																11	
12																12	

Comments:

Rosette Notes:

VESSEL R/V Melville		CRUISE ID ME0823		PROJECT & LEG PMEL/EcoFOCI		Ship Designation (I.D.)						STATION NO. MN-11							
CONSC CAST #	LATITUDE		LONGITUDE				TIME (GMT)		DRY BULB	WET BULB	PRESSURE	SEA STATE	WIND DIRN.	WIND SPD.	CLOUD (amt)	WEATHER	BOTTOM DEPTH	STA. NAME/ID	
	DEG	MIN	DEG	MIN	DAY	MO	YR	HR	(°C)	(°C)	(mb)	*	*	(deg)	(kts)	*	*	(m)	
0315	49	54	01	N	174	00	03	W	28	AUG 08	0908	9.6	7.3	093	19505	156	MN-11		
SBE 9+									FLUOR S/N										
PRESS SN									SBE43-Oxy (prime)										
PRI TEMP SN									SBE43-Dry (sec)										
SEC TEMP SN									Transmissometer										
PRI COND SN									PAR S/N										
SEC COND SN									O2 Tmp Sensor No.										
Nls DEPTH	Roset.		Hydro Team-PMEL				Weingartner		Other										
No DESIRED notes	SALT	NUTS	02-BTL No	02 Temp	CHL.	Frac CHL.	018											Nls	
1 BOT																		No	
2 75																		1	
3 50																		2	
4 46																		3	
5 30																		4	
6 20																		5	
7 10																		6	
8 0																		7	
9																		8	
10																		9	
11																		10	
12																		11	

Comments:

Rosette Notes:

VESSEL R/V Melville		CRUISE ID ME0823		PROJECT & LEG PMEL/EFOCI		Ship Designation (I.D.)						STATION NO. N N 11										
CONSC CAST #	DEPTH DEG	LATITUDE MIN		LONGITUDE MIN		DAY	MO	YR	HR	MIN	TIME (GMT)		DRY BULB (°C)	WET BULB (°C)	PRESSURE (mb)	SEA STATE * * *	WIND DIRN. (deg)	WIND SPD. (kts)	CLOUD (amt) TYPE	WEATHER	BOTTOM DEPTH (m)	STA. NAME/ID
		DEG	MIN	MIN	SEC						SEC	SEC										
1	63	25	95	41	.60	N	173	59	.87	W	18	AUG	08	07	42	9	.6	.09	20	5	11	
SBE 9+																						
PRESS SN																						
PRI TEMP SN																						
SEC TEMP SN																						
PRI COND SN																						
SEC COND SN																						
NIS DEPTH	Roset.		Hydro Team-PMEL						Weighted		Other		NIS		No.		MAX. DEPTH =		m			
No.	DESIRED notes	SALT	NUTS	02-BTL No	02 Temp	CHL.	Frac CHL.	018														
1	B6T			177	1219	109																
2	75			178																		
3	50			179																		
4	40			180																		
5	30			181																		
6	20			182																		
7	10			183																		
8	6			184																		
9																						
10																						
11																						
12																						

Comments:

Rosette Notes:

VESSEL R/V Melville		CRUISE ID ME0823		PROJECT & LEG PMEL/ECOCOCL		Ship Designation (I.D.)		STATION NO.										
CONSC CAST #	LATITUDE DEG MIN	LONGITUDE DEG MIN	DAY	MO	YR	HR	MIN	TIME (GMT)	DRY BULB (°C)	WET BULB (°C)	PRESSURE (mb)	SEA STATE *	WIND DIRN. (deg)	WIND SPD. (kt)	CLOUD (amt)	WEATHER TYPE	BOTTOM DEPTH (m)	STA. NAME/ID
03359541	17435.8	W 28 AUG 08	1225	9.7	.	08	14914	1225	14.9	14.9	1011	+	*	*	*	111	MN12	
SBE 9+		FLUOR S/N																
PRESS SN		SBE43-Oxy (prime)																
PRI TEMP SN		SBE43-Dry (sec)																
SEC TEMP SN		Transmissometer																
PRI COND SN		PAR S/N																
SEC COND SN		O2 Temp Sensor No.																
NIS DEPTH	Roset.	Hydro Team-PWEL						Weingartner										NIS
No DESIRED notes	SALT	NUTS	O2-Btl.No	O2 Temp	CHL.	Frac CHL.	018											No
1 BOT	166	6/5	185	463														1
2 75		186																2
3 50		1																3
4 30		2																4
5 20		3																5
6 10		4																6
7 0		5																7
8		6	143.9.8															8
9																		9
10																		10
11																		11
12																		12

Comments:

Rosette Notes:

VESSEL R/V Melville		CRUISE ID ME0823		PROJECT & LEG PMEL/EcoFOCI		Ship Designation (I.D.)						STATION NO.	
CONSC CAST #	LATITUDE DEG MIN	LONGITUDE DEG MIN	TIME (GMT) DAY MO YR HR MIN	DRY BULB (°C)	WET BULB (°C)	PRESSURE (mb)	SEA STATE * (deg)	WIND DIRN. (kts)	WIND SPD. (kt)	CLOUD (amt) TYPE	WEATHER	BOTTOM DEPTH (m)	STA. NAME/ID
4345954.04	N	17512.18w	28 AUG 08 143528.	19.106	14723							123	MN13
SBE 9+			FLUOR S/N										
PRESS SN			SBE43-Oxy (prime)										
PRI TEMP SN			SBE43-Oxy (sec)										
SEC TEMP SN			Transmissometer										
PRI COND SN			PAR S/N										
SEC COND SN			O2 Trim Sensor No.										
NIS DEPTH	Roset.	Hydro Team-PWEL	Weingartner										
No.	DESIRED notes	SALT	NUTS	O2-Btl.No	O2 Temp	CHL.	Frac CHL	018					NIS No.
1	80T 116		7	136									1
2	100		8										2
3	75		9										3
4	50		10										4
5	40		11										5
6	30	Seal 100 ✓	12										6
7	20		13										7
8	10		14										8
9	0		15										9
10													10
11													11
12													12

Comments:

Rosette Notes:

VESSEL R/V Melville	CRUISE ID MFO823	PROJECT & LEG PMEL/EFOC1		Ship Designation (I.D.)		STATION NO.										
		CAST #	LATITUDE DEG MIN	LONGITUDE DEG MIN	TIME (GMT) DAY MO YR HR MIN	DRY BULB (°C)	WET BULB (°C)	PRESSURE (mb)	SEA STATE +	WIND DIRN. TYPE	WIND SPD. (kts)	CLOUD (amt)	WEATHER	BOTTOM DEPTH (m)	STA. NAME/ID	
		035	59 54 .07 N	175 48 .61 W	28 AUG 08 1730	8.5	7.0	104	1	30	35	205	134	MN14		
SBE 9+					FILOR S/N										MAX. DEPTH =	m
PRESS SN					SBE43-Oxy (prime)											
PRI TEMP SN					SBE43-Oxy (sec)											
SEC TEMP SN					Transmissometer											
PRI COND SN					PAT S/N											
SEC COND SN					O2 Temp Sensor No.											
NIS DEPTH	Roset.	Hydro Team-PMEL			Weigertace				Other						NIS	
No.	DESIRED notes	SALT	NUTS	O2-Btl.No	O2 Temp	CHL.	Frac CHL	018							No	
1	KOT	121-	X	16	17										1	
2	100	-													2	
3	75	/													3	
4	50	/													4	
5	42	/													5	
6	30	/													6	
7	20	/													7	
8	10	/													8	
9	0	/													9	
10															10	
11															11	
12															12	

Comments:

Rosette Notes:

VESSEL R/V Melville		CRUISE ID MF0823		PROJECT & LEG PMEL/EcoFOCI		Ship Designation (I.D.)						STATION NO.										
CONSC CAST #	LATITUDE	DEG	MIN	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 TYPE (amt)	WEATHER	BOTTOM DEPTH (m)	STA. NAME/ID	
SBE 9+																						
PRESS SN																						
PRI TEMP SN																						
SEC TEMP SN																						
PRI COND SN																						
SEC COND SN																						
NIS DEPTH	Roset.	Hydro Team-Pmel																				
No.	DESIRED notes	SALT	NUTS	02-BTL No	02 Temp	CHL.	Frac CHL	018														NIS No.
1	125		25	*116																		1
2	100		26																			2
3	75		27																			3
4	55		28																			4
5	40		29																			5
6	30		30																			6
7	20		31																			7
8	10		32																			8
9	0		33																			9
10																						10
11																						11
12																						12

Comments:

Rosette Notes:

VESSEL R/V Melville	CRUISE ID ME0823	PROJECT & LEG PMEL/EcoFOCI	Ship Designation (I.D.)						STATION NO.								
			CONSC CAST #	DEG MIN	LATITUDE	DEG MIN	LONGITUDE	DAY MO YR	TIME (GMT)	DRY BULB ("C)	WET BULB ("C)	PRESSURE (mb)	SEA STATE	WIND DIRN. DEPTH	WIND SPO. TYPE	BOTTOM DEPTH	STA. NAME/ID
			0375954.16 N		17700.09 W	28 AUG 08	221309	90	18:22:13	28.9	28.1	1015.6	121248	135	16	MN	mn 16
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.								
NS DEPTH	Roset.	Hydro Team-PMEL	notes	SALT	NUTS	02-BuNo	02 Temp	CHL.	Frac CHL.	018	Weingartner	Other				NIS	
No.	DESIRED															No.	
1	125	621	34	x163												1	
2	100	35														2	
3	75	36														3	
4	55	37														4	
5	40	38														5	
6	30	39														6	
7	20	40														7	
8	10	41														8	
9	0	42														9	
10																10	
11																11	
12																12	

Comments:

Rosette Notes:

VESSEL R/V Melville		CRUISE ID ME0823		Ship Designation (I.D.)						STATION NO.									
CAST #		LATITUDE		LONGITUDE		TIME (GMT)			DRY BULB	WET BULB	PRESSURE	SEA STATE	WIND DIRN	WIND SPD.	CLOUD (amt)	WEATHER	BOTTOM DEPTH	STA. NAME/D	
	DEG	MIN		DEG	MIN	DAY	MO	YR	HR	MIN	(°C)	(°C)	(mb)	*	*	(deg)	(kts)	*	(m)
038	59	54	10	21	N	17	13	6.	16	W	29	AUG 08	00	16	9.5	.	0144	116	198
SBE 9+																			
PRESS SN																			
PRI TEMP SN																			
SEC TEMP SN																			
PRI COND SN																			
SEC COND SN																			
NIS	DEPTH	Roset.		Hydro Team-PMEL						Wengenauer	Other		Nis		No		MAX. DEPTH = 127 m		
No	DESIRED notes	SALT	NUTS	02-BTL No	02 Temp	CHL.	Frac CHL.	018											
1	125		43															1	
2	100		44															2	
3	75		45															3	
4	50		46															4	
5	40		47															5	
6	30		48															6	
7	20		49															7	
8	10		50															8	
9	0		51	239	/													9	
10																		10	
11																		11	
12																		12	

Comments:

Rosette Notes:

VESSEL R/V Melville		CRUISE ID ME0823		PROJECT & LEG PMEL/EcoFOCI		Ship Designation (I.D.)		STATION NO. MN-18						
CONSC CAST #	LATITUDE		LONGITUDE		TIME (GMT)		DRY BULB (°C)	WET BULB (°C)	PRESSURE (mb)	SEA STATE DIRN. * (deg)	WIND SPD. (kts)	WIND CLOUD (amt) TYPE WEATHER	BOTTOM DEPTH (m)	STA. NAME/ID
DEG MIN	DEG MIN	DAY	MO	HR	MIN				*	*	*	*	*	
039 59 54	111 N	17 81	1.92 W	24	9 A U G 0 8	0306	9.9	9.8	10043	112	128		143	
SBE 9+		FLUOR S/N												MAX. DEPTH =
PRESS SN		SBE43-Oxy (prime)												m
PRI TEMP SN		SBE43-Oxy (sec)												
SEC TEMP SN		Thermistorometer												
PRI COND SN		PAR S/N												
SEC COND SN		02 Tmp Sensor No.												
Ns DEPTH	Roset.	Hydro Team-PMEL				Weingartner	Other							Ns
No	DESIRED notes	SALT	NUTS	O2-BRI No	O2 Temp	CHL.	Frac CHL.	018						No.
1	135	C2	52	222										1
2	100		53											2
3	75		54											3
4	50		55											4
5	40		56											5
6	30		57											6
7	20		58											7
8	10		59											8
9	0		60											9
10														10
11														11
12														12

Comments:

Rosette Notes:

VESSEL R/V Melville		CRUISE ID ME0823		PROJECT & LEG PMEL/ECOFOCL		Ship Designation (I.D.)						STATION NO.		STATION NO.			
CONSC CAST #	LATITUDE		LONGITUDE		TIME (GMT)			DRY BULB	WET BULB	PRESSURE	SEA STATE	WIND DIRN.	WIND SPD.	CLOUD (amt)	WEATHER	BOTTOM DEPTH	STA. NAME/ID
	DEG	MIN	DEG	MIN	DAY	MO	YR	(°C)	(°C)	(mb)	*	(deg)	(kts)	*	*	(m)	
04	D	59	53	.88	N	17	9	06	.09	W	29	A	UG	08	66	44	9.9
SBE 9+																	
PRESS SN																	
PRI TEMP SN																	
SEC TEMP SN																	
PRI COND SN																	
SEC COND SN																	
NIS DEPTH	Roset.		Hydro Team-PMEL						Weinberger	Other							
No.	DESIRED	notes	SALT	NUITS	02-BRL No	02 Temp	CHL.	Frac CHL.	018								
1	1500					61	176										
2	1000					62	174										
3	750					63	181										
4	500					64	202										
5	250					65	193										
6	150					66	179										
7	50					67	190	/									
8	40					68		✓									
9	30					69		/									
10	20					70		✓									
11	10					71		✓									
12	0					72		✓									

Comments:

Rosette Notes:

VESSEL R/V Melville		CRUISE ID ME0823		PROJECT & LEG PMEL/ECOFOCL		Ship Designation (I.D.)						STATION NO.						
CONSC CAST #	LATITUDE DEG MIN	LONGITUDE DEG MIN	DAY	MO	YR	HR	MIN	TIME (GMT)	DRY BULB (°C)	WET BULB (°C)	PRESSURE (mb)	SEA STATE DIRN.	WIND DIRN.	WIND SPD. (kts)	CLOUD TYPE	WEATHER	BOTTOM DEPTH (m)	STA. NAME/ID
SBE 9+																		
PRESS SN																		
PRI TEMP SN																		
SEC TEMP SN																		
PRI COND SN																		
SEC COND SN																		
NIS DEPTH Roset.	Hydro Team-PWEL								Weingartner									
No DESIRED notes	SALT	NUTS	02-Btl.No	02 Temp	CHL.	Frac CHL.	018											NIS No
1 42T 472 -	7	73	X195	3.6														1
2 400 -	X	74	X197	3.7														2
3 300 -	*	75	X133	3.6														3
4 150 -		76																4
5 100 -		77																5
6 75 -		78																6
7 50 -		79																7
8 40 -		80																8
9 30 -		81																9
10 20 -		82																10
11 10 -		83																11
12 0 -		84																12

Comments:

08 - them  
one of #1  
prob

REMARKS

Inlet back onto slope (east-northeast) 0119

Rosette Notes:

VESSEL R/V Melville		CRUISE ID ME0823	PROJECT & LEG PMEL/EcoFOCI		Ship Designation (I.D.)		STATION NO.					
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	BOTTOM DEPTH (m)	STA. NAME/ID
	DEG MIN	DEG MIN	DAY MO YR HR MIN	(°C)	(°C)	(mb)	*	*	*	*	*	
Φ 42 6 2	11 1 . 98 N	17 55 6 . 51 W	30 AUG 08 01 27	18.4	18.1	1055	6	6	6	9248	91	
SBE 9+			FLUOR S/N									
PRESS SN			SBE43-Oxy (prime)									
PRI TEMP SN			SBE43-Oxy (sec)									
SEC TEMP SN			Transmissometer									
PRI CTD SN			PAR SN									
SEC CTD SN			02 Temp Sensor No.									
NIS DEPTH	Roset:	Hydro Team-PMEI	Weingartner	Other								
No.	DESIRED notes	SALT	NUTS	O2-Btl.No	O2 Temp	CHL.	Frac CHL.	01B				
1	81		85									1
2	60		86									2
3	50		87									3
4	70		88									4
5	20		89									5
6	20		90									6
7	16		91									7
8	0		92									8
9												9
10												10
11												11
12												12

Comments:

Rosette Notes:

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VESSEL R/V Melville		CRUISE ID ME0823		PROJECT & LEG PMEI/EcoFOCI		Ship Designation (I.D.)						STATION NO. SL 15							
CONSC CAST #	LATITUDE	DEG	MIN	DEG	MIN	DAY	MO	YR	HR	MIN	TIME (GMT)	DRY BULB (°C)	WET BULB (°C)	PRESSURE (mb)	SEA STATE DIRN. (deg)	WIND SPPD (kts)	WIND CLOUD TYPE (amt)	BOTTOM WEATHER	STA. NAME/ID DEPTH (m)
043	62	11	.98	N	175	33	.06	W	30	AUG 08	0300	18.6	18.5	1054	080	208	87		
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-PMEI						Weingartner	Other										
No DESIRED notes		SALT	NUTS	02-BTL No	02 Temp	CHL.	Frac CHL.	018											
1 75		814	93	178															1
2 65		94																	2
3 50		95																	3
4 40		96																	4
5 30		97																	5
6 20		98																	6
7 10		99																	7
8 0		100																	8
9																			9
10																			10
11																			11
12																			12

Rosette Notes:

C 14

Comments:

VESSEL R/V Melville		CRUISE ID MO823		PROJECT & LEG PMEL/EcoFOCI		Ship Designation (I.D.)		STATION NO. SL 14						
CONSC CAST #	LATITUDE DEG MIN	LONGITUDE DEG MIN	DAY	MO	YR	TIME (GMT) HR MIN	DRY BULB °C	WET BULB °C	PRESSURE (mb)	SEA STATE DIRN.	WIND SPD. TYPE	CLOUD (amt)	BOTTOM DEPTH	STA. NAME/ID
0446212.03	N	17509.22W	30	AUG	08	0457	18.5	18.1	1054	3075	238	80	80	M 8 W
SBE 9+		FLUOR S/N												
PRESS SN		SBE43-Oxy (prime)												
SPRI 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												
No. DESIRED notes	SALT	NUTS	O2-Btl No	O2 Temp	CHL.	Frac CHL.	018	Weingartner	Other					
1 69		101												No. 1
2 50		102												2
3 40		103												3
4 30		104												4
5 20		105												5
6 10		106												6
7 0		107	211											7
8														8
9														9
10														10
11														11
12														12

Comments:  
2-11

Rosette Notes:

VESSEL R/V Melville		CRUISE ID ME0823		PROJECT & LEG PMEL/EcoFOCI		Ship Designation (I.D.)		STATION NO.		
CONSC CAST #	LATITUDE DEG MIN	LONGITUDE DEG MIN	TIME (GMT) DAY MO YR HR MIN	DRY BULB ("C) (mb)	WET BULB ("C)	PRESSURE SEA STATE VISIBILITY	WIND DIRN. SPD. (kts)	WIND TYPE WEATHER	BOTTOM DEPTH (m)	STA. NAME/ID
045	62°12'02"N	174°36'.81W	08 AUG 08 0649	18.5	8.2	0554066228			74	
SBE 9+			FLUOR S/N							
PRESS SN			SBE43-Oxy (prime)							
PRI TEMP SN			SBE43-Oxy (sec)							
SEC TEMP SN			Transmissometer							
PRI COND SN			PAR S/N							
SEC COND SN			02 Tmp Senson No.							
NIS	DEPTH	Roset:	Hydro Team-PMEL	Weingartner	Other					NIS
No	DESIRED	notes	SALT	NUTS	02-BTLNO	02 Temp	CHL	Frac CHL	018	No
1	64		20	108	150					1
2	50			109		1				2
3	40			110		1				3
4	36			111		1				4
5	20			112						5
6	10			113						6
7	0			114		1				7
8										8
9										9
10										10
11										11
12										12

Comments:

Rosette Notes.

VESSEL R/V Melville		CRUISE ID ME0823		PROJECT & LEG PMEL/EcoFOCI		Ship Designation (I.D.)						STATION NO. SL 11- N 48° E					
CONSC CAST #		LATITUDE		LONGITUDE		TIME (GMT)			DRY BULB	WET BULB	PRESSURE	WIND DIRN	WIND SPD.	CLOUD (amt)	BOTTOM DEPTH	STA. NAME/ID	
		DEG	MIN	DEG	MIN	DAY	MO	YR	(°C)	(°C)	(mb)	*	*	(deg)	(kts)	*	(m)
0	4	6	6	2	1	1	9	6	N	17	4	18	.	14	W	3	AUG 08 0805
SBE 9+																	
PRESS SN																	
PRI TEMP SN																	
SEC TEMP SN																	
PRI COND SN																	
SEC COND SN																	
NIS	DEPTH	Reset		Hydro Team-PMEL			Weingartner			Other						NIS	
No.	DESIRED	notes		SALT	NUTS	02-BBL No	02 Temp	CHL	Frac CHL	018						No.	
1	Bot	62			115	4880	-1.1										1
2	50	/			116												2
3	40	/			117												3
4	30	/			118												4
5	20	/			119												5
6	10	/			120												6
7	0	/			121												7
8																	8
9																	9
10																	10
11																	11
12																	12

Comments:

Rosette Notes:

VESSEL R/V Melville		CRUISE ID ME0823		PROJECT & LEG PMEL/EcoFOCI		Ship Designation (I.D.)		STATION NO. S L 112				
CONSC CAST #	LATITUDE DEG MIN	LONGITUDE DEG MIN	TIME (GMT) DAY MO YR HR MIN	DRY BULB ("C)	WET BULB ("C)	PRESSURE (mb)	SEA STATE VISIBILITY	WIND DIRN (deg)	WIND SPD. (kts)	CLOUD TYPE (amt)	BOTTOM DEPTH (m)	STA. NAME/ID.
SBE 9+												
PRESS SN												
PRI TEMP SN												
SEC TEMP SN												
PRI COND SN												
SEC COND SN												
NISL DEPTH	Roset	Hydro Team-PMEL	Wingartner	Other								
No DESIRED notes	SALT	NUTS	02-BH No	02 Temp	CHL.	Frac CHL	018					
1. Bot 50	59.1 -	2.1 122										1
2. 40	1	123			/							2
3. 30	✓	124			/							3
4. 20	✓	125			/							4
5. 10	✓	126			/							5
6. 0	✓	127			/							6
7. 8	✓	128	0.69	✓								7
8. 9												8
9. 10												9
10. 11												10
11. 12												11
12.												12

Comments:

Rosette Notes:

Wengen  
S. & Sample

VESSEL R/V Mahville		CRUISE ID ME0823		PROJECT & LEG PMEL/EcoFOCI		Ship Designation (I.D.) 8M						STATION NO. 047			
CONSC CAST #	LATITUDE DEG MIN	LONGITUDE DEG MIN	DAY	MO	YR	TIME (GMT) HR MIN	DRY BULB ("C)	WET BULB ("C)	PRESSURE (mb)	SEA STATE VISIBILITY	WIND DIRN. SPD.	WIND CLOUD (amt)	CLOUD TYPE	BOTTOM DEPTH	STA. NAME/ID
SBE 9+															
PRESS SN															
PRI TEMP SN															
SEC TEMP SN															
PRI COND SN															
SEC COND SN															
NISL DEPTH	Roset.	Hydro Team-PMEL						Weingartner	Other						NISL NO
No.	DESIRED notes	SALT	NUTS	02-BBL No	02 Temp	CHL.	Frac CHL	018							
1	Bot 49.4		135	105	-1.1			✓M25							1
2	40	/	136												2
3	30	/	137												3
4	20	/	138												4
5	10	/	139					M26							5
6	0	/	140					M27							6
7															7
8															8
9															9
10															10
11															11
12															12

Comments:

Rosette Notes:

VESSEL R/V Melville		CRUISE ID ME0823		PROJECT & LEG PMEL/EfopfocI		Ship Designation (I.D.) 8M		STATION NO. Φ48													
CONSC CAST #	LATITUDE	DEG	MIN	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)	TYPE WEATHER	BOTTOM DEPTH (m)	STA. NAME/ID
45 46 15 91.85 N		17	1	54	.89	W	3	Φ	A	U	G 0 8	16.43	18.4	1041.3	+	*	(deg)	*	*	(m)	
SBE 9+											FLUOR S/N										
PRESS SN											SBE43-Oxy (prime)										
PRI TEMP SN											SBE43-Oxy (sec)										
SEC TEMP SN											Transmissometer										
PRI COND SN											PAR S/N										
SEC COND SN											O2 Tmp Sensor No.										
NIS DEPTH	Roset.	Hydro Team-PMEL						Weingartner	Other											NIS No.	
No.	DESIRED notes	SALT	NUTS	02-BU.No	02 Temp	CHL.	Frac CHL.	018													
1	ROT	48	—	67	141	182		728												1	
2		40	—		142															2	
3		30	—		143															3	
4		20	—		144															4	
5		10	—		145			129												5	
6		8	—		146			M30												6	
7																				7	
8																				8	
9																				9	
10																				10	
11																				11	
12																				12	

Comments:

Rosette Notes:

VESSEL R/V Melville		CRUISE ID ME0823		PROJECT & LEG PME/EGFOCI		Ship Designation (I.D.)						STATION NO. Φ49							
CONSC CAST #	LATITUDE		LONGITUDE		DAY	MO	YR	TIME (GMT)	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	HR	MIN				*	*	*	*	*	*	*	*			
0516156	94 N	17113	62 W	30	AUG	08	2032	18.5	18.4	10535	130	138	50	50	50	50	50	A	
SBE 9+								FLUOR S/N											
PRESS SN								SBE43-Oxy (prime)											
PRI TEMP SN								SBE43-Oxy (sec)											
SEC TEMP SN								Transmissometer											
PRI COND SN								PARK S/N											
SEC COND SN								O2 Temp Sonson No.											
Ns	DEPTH	Roset.		Hydro Team-PHEL				Wet/partic		Other								Ns	
No.	DESIRED notes	SALT	NUTS	02-Btl.No	02 Temp	CHL.	Frac CHL	018										No.	
1	45		147					131										1	
2	30		148															2	
3	20		149															3	
4	10		150					M32										4	
5			151	64				M33										5	
6																		6	
7																		7	
8																		8	
9																		9	
10																		10	
11																		11	
12																		12	

Comments:

Rosette Notes:

VESSEL R/V Melville		CRUISE ID ME0823	PROJECT & LEG PMEL/EcofOCL		Ship Designation (I.D.)						STATION NO.			
CONSC CAST #	LATITUDE		LONGITUDE		TIME (GMT)	DRY BULB (°C)	WET BULB (°C)	PRESSURE (mb)	SEA STATE	WIND DIRN. (deg)	WIND SPD. (kts)	CLOUD (amt)	BOTTOM DEPTH (m)	STA. NAME/ID
DEG	MIN	DEG	MIN	DAY	MO	HR	MIN	*	*	*	*	*	*	
052	6153	94 N	17032.58 W	30	AUG	08	2229	18.7	8.5	0545	120	158	485	SL-2A
SBE 9+			FLUOR S/N											
PRESS SN			SBE43-Oxy (prime)											
PRI TEMP SN			SBE43-Oxy (sec)											
SEC TEMP SN			Transmissometer											
PRI COND SN			PAR S/N											
SEC COND SN			02 Temp Sensor No.											
NIS	DEPTH	Roset.	Hydro Team-PMEL		Weingartner				Other					
No	DESIRED	notes	SALT	NUTS	02-Btl.No	02 Temp	CHL.	Frac CHL.	018					
1	42			152				m34						1
2	30			153										2
3	20			154										3
4	10			155				m35						4
5	0			156	74			m36						5
6														6
7														7
8														8
9														9
10														10
11														11
12														12

Comments:

Rosette Notes:

VESSEL R/V Melville		CRUISE ID ME0823		PROJECT & LEG PMEL/ECOFOCI		Ship Designation (I.D.)		STATION NO. 651									
CONSC CAST #	LATITUDE MIN	LONGITUDE DEG	LONGITUDE MIN	DAY	MO	YR	TIME (GMT) HR	DRY BULB (°C)	WET BULB (°C)	PRESSURE (mb)	SEA STATE	WIND DIRN. (deg)	WIND SPD. (kts)	CLOUD (amt)	TYPE WEATHER	BOTTOM DEPTH (m)	STA. NAME/ID
053	61 5.0	92 N	16 951	46 W	31	AUG 08	0033	18.8	18.6	1013.5	5	361	115	158	445L	-01	
SBE 9+			FLUOR S/N														
PRESS SN			SBE43-Oxy (prime)														
PRI TEMP SN			SBE43-Oxy (sec)														
SEC TEMP SN			Transmissometer														
PRI COND SN			PAR S/N														
SEC COND SN			02 Temp Sensor No.														
NIS	DEPTH	Roset.	Hydro Team-PMEL						Weingartner	Other							
No	DESIRED	notes	SALT	NUTS	02-BT1.No	02 Temp	CHL.	Frac CHL	018								
1	39			157	205				M37								
2	36			158													
3	20			159													
4	16			160													
5	0			161													
6																	
7																	
8																	
9																	
10																	
11																	
12																	

Comments:

Rosette Notes:

VESSEL R/V Metivier		CRUISE ID ME0823		PROJECT & LEG PME/Egofoc		Ship Designation (I.D.)						STATION NO.		052		SL-1aa			
CONSC CAST #	LATITUDE		LONGITUDE		DAY	MO	YR	TIME (GMT)	DRY BULB	WET BULB	PRESSURE	SEA STATE	WIND DIRN.	WIND SPD.	CLOUD (amt)	TYPE	BOTTOM	STA. NAME/ID	
	DEG	MIN	DEG	MIN	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								PART S/N											
SEC COND SN								O2 Temp Sensor No.											
NIS	DEPTH	Roset.	Hydro Team-PHEL						Wetpartner	Other		NIS							
No	DESIRED	notes	SALT	NUTS	02-BTLNo	02 Temp	CHL.	Frac CHL	018				No						
1	34		619	162	217		✓		40				1						
2	30			163									2						
3	20			164									3						
4	10			165									4						
5	0			166			✓		42				5						
6													6						
7													7						
8													8						
9													9						
10													10						
11													11						
12													12						

Comments:

Rosette Notes:

VESSEL R/V Melville		CRUISE ID ME0823		PROJECT & LEG PMEL/EcoFOCI		Ship Designation (I.D.)						STATION NO. 053										
CONSC CAST #		LATITUDE DEG	MIN	LONGITUDE DEG	MIN	DAY	MO	YR	HR	MIN	(°C)	(°C)	(mb)	PRESSURE SEA STATE	WIND DIRN.	WIND SPD.	WIND CLOUD (amt)	WIND TYPE	WEATHER	BOTTOM DEPTH	STA. NAME/ID	
05	5	6	1	45	.02	N	16	82	81	.83	W	31	AUG 08	0448	18.6	18.5	053	6093	108	36	SL-1bb	
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 Imp Sensor No.								
NIS	DEPTH	Roset		Hydro Team-PHEM										Weingartner								
No.	DESIRED	notes		SALT	NUTS	02-Btl No	02 Temp	CHL.	Frac CHL.					Other								
1	29				167				/					w43								No.
2	20				168				/												1	
3	10				169				/					m44							2	
4	0				170	x146			/					m45							3	
5																					4	
6																					5	
7																					6	
8																					7	
9																					8	
10																					9	
11																					10	
12																					11	
																					12	

Comments:

Rosette Notes:

VESSEL R/V Melville		CRUISE ID M0823		PROJECT & LEG PMEL/EcofOGI		Ship Designation (I.D.)		STATION NO. Calib. Cast							
CONSC CAST #	LATITUDE		LONGITUDE		TIME (GMT)		DRY BULB (°C)	WET BULB (°C)	PRESSURE (mb)	SEA STATE	WIND DIRN. (deg)	WIND SPD. (kts)	CLOUD (amt) TYPE	BOTTOM DEPTH (m)	STA. NAME/ID
	DEG	MIN	DEG	MIN	DAY	MO	HR	MIN			*	*	*	*	
056 62 12 . 41 N			174 43 . 10 W		15	08	20	15	81.7	.	05	0	49	04	172 M8
SBE 9+			FLUOR S/N												MAX DEPTH =
PRESS SN			SBE43-Oxy (prime)												
PRI TEMP SN			SBE43-Oxy (sec)												
SEC TEMP SN			Transmissometer												
PRI COND SN			PAR S/N												
SEC COND SN			02 Temp Sensor No.												
NIS DEPTH	Roset	Hydro Team-PMEL		Weingartner		Other		No		NIS No					
No DESIRED	notes	SALT	NUTS	02-BTU/No	02 Temp	CHL.	Frac CHL.	01B							
1	Bot 63		171	187											1
2	58	/	172		1282										2
3	40	/	173		1285										3
4	30	/	174		1289										4
5	22	/	175		1292										5
6	22	/	176		1292										6
7	22	/	177		1293										7
8	10	/	178		1293										8
9	8	/	179	x	1297										9
10															10
11															11
12															12

Comments:

Rosette Notes:

Vessel R/V Melville		Cruise ID ME0823		Project & Ltg PMEL/EcopOCl		Ship Designation (I.D.)		Station No.							
Consc Cast #	Latitude		Longitude		Time (GMT)		Dry Bulb (°C)	Wet Bulb (°C)	Pressure (mb)	Sea State Visiblity	Wind Dirn. (deg)	Wind Spd. (kts)	Cloud (amt)	Bottom Type Depth (m)	Sta. Name/ID
	Deg	Min	Deg	Min	Day	Mo	Yr	Hr	Min	*	*	*	*	*	
45	7	62	12	0	0	SEP	08	0338	18.7	18.6	0.6	34	645	058	72
SBE 9+										FLUOR S/N					
PRESS SN										SBE43-Oxy (prime)					
PRI TEMP SN										SBE43-Oxy (sec)					
SEC TEMP SN										Transmissometer					
PRI COND SN										PAR S/N					
SEC COND SN										02 Tmp Sensor No.					
NIS DEPTH	Roset'		Hydro Team-PMEL		Weingartner		Other								NIS No
No DESIRED notes	SALT	NUTS	O2-BTU	No	O2 Temp	CHL.	Frac CHL.	018							
1 67	Best 198		180	x	91										1
2 50															2
3 40															3
4 30															4
5 21															5
6 21															6
7 21															7
8 10															8
9 20															9
10															10
11															11
12															12

REMARKS Post Deployment Recovery Site RS-8

MAX DEPTH = 67 m

Comments:

Rosette Notes:

VESSEL R/V McMurtry		CRUISE ID ME0823		PROJECT & LEG PMEL/EGF/OC		Ship Designation (I.D.)						STATION NO.									
CONSC CAST #	LATITUDE	DEG	MIN	DEG	MIN	DAY	MO	YR	HR	MIN	TIME (GMT)	DRY BULB ("C)	WET BULB ("C)	PRESSURE (mb)	SEA STATE	WIND DIRN. (deg)	WIND SPD. (kts)	CLOUD (amt)	TYPE WEATHER	BOTTOM DEPTH	SL - 12a STA. NAME/ID
058	62	12	.0	1	N	174	17	79	W	01	S E P 08 0624	8.2	8.2	10635	052058	05	70				M8E
SBE 9+											FLUOR S/N										
PRESS SN											SBE43-Oxy (prime)										
PRI TEMP SN											SBE43-Oxy (sec)										
SEC TEMP SN											Transmissometer										
PRI COND SN											PAR S/N										
SEC COND SN											02 Temp Sensor No.										
NIS DEPTH	Roset.	Hydro Team +PMEL						Weighbridge	Other												
No DESIRED notes		SALT	NUTS	02-Btl No	02 Temp	CHL.	Frac CHL.	018													
1 63						1															No
2 50						2		/													1
3 40						3		/													2
4 30						4		/													3
5 20						5		/													4
6 10						6		/													5
7 0						7	*	171		/											6
8																					7
9																					8
10																					9
11																					10
12																					11
																					12

Comments:

Rosette Notes:

VESSEL R/V Melville		CRUISE ID ME0823		PROJECT & LEG PMEL/EgFOCI		Ship Designation (I.D.)						STATION NO.						
CONSC CAST #		LATITUDE		LONGITUDE		TIME (GMT)			DRY BULB	WET BULB	PRESSURE	SEA STATE	WIND DIRN.	WIND SPD.	CLOUD (amt)	BOTTOM	STA. NAME /ID	
		DEG	MIN	DEG	MIN	DAY	MO	YR	(°C)	(°C)	(mb)	*	*	(deg)	(kts)	*	*	(m)
SBE 9+																		
PRESS SN																		
PRI TEMP SN																		
SEC TEMP SN																		
PRI COND SN																		
SEC COND SN																		
NIS	DEPTH	Roset.						Hydro Team-PMEL						Weingartner	Other			NIS
No	DESIRED	notes	SALT	NUTS	02-Btl.No	02 Temp	CHL.	Frac CHL	018									No
1	72		80 <sup>0</sup>	138	8	*207				/								1
2	56									/								2
3	40									/								3
4	38									/								4
5	20									/								5
6	10									/								6
7	0									/								7
8																		8
9																		9
10																		10
11																		11
12																		12

Comments:

Rosette Notes:

VESSEL R/V Melville		CRUISE ID ME0823		PROJECT & LEG PMEL/EcoFOCI		Ship Designation (I.D.)						STATION NO.	
CONSC CAST #	LATITUDE	LONGITUDE	TIME (GMT)	DRY BULB ("C)	WET BULB ("C)	PRESSURE (mb)	SEA STATE	WIND DIRN. (deg)	WIND SPD. (kts)	CLOUD (amt)	TYPE WEATHER	BOTTOM	STA NAME/ID
DEG	MIN	DEG	MIN	DAY	MO	HR	MIN		*	*	*	DEPTH	(m)
0	6	62	25.	27	N	17	42.	10	W	1	80.9	08	1133
S8E 9+													
PRESS SN													
SPRI TEMP SN													
SEC TEMP SN													
PRI COND SN													
SEC COND SN													
NIS	DEPTH	Roset.	Hydro Team-PMEI										
No.	DESIRED	notes	SALT	NUTS	02-Btl/No	02 Temp	CHL.	Frac CHL	018				
1	50	66		15	497								
2	40	1		16									
3	30	Chl Max		17									
4	20	1		18									
5	10	1		19									
6	0	~		20									
7				21	X								
8													
9													
10													
11													
12													

Comments:

Rosette Notes:

VESSEL  
R/V Melville

CRL  
MEC

PROJEC& LEG  
PME/ECOFOL

Ship Designation (I.D.)

STATION NO. 2

STATION NO.

Rosette Notes

VESSEL R/V Melville		CRUISE ID ME0823		PROJECT & LEG PME/EGOFCL		Ship Designation (I.D.)						STATION NO.									
CONSC CAST #	LATITUDE		LONGITUDE		TIME (GMT)			DRY BULB		WET BULB		PRESSURE									
	DEG	MIN	DEG	MIN	DAY	MO	YR	HR	MIN	(C)	(C)	(mb)	+	(deg)	WIND DIRN. SPD.	WIND DIRN. SPD.	CLOUD (amt) TYPE	WEATHER	BOTTOM DEPTH	STA. NAME/ID	
062° 41' 58.43" N	1.74137°	04.04' W	06	SEP	08	1506	18.2	8.2	07	035	12	75	1	18.5							
SBE 9+																					
PRESS SN																					
PRI TEMP SN																					
SEC TEMP SN																					
PRI COND SN																					
SEC COND SN																					
NIS	DEPTH	Roset.	Hydro Team-PME						Wetgarnier		Other										
No	DESIRED notes		SALT	NUTS	O2-BTL No	O2 Temp	CHL.	Frac CHL	018												NIS No
1	ROS	70'				29	118														1
2	SB	1				30															2
3	40	1				31															3
4	30	31				32															4
5	20					33															5
6	10					34															6
7	D					35															7
8																					8
9																					9
10																					10
11																					11
12																					12

Comments:

Rosette Notes:

VESSEL R/V Melville	CRUISE ID Mc0823	PROJECT & LEG PMEL/EcoFOCI	Ship Designation (I.D.)										STATION NO. 70455							
			CONSC CAST #	LATITUDE		LONGITUDE		TIME (GMT)			DRY BULB	WET BULB	PRESSURE	SEA STATE	WIND	WIND	CLOUD (amt)	WEATHER	BOTTOM	STA. NAME/ID
				DEG	MIN	DEG	MIN	DAY	MO	YR	HR	MIN	(mb)	.	.	(deg)	(kts)	.	(m)	
063615.6	61.61N	17421.82W	S E P 08	16153	18.1	7.8	0727032	14												
SBE 9+		FLUOR SN																		
PRESS SN		SBE43-Oxy (prime)																		
PRI TEMP SN		SBE43-Oxy (sec)																		
SEC TEMP SN		Transmissometer																		
PRI COND SN		PAR S/N																		
SEC COND SN		O2 Temp Sensor No.																		
NIS DEPTH	Roset.	Hydro Team-PMEL																		
No DESIRED notes	SALT	NUTS	O2-Btl No	O2 Temp	Chl.	Frac CHL	018													
1 BOT.	34.5	X	36																	
2 50	1		37																	1
3 40			38																	2
4 36	1		39																	3
5 20			40																	4
6 16	Bot X 16	41	X																	5
7 0		42	248																	6
8																				7
9																				8
10																				9
11																				10
12																				11
																				12

Rosette Notes:

Comments:

VESSEL R/V Melville		CRUISE ID ME0823		PROJECT & LEG PMEL/EcoFOCI		Ship Designation (I.D.)						STATION NO.									
CONSC CAST #	LATITUDE		LONGITUDE		TIME (GMT)			DRY BULB		WET BULB		PRESSURE		SEA STATE		WIND DIRN.	WIND SPD.	CLOUD (amt)	WEATHER	BOTTOM DEPTH	STA. NAME/ID
	DEG	MIN	DEG	MIN	DAY	MO	YR	HR	MIN	(°C)	(°C)	(mb)	+	•	(deg)	(kts)	•	•	(m)		
1	61	46	15	11	69	N	174	05	66	W	0	15 SEP 08	1835	17.9	17.8	07	010712	7276	M54	73	
SBE 9+																					
PRESS SN																					
PRI TEMP SN																					
SEC TEMP SN																					
PRI COND SN																					
SEC COND SN																					
NIS DEPTH	Roset.		Hydro Team-PMEL						Weingartner		Other										
No	DESIRED	notes	SALT	NUTS	O2-BuNo	O2 Temp	CHL.	Frac CHL	018											NIS No	
1	130	107		43	117															1	
2	60			44																2	
3	40			45																3	
4	30			46																4	
5	20			47																5	
6	10			48																6	
7	0			49	X															7	
8																				8	
9																				9	
10																				10	
11																				11	
12																				12	

Comments:

Rosette Notes:

VESSEL R/V Melville		CRUISE ID ME0823		PROJECT & LEG PMEL/EcoFOCI		Ship Designation (I.D.)						STATION NO.												
CONSC CAST #	LATITUDE		LONGITUDE		TIME (GMT)			DRY BULB		WET BULB		PRESSURE		SEA STATE		WIND		CLOUD (amt)		BOTTOM		STA. NAME/ID		
	DEG	MIN	DEG	MIN	DAY	MO	YR	HR	MIN	(°C)	(°C)	(mb)	+	*	(deg)	(kts)	*	*	TYPE	WEATHER	DEPTH	(m)		
065	61	43.65	N	173.511.27	W	01	SEP	10	08	19.58	17.7	6.9	0.7	3.6	02.3	11	8	17	B7.0	N	5.3			
SBE 9+																								
PRESS SN																								
PRI TEMP SN																								
SEC TEMP SN																								
PRI COND SN																								
SEC COND SN																								
NIS	DEPTH	Roset.	Hydro Team-PHBL						Weingartner	Other						REMARKS						MAX DEPTH = 65 m		
No.	DESIRED notes		SALT	NUTS	02-BTL No	02 Temp	CHL.	Frac CHL	018															
1	ROT	65	-30.7	2.0	50	50																		
2	50																							1
3	40																							2
4	30																							3
5	20																							4
6	10																							5
7	C																							6
8																								7
9																								8
10																								9
11																								10
12																								11
																								12

Comments:

Rosette Notes:

VESSEL R/V Melville		CRUISE ID ME0823	PROJECT & LEG PMEL/ECOFOCI		Ship Designation (I.D.)						STATION NO.										
CONSC CAST #	LATITUDE		LONGITUDE		TIME (GMT)			DRY BULB	WET BULB	PRESSURE		SEA STATE		WIND	WIND	CLOUD (amt)	WEATHER	BOTTOM	STA. NAME/ID		
	DEG	MIN	DEG	MIN	DAY	MO	YR	(°C)	(°C)	(mb)	*	*	(deg)	(kts)	*	*	(m)				
066	6	13.3	.6	1	N	173	42.8	1	w	6	54.0	8	21135	17.7	7.107	370101	28	74			
SBE 9+															FLUOR SN						
PRESS SN															SBE43-Oxy (prime)						
PRI TEMP SN															SBE43-Oxy (sec)						
SEC TEMP SN															Transmissometer						
PRI COND SN															PAR S/N						
SEC COND SN															O2 Temp Sensor No.						
NIS	DEPTH	Roset.		Hydro Team-PMEL						Weingartner	Other										
No	DESIRED notes	SALT	NUTS	O2-BTU/No	O2 Temp	CHL.	Frac CHL	018													
1	<del>R2X</del> 67m	57	58	405																	
2	50																				
3	40		59																		
4	30		60																		
5	20		61																		
6	10		62																		
7	8		63																		
8																					
9																					
10																					
11																					
12																					

Rosette Notes:

Comments:

VESSEL R/V Melville	CRUISE ID MF0823	PROJECT & LEG PMEL/EGFOC	Ship Designation (I.D.)										STATION NO. 70m/							
			CONSC CAST #	LATITUDE		LONGITUDE		TIME (GMT)			DRY BULB	WET BULB	PRESSURE	SEA STATE	WIND	WIND	CLOUD	WEATHER	BOTTOM	STA. NAME/ID
	DEG	MIN	DEG	MIN	DAY	MO	YR	HR	MIN	(°C)	(°C)	(mb)	+	+	(deg)	(kts)	+	+	(m)	
6K 7 61 24.55 N	17 34 44.28 W	01 SEP 08	22 52	18.0	7.0	07	37	03.0	11.8											
SBE 9+			FLUOR S/N																	
PRESS SN			SBE 43-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	Rosett.	Hydro Team-PMEL			Weingartner		Other													
No DESIRED notes	SALT	NUTS	O2-Batt No	O2 Temp	CHL.	Frac CHL	018													NIS No
1 69	Box I 14A	64	x 61		1															1
2 50		65			1															2
3 40		66			1															3
4 30		67			1															4
5 20		68			1															5
6 10		69			1															6
7 0		70			1															7
8																				8
9																				9
10																				10
11																				11
12																				12

Rosette Notes:

VESSEL R/V Melville		CRUISE ID ME0823	PROJECT & LEG PME/ECO/OC		SHIP DESIGNATION (I.D.)		STATION NO.								
CONISC CAST #		LATITUDE	LONGITUDE	TIME (GMT)	DRY BULB (°C)	WET BULB (°C)	PRESSURE (mb)	SEA STATE VISIBILITY	WIND DIRN. (deg)	WIND SPD. (kts)	CLOUD TYPE (amt)	WEATHER	BOTTOM DEPTH	STA. NAME/ID	
DEG	MIN	DEG	MIN	DAY	MO	YR	HR	MIN	•	•	•	•	•	•	
068	6114.95	17344.47	N	0256P	0029	18.1	6.9	0737	010	108	73				70W50
SBE 9+		FLUOR S/N													
PRESS SN		SBE43-Oxy (prime)													
PRI TEMP SN		SBE43-Oxy (sec)													
SEC TEMP SN		Transmissometer													
PRL COND SN		PAR S/N													
SEC COND SN		02 Tmp Sensor No.													
NIS	DEPTH	ROSET.	Hydro Team-PME	Wet gauze	Other										
No.	DESIRED notes	SALT	NUTS	02-BTIN#	02 Temp	CHL.	Frac CHL	018							
1	69		71												1
2	50		72												2
3	40		73												3
4	30		74												4
5	20		75												5
6	10		76												6
7	0		77	69	/										7
8															8
9															9
10															10
11															11
12															12

Rosette Notes:

VESSEL R/V Melville	CRUISE ID ME0823	PROJECT & LEG PMEL/EcoFOCI						Ship Designation (I.D.)						STATION NO.				
		CONSC CAST #	DEG MIN	LATITUDE	DEG MIN	LONGITUDE	DAY	MO	YR	TIME (GMT)	DRY BULB °C	WET BULB °C	PRESSURE (mb)	SEA STATE DIRN. (deg)	WIND SPD. (kts)	CLOUD (amt) TYPE	WEATHER	BOTTOM DEPTH (m)
069	61 03' 94 N	17 34 9.91 W	SEP 08	01 49 17.9	7.1	0737	37	34	8098	75	75	1014	75	08	75	75	75	70M49
SBE 9+		FLUOR S/N																MAX DEPTH =
PRESS SN		SBE43-Oxy (prime)																
PRI TEMP SN		SBE43-Oxy (sec)																
SEC TEMP SN		Transmissometer																
PRI COND SN		PAR S/N																
SEC COND SN		02 Temp Sensor No.																
NIS	DEPTH	Roset.	Hydro Team-PMEL						Weingartner	Other						NIS		
No	DESIRED notes		SALT	NUTS	02-BtlNo	02 Temp	CHL.	Frac CHL	018								No	
1	73		8	78	80		/										1	
2	50		1	79			/										2	
3	40		80				/										3	
4	30		81				/										4	
5	20		82				/										5	
6	10		83				/										6	
7	0		84				/										7	
8																	8	
9																	9	
10																	10	
11																	11	
12																	12	

Comments:

B1P missing from bot  
on Sep. 6 from 100

Rosette Notes:

VESSEL  
R/V Melville  
CRUISE ID  
ME0823

PROJECT & LEG		Ship Designation (I.D.)		SATION NO.										
PMEL/EcoFOCI														
CONSC CAST #	LATITUDE	LONGITUDE	TIME (GMT)	DRY BULB	WET BULB	PRESSURE	SEA STATE	WIND	WIND	BOTTOM	STA. NAME/ID			
DEG	MIN	DEG	MIN	DAY	MO	YR	HR	MIN	(°C)	(°C)	(mb)	(deg)	(kts)	(m)
017.0	605.44	N 173.49	65.0	25	5	08	03	22	8.0	7.0	0735	011.9	188	81
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.												

REMARKS  
CTD070  
*Cond. improved from last cast*  
MAX DEPTH = 76 m

NIS	DEPTH	Roset:	Hydro Team +PMEL					Weingartner	Other	NIS
No	DESIRED	notes	SALT	NUTS	02-AtuNo	02 Temp	CHL.	Frac CHL	018	No
1	75			85	1					1
2	50			86						2
3	40			87						3
4	30			88						4
5	20			89						5
6	10			90						6
7	0			91	102					7
8										8
9										9
10										10
11										11
12										12

Comments:

Rosette Notes:

VESSEL:  
R/V Melville

CRUISE ID:  
ME0823

PROJECT & LEG:  
PMEL/Egofci

Ship Designation (I.D. )  
S1

SATION NO.  
70M47

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/I.D.
	DEG	MIN	DEG	MIN	DAY	MO	YR	HR	MIN						
07 160 44.25	N	17338.86	W	02569.08	0449	18.1	6.7	0636	0106	158	172				
SBE 9+										FLUOR S/N					
PRESS SN										SBE43-Dry (prime)					
PRI TEMP SN										SBE43-Dry (sec)					
SEC TEMP SN										Transmissometer					
PRI COND SN										PAR S/N					
SEC COND SN										O2 Temp Sensor No.					
NIS	DEPTH	Roset.	Hydro Team-PMEL				Weingartner	Other							
No	DESIRED	notes	SALT	NUTS	02-BtlNo	02 Temp	CHL.	Frac CHL	018						NIS
1	67	Box T	24	92	64			m 51							No
2	50		93			/									1
3	40		94			/									2
4	30		95			/									3
5	20		96			/									4
6	10		97			/		m 52							5
7	0		98			/		m 53							6
8															7
9															8
10															9
11															10
12															11
															12

REMARKS  
CTD 071

MAX DEPTH = 67 m

Comments:	Rosette Notes:
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VESSEL R/V Melville		CRUISE ID ME0823		PROJECT & LEG PMEL/EgofocI		Ship Designation (I.D.)		STATION NO.	
CONSC CAST #		DEG MIN	DEG MIN	DEG MIN	DAY MO YR HR MN	TIME (GMT) DRY BULB (°C)	WET BULB (°C)	PRESSURE SEA STATE VISIBILITY	

07260341.28	N	17338.38	W	0256P08	0629	8.1	6.9	0738	067158	67
SBE 9+		FLUOR S/N								

PRESS SN	SBE43-Dry (prime)
PRI TEMP SN	SBE43-Dry (sec)
SEC TEMP SN	Thermometer
PRC COND SN	PAR S/N
SEC COND SN	O2 Temp Sensor No.

REMARKS  
CTD072

NIS No	DEPTH Roset.	Hydro Team-PMEL						Wingartner	Other	NIS No
		DESIRED notes	SALT	NUTS	O2-Btl No	O2 Temp	CHL.	Frac CHL		
1	63			99			/			1
2	50			100			/			2
3	40			101			/			3
4	30			102			/			4
5	20			103			/			5
6	10			104			/			6
7	0			105-200			/			7
8										8
9										9
10										10
11										11
12										12

Comments:

Rosette Notes:

VESSEL R/V Melville	CRUISE ID ME0823	PROJECT & LEG PMEL/EcoFOCI	Ship Designation (I.D.)	STATION NO.
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CONSC CAST #	LATITUDE		LONGITUDE		TIME (GMT)			DRY BULB	WET BULB	PRESSURE	SEA STATE	WIND	WIND	CLOUD (amt)	WEATHER	BOTTOM	STA. NAME/ID
	DEG	MIN	DEG	MIN	DAY	MO	YR	(°C)	(°C)	(mb)	VISIBILITY	DIRN.	SPD.	TYPE	DEPTH	(m)	
073	60	25.48	N	173	33.57	7	w	025.69	0.80743	108.2	7.1	0738	007158	66	70m 45		
SBE 9+				FLUOR S/N													
PRESS SN				SBE43-Oxy (prime)													
PRI TEMP SN				SBE43-Oxy (sec)													
SEC TEMP SN				Transmissometer													
PRI COND SN				PAR S/N													
SEC COND SN				O2 Temp Sensor No.													
NIS	DEPTH	Roset.		Hydro Team-PMEL				Weingartner		Other							
No	DESIRED	Notes		SALT	NUTS	02-Btl No	02 Temp	CHL	Frac CHL	018							
1	59	Box T 21		106	74												
2	50			107												1	
3	40			108												2	
4	30			109												3	
5	20			110												4	
6	10			111												5	
7	8			112												6	
8																7	
9																8	
10																9	
11																10	
12																11	
																12	

REMARKS C-0073

MAX DEPTH = 59 in

Rosette Notes:

VESSEL R/V Melville	CRUISE ID ME0823	PROJECT & LEG PMEL/EcoFOCI	Ship Designation (I.D.)	STATION NO.														
CONSC CAST #	DEPTH DEG	LATITUDE MIN	LONGITUDE MIN	DAY	MO	YR	TIME (GMT) HR	DRY BULB (°C)	WET BULB (°C)	PRESSURE (mb)	SEA STATE DIRN.	WIND SPD. (deg)	WIND DIRN. (kts)	CLOUD (amt) TYPE	WEATHER	BOTTOM DEPTH	STA. NAME/ID	
SBE 9+																		
PRESS SN																		
PRI TEMP SN																		
SEC TEMP SN																		
PRI COND SN																		
SEC COND SN																		
NIS DEPTH	Roset:																	
No DESIRED notes		SALT	NUTS	O2-Btl No	O2 Temp	CHL.	Frac CHL	018										
1 Rot 46			113															
2 50			114															1
3 40			115															2
4 30			116															3
5 20			117															4
6 10			118															5
7 0			119	153		✓												6
8 1																		7
9																		8
10																		9
11																		10
12																		11
																		12

Comments:

Rosette Notes:

VESSEL R/V Melville		CRUISE ID ME0823		PROJECT & LEG PMEL/EGO/OC		Ship Designation (I.D.)						STATION NO.					
CONSC CAST #		LATITUDE		LONGITUDE		TIME (GMT)	DRY BULB	WET BULB	PRESSURE	SEA STATE	WIND DIRN.	WIND SPD	CLOUD (amt)	WEATHER	BOTTOM	STA. NAME/ID	
DEG	MIN	DEG	MIN	DAY	MO	HR	MIN	(°C)	(°C)	(mb)	•	(deg)	(kts)	•	•	(m)	
017	56.0	17.3	18.8	22	5	56	9	16.4	17.9	1008	3	157	7	7	7070	M443	
SBE 9+																	
PRESS SN																	
PRI TEMP SN																	
SEC TEMP SN																	
PRI COND SN																	
SEC COND SN																	
NIS	DEPTH	Roset.		Hydro Team-PMEL		Wengenmeier		Other								NIS	
No	DESIRED	notes		SALT	NUTS	02-BNL No	02 Temp	CHL.	Frac CHL	018							No
1	30					120	X086				M54						1
2	50					121											2
3	46					122											3
4	36					123											4
5	20					124											5
6	10	Box I X15				125					M55						6
7	0					126					M52						7
8																	8
9																	9
10																	10
11																	11
12																	12

rosette notes.

Comments:

VESSEL  
R/V Melville

CRUISE ID ME0823	PROJECT & LEG PMEL/ECOFOCI	Ship Designation (I.D.)	STATION NO.																
			CONSC CAST #	DEG LATITUDE	MIN	DEG LONGITUDE	MIN	DAY	MO	YR	HR	MIN	(°C)	(°C)	(mb)	•	•	(deg)	(kts)

076 60.02 18 N 173.00 31 W 055.69 081220 17.6 7.50 6770 m 4.2

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

REMARKS

*Small oxygen line at 17-31*

NIS	DEPTH	Roset.	Hydro Team-PMEL						Weingartner	Other						NIS
No	DESIRED	notes	SALT	NUTS	O2-Btl No	O2 Temp	CHL	Frac CHL	O18							No
1	BST	62			127											1
2	50				128											2
3	40				129	X075										3
4	30				130											4
5	20				131											5
6	10				132											6
7	0				133											7
8																8
9																9
10																10
11																11
12																12

Comments:  
Rosette Notes.

VESSEL R/V Melville			CRUISE ID ME0823		PROJECT & LEG PMEL/EcoFOCI		Ship Designation (I.D.)				STATION NO.										
CONSC CAST #	LATITUDE		LONGITUDE		TIME (GMT)		DRY BULB	WET BULB	PRESSURE	WIND DIRN.	WIND SPD.	CLOUD (amt)	WEATHER	BOTTOM DEPTH	STA. NAME/ID						
	DEG	MIN	DEG	MIN	DAY	MO	YR	HR	MIN	(°C)	(°C)	(mb)	*	*	(deg)	(kts)	*	*	(m)		
D775958.64 N / 17244.76 W	07	59	58	64	1	7	244	17	26	02	S E P	08	13	31	17.6	17.6	354	12	697641		
SBE 9+										FLUOR S/N										MAX. DEPTH =	
PRESS S/N										SBE43-Oxy (prime)										m	
PRI TEMP S/N										SBE43-Oxy (sec)											
SEC TEMP S/N										Transmissometer											
PRI COND S/N										PAR S/N											
SEC COND S/N										O2 Temp Sensor No.											
NIS	DEPTH	Roset.	Hydro Team-PMEL				Weingartner		Other												
No.	DESIRED	notes	SALT	NUTS	02-Btl No	02 Temp	CHL.	Frac CHL.	018											NIS	No.
1	But 65 Box I	Y9B	134	62																1	
3	50	6								135										3	
5	46	1								136										5	
7	36									137										7	
9	20									138										9	
11	10									139										11	
13		upper-hg surf																		13	
15																				15	
17																				17	
19																				19	
21																				21	
23	D	buck-er	140																	23	

Rosette Notes:

Comments:

VESSEL R/V McMurdo		CRUISE ID ME0823		PROJECT & LEG PMEL/ECOFOCL		Ship Designation (I.D.)						STATION NO.					
CONSC CAST #		LATITUDE		LONGITUDE		TIME (GMT)		DRY BULB	WET BULB	PRESSURE (mb)	SEA STATE * VISIBILITY	WIND DIRN. (deg)	WIND SPD. (kts)	CLOUD (amt) TYPE	BOTTOM DEPTH (m)	STA. NAME/ID	
		DEG	MIN	DEG	MIN	DAY	MO	YR	HR	MIN	(°C)	(°C)	(mb)	*	*	(m)	
5	78	54	72	N	17226.65	W	08	08	15	15	8.1	8.0	106	3531	7370	M40	
SBE 9+																	
PRESS SN																	
PRI TEMP SN																	
SEC TEMP SN																	
PRI COND SN																	
SEC COND SN																	
NIS DEPTH	Roset.	Hydro Team-PMEL						Weingartner	Other						NIS		
No DESIRED notes		SALT	NUTS	02-Btl No	02 Temp	CHL.	Frac CHL.	018							No.		
1	141	141	107												1		
3	50														3		
5	46														5		
7	30														7		
9	20														9		
11	10														11		
13	0														13		
15															15		
17															17		
19															19		
21															21		
23															23		

Rosette Notes:

Comments:

VESSEL R/V Melville		CRUISE ID ME0823		PROJECT & LEG PMEL/EcoFOCI		Ship Designation (I.D.)						STATION NO.								
CONSC CAST #	LATITUDE					TIME (GMT)	DRY BULB (°C)	WET BULB (°C)	PRESSURE (mb)	SEA STATE VISIBILITY	WIND DIRN. (deg)	WIND SPD. (kts)	CLOUD TYPE	WEATHER	BOTTOM DEPTH (m)	STA. NAME/ID				
		DEG	MIN	DEG	MIN															
079	59	53	.57	N	172	09	56	W	62	S	E	P	08	16	28	8.4	8.3	65	34312	7470139
SBE 9+																				
PRESS SN																				
PRI TEMP SN																				
SEC TEMP SN																				
PRI COND SN																				
SEC COND SN																				
NIS DEPTH	Roset.	Hydro Team-PMEL						Weingartner		Other								NIS		
NO DESIRED notes		SALT	NUTS	O2-BuNo	O2 Temp	CHL.	Frac CHL.	018										No.		
1 Bot	68	130	148	175				1153										1		
3 50			149															3		
5 40				150														5		
7 35			151															7		
9 20				152														9		
11 10				153				M58										11		
13 0			154					M59										13		
15																		15		
17																		17		
19																		19		
21																		21		
23																		23		

Comments:

Rosette Notes:

VESSEL R/V Melville		CRUISE ID ME0823		PROJECT & LEG PMEL/EFOFCI		Ship Designation (I.D.)						STATION NO.										
CONSC	CAST #	LATITUDE		LONGITUDE		TIME (GMT)	DRY BULB	WET BULB	PRESSURE	WIND DIRN.	WIND SPD.	CLOUD (amt)	WEATHER	BOTTOM DEPTH	STA. NAME/ID							
		DEG	MIN	DEG	MIN	DAY	MO	YR	HR	MIN	(°C)	(°C)	(mb)	*	*	(deg)	(kts)	*	*	*	(m)	
0	80	60	47.47	N	17230.01	W	02	S E P 0 8	13	16	8.5	8.4	105	25	714					62	H5N	
SBE 9+																						
PRESS SN																						
PRI TEMP SN																						
SEC TEMP SN																						
PRI COND SN																						
SEC COND SN																						
NIS	DEPTH	Roset.		Hydro Team-PMEL						Weingartner	Other		NIS									
No.	DESIRED	notes	SALT	NUTS	02-Bu.No	02 Temp	CHL.	Frac CHL.	018					No.								
1	42.5	58.7		155	X	174								1								
3	50			152										3								
5	40			153										5								
7	30			158										7								
9	20			159										9								
11	10			160										11								
13	0			161										13								
15														15								
17														17								
19														19								
21														21								
23															23							

Comments:

Rosette Notes:

70N 38-W5

VESSEL R/V Melville		CRUISE ID ME0823		PROJECT & LEG PMEL/EcoFOCI		Ship Designation (I.D.)		STATION NO.											
CONSC CAST #	LATITUDE DEG MIN	LONGITUDE DEG MIN		DAY	MO	YR	HR	MIN	TIME (GMT)	DRY BULB (°C)	WET BULB (°C)	PRESSURE (mb)	SEA STATE * VISIBILITY	WIND DIRN. (deg)	WIND SPD. (kts)	CLOUD (amt) TYPE	WEATHER	BOTTOM DEPTH (m)	STA. NAME/ID
		DEG	MIN																
SBE 9+																			
PRESS SN																			
PRI TEMP SN																			
SEC TEMP SN																			
PRI COND SN																			
SEC COND SN																			
NIS DEPTH	Roset.	Hydro Team-PMEL						Weingartner	Other										NIS
No.	DESIRED notes	SALT	NUTS	02-BTL No	02 Temp	CHL.	Frac CHL.	018											No.
1	Bot	165 m	0‰	2.2	162	174													1
3	Bot	15 m																	3
5	Bot	165 m																	5
7	50																		7
9	40																		9
11	30																		11
13	21																		13
15	21																		15
17	21																		17
19	10																		19
21	0																		21
23																			23

Comments:

Rosette Notes:

VESSEL R/V Melville		CRUISE ID ME0823		PROJECT & LEG PMEL/EcoFOCI		Ship Designation (I.D.)						STATION NO.								
CONSC CAST #	LATITUDE DEG MIN	LONGITUDE DEG MIN		DAY	MO	YR	HR	MIN	TIME (GMT)		DRY BULB	WET BULB	PRESSURE	SEA STATE	WIND DIRN. (deg)	WIND SPD. (kts)	CLOUD (amt)	WIND TYPE	BOTTOM DEPTH	STA. NAME/ID
		DEG	MIN						(°C)	(°C)	(mb)	*	*	(deg)	*	*	*	(m)		
082594	1.94	17130	34	17	08	2018	23	21	8.5	8.0	1054	7354	208	74						
SBE 9+																				
PRESS SN																				
PRI TEMP SN																				
SEC TEMP SN																				
PRI COND SN																				
SEC COND SN																				
NIS DEPTH	Roset.	Hydro Team-PMEL																		
No DESIRED notes	SALT	NUTS	02-BN.No	02 Temp	CHL.	Frac CHL.	018													
1 67					171															
3 50					172															
5 40					173															
7 30					174															
9 20					175															
11 10					176															
13 0					177	181														
15																				
17																				
19																				
21																				
23																				

Comments:

Rosette Notes:

REMARKS CT0082  
M5 South hot on 10 June

MAX. DEPTH = 67 m

M5-S

VESSEL R/V Melville		CRUISE ID ME0823		PROJECT & LEG PMEL/EcoFOCI		Ship Designation (I.D.)						STATION NO											
CONSC CAST #	LATITUDE					TIME (GMT)	DRY BULB	WET BULB	PRESSURE	SEA STATE	VISIBILITY	WIND	WIND	CLOUD (amt)	WEATHER	BOTTOM	STA. NAME/ID						
		DEG	MIN	DEG	MIN							(°C)	(°C)	(mb)	*	*	(deg)	(kts)	*	*			
		08	35	95	3.	89	N	17	11	5.53	W	03	S	E	P	08	0130	9.1	8.6	0547	0222	208	70
SBE 9+																							
PRESS SN																							
PRI TEMP SN																							
SEC TEMP SN																							
PRI COND SN																							
SEC COND SN																							
NIS DEPTH	Roset:	Hydro Team-PMEL						Weingartner															
No DESIRED notes		SALT	NUTS	02-Btl.No	02 Temp	CHL.	Frac CHL.	018													NIS No		
1	65																				1		
3	50																				3		
5	40																				5		
7	30																				7		
9	20																				9		
11	10																				11		
13	8																				13		
15																					15		
17																					17		
19																					19		
21																					21		
23																					23		

Rosette Notes:

Comments:

VESSEL R/V Melville		CRUISE ID ME0823		PROJECT & LEG PMEL/EFOFCI		Ship Designation (I.D.)						STATION NO. 10M37						
CONSC CAST #		LATITUDE		LONGITUDE		TIME (GMT)			DRY BULB	WET BULB	PRESSURE	SEA STATE	WIND DIRN.	WIND SPD.	CLOUD (amt)	BOTTOM DEPTH	STA. NAME/ID	
		DEG	MIN	DEG	MIN	DAY	MO	YR	(°C)	(°C)	(mb)	*	*	(deg)	(kts)	*	*	
0	845946.58	N	17127.1	W	03	S	E	P	080254	9.0	8.5	1017	168	174				
SBE 9+																		
PRESS SN																		
PRI TEMP SN																		
SEC TEMP SN																		
PRI COND SN																		
SEC COND SN																		
NS	DEPTH	Roset. Hydro Team-PH&EL						Weingartner	Other						NIS			
No	DESIRED notes	SALT	NUTS	02-Bt, No	02 Temp	CHL.	Frac CHL.	018							No.			
1	68														1			
3	53														3			
5	49														5			
7	30														7			
9	26														9			
11	13														11			
13	0														13			
15															15			
17															17			
19															19			
21															21			
23															23			

Comments:

Rosette Notes:

VESSEL R/V Melville		CRUISE ID ME0823		PROJECT & LEG PMEL/ECOFOCI		Ship Designation (I.D.)						STATION NO. 70m36								
CONSC CAST #	LATITUDE DEG MIN	LONGITUDE DEG MIN		DAY	MO	YR	TIME (GMT)		DRY BULB (°C)	WET BULB (°C)	PRESSURE (mb)	SEA STATE *	VISIBILITY *	WIND DIRN. (deg)	WIND SPD. (kts)	CLOUD TYPE *	WEATHER *	BOTTOM DEPTH (m)	STA. NAME/ID	
		DEG	MIN				HR	MIN												
08	55	42.	96	N	17	08	36	W	23	S	E	P	08	04	11	19.5	8.4	06	46	013218
SBE 9+									FLUOR S/N											
PRESS SN									SBE43-Oxy (prime)											
PRI TEMP SN									SBE43-Oxy (sec)											
SEC TEMP SN									Transmissometer											
PRI COND SN									PAR S/N											
SEC COND SN									O2 Tmp Sensor No.											
NIS	DEPTH	Roset.		Hydro Team-PMEL						Wingartner		Other		NIS						
No.	DESIRED	notes	SALT	NUTS	02-Btl.No	02 Temp	CHL.	Frac CHL.	018										No.	
1	67		10*	6	190				460										1	
3	50			7															3	
5	40			8															5	
7	30			9															7	
9	20			10															9	
11	10			11															11	
13	0			12															13	
15																			15	
17																			17	
19																			19	
21																			21	
23																			23	

Comments:

Rosette Notes:

VESSEL R/V Melville		CRUISE ID ME0823		PROJECT & LEG PMEL/EcoFOCI		Ship Designation (I.D.)						STATION NO. 70M 35							
CONSC CAST #		LATITUDE		LONGITUDE		TIME (GMT)	DRY BULB	WET BULB	PRESSURE	SEA STATE	VISIBILITY	WIND DIRN.	WIND SPD.	CLOUD TYPE	WEATHER	BOTTOM DEPTH	STA. NAME/ID		
		DEG	MIN	DEG	MIN	DAY	MO	YR	HR	MIN	(°C)	(°C)	(mb)	*	*	(deg)	(kts)	*	(m)
		086	59	35	.66	N	170	55	.25	W	03	S E P	08	0550	18.8	8.3	0656008	228	72
SBE 9+																			
PRESS SN																			
PRI TEMP SN																			
SEC TEMP SN																			
PRI COND SN																			
SEC COND SN																			
NIS DEPTH	Roset.	Hydro Team-PMEL						Weingartner										NIS	
No DESIRED notes		SALT	NUTS	02-Btl.No	02 Temp	CHL.	Frac CHL.	018										No.	
1	66				13													1	
3	52				14													3	
5	40				15													5	
7	30				16													7	
9	20				17													9	
11	10				18													11	
13	0				19	195												13	
15																		15	
17																		17	
19																		19	
21																		21	
23																		23	

Rosette Notes:

Comments:

VESSEL R/V Melville		CRUISE ID ME0823		PROJECT & LEG PMEL/EcoFOCI		Ship Designation (I.D.)						STATION NO. 70M 34										
CONSC CAST #	LATITUDE DEG MIN	LONGITUDE DEG MIN		DAY	MO	YR	HR	MIN	TIME (GMT)		DRY BULB	WET BULB	PRESSURE		SEA STATE	WIND	WIND	CLOUD (amt)	WEATHER	BOTTOM	STA. NAME/ID	
		DEG	MIN						(°C)	(°C)	(mb)	*	*	(deg)	(kts)	*	*	(m)				
08	7 59 26.	06	N	17	05	4	35	W	03	S E P	08	0705	8.6	8.1	6755	60	6208	72				
SBE 9+																						
PRESS SN																						
PRI TEMP SN																						
SEC TEMP SN																						
PRI COND SN																						
SEC COND SN																						
NIS DEPTH	Roset:		Hydro Team-PMEL						Weingartner		Other										NIS	
No DESIRED notes	SALT	NUTS	O2-Btl.No	O2 Temp	CHL.	Frac CHL.	018														No	
1 67	B*E*	4A	20	197																		1
3 50		21																				3
5 40		22																				5
7 30		23																				7
9 20		24																				9
11 10		25																				11
13 0		26																				13
15																						15
17																						17
19																						19
21																						21
23																						23

Comments:

Rosette Notes:

VESSEL R/V Melville		CRUISE ID ME0823		PROJECT & LEG PMEL/EcoFOCI		Ship Designation (I.D.)		STATION NO. 70 M 33														
CONSC CAST #	LATITUDE	DEG	MIN	DEG	MN	DAY	MO	YR	HR	MIN	(°C)	(°C)	(mb)	+	+	(deg)	WIND DIRN.	WIND SPD.	CLOUD (amt)	WIND TYPE	BOTTOM DEPTH	STA. NAME / ID
	088	59	20	13	N	170	30	24	11	08	035	69	083	7	8.3	.	05	002	24	002	70	33
SBE 9+																						
PRESS SN																						
PRI TEMP SN																						
SEC TEMP SN																						
PRI COND SN																						
SEC COND SN																						
NIS DEPTH	Roset.	Hydro Team-PMEL						Weingartner	Other													
No DESIRED notes		SALT	NUTS	02-BuNo	02 Temp	CHL.	Frac CHL	018														
1	65	27																				
2	58	28																				
3	40	29																				
4	30	30																				
5	20	31																				
6	10	32																				
7	0	33	133																			
8																						
9																						
10																						
11																						
12																						

Comments:

Rosette Notes:

VESSEL R/V Melville		CRUISE ID ME0823		PROJECT & LEG PME/EGOFOCI		Ship Designation (I.D.)						STATION NO.							
CONSC CAST #	LATITUDE	LONGITUDE		DAY	MO	YR	HR	MIN	TIME (GMT)	DRY BULB (°C)	WET BULB (°C)	PRESSURE (mb)	SEA STATE	WIND DIRN. SPD.	WIND TYPE	CLOUD (amt)	BOTTOM DEPTH	STA. NAME/ID	
DEG	MIN	DEG	MIN				*	*	(deg)	(kts)	*	*	(m)						
0895914.84N	17024.63W	03SEP080953	8.2	18.1	08	00618											6970M32		
SBE 9+		FLUOR S/N																MAX. DEPTH =	
PRESS SN		SBE43-Oxy (prime)																m	
PRI TEMP SN		SBE43-Oxy (sec)																	
SEC TEMP SN		Transmissometer																	
PRI COND SN		PAR S/N																	
SEC COND SN		O2 Tmp Sensor No.																	
NIS	DEPTH	ROSET.	Hydro Team:PMEL						Weintraut										
No.	DESIRED	notes	SALT	NUTS	02-BTN#	02 Temp	CHL.	Frac CHL.	018									NIS	
1	MOT	62		34	213				Mle3									No.	
3	50			35													1		
5	40			36													3		
7	30			37													5		
9	20			38													7		
11	10			39													9		
13	8	BOT	40						Mle4								11		
15									Mle5								13		
17																	15		
19																	17		
21																	19		
23																	21		
																	23		

Rosette Notes:

Comments:

VESSEL R/V Melville		CRUISE ID ME0323		PROJECT & LEG PMEL/EcoFOCI		Ship Designation (I.D.)						STATION NO.			
CONSC CAST #	LATITUDE	LONGITUDE		TIME (GMT)	DRY BULB (°C)	WET BULB (°C)	PRESSURE (mb)	SEA STATE VISIBILITY	WIND DIRN. (deg)	WIND SPD. (kts)	CLOUD TYPE	WEATHER	BOTTOM DEPTH (m)	STA. NAME/ID	
		DEG	MIN						DAY	MO	YR	HR	MIN		
	0905906.470	N	17014.73	W	33S	E	P	08	11	31	7.8	7.7	08	35718	6870431
SBE 9+															MAX. DEPTH =
PRESS SN															m
PRI TEMP SN															
SEC TEMP SN															
PRI COND SN															
SEC COND SN															
NIS	DEPTH	Roset.	Hydro Team-PMEL				Weingartner	Other							NIS
No	DESIRED	notes	SALT	NUTS	O2-Btl.No	O2 Temp	CHL.	Frac CHL.	018						No.
1	100	63		46											1
3	50	42		42											3
5	40	42	X/62	42											5
7	30	44		44											7
9	20	45		45											9
11	16	46		46											11
13	0	47		47											13
15															15
17															17
19															19
21															21
23															23

Comments:

Rosette Notes:

VESSEL R/V Melville		CRUISE ID ME0823		PROJECT & LEG PMEL/EcoFOCI		Ship Designation (I.D.)		STATION NO. 70430	
CONSC CAST #	LATITUDE								
		DEG	MIN	DEG	MIN	DAY	MO	YR	HR
									MIN
09	58 56.87 N	170 19.81 W		03	S E P 08	12 46	8.0	7.8	08
SBE 9+									
PRES S/N									
PRI TEMP S/N									
SEC TEMP S/N									
PRI COND S/N									
SEC COND S/N									
NIS	DEPTH	Roset.		Hydro Team-PMEI		Weingartner		Other	
NO	DESIRED	notes	SALT	NUTS	02-Btl.No	02 Temp	CHL.	Frac CHL.	018
1	Bot	65	0° 21' 17.6"	46.9					
3	50								
5	40								
7	30								
9	26								
11	10								
13	0								
15									
17									
19									
21									
23									

Rosette Notes:

Comments:

VESSEL R/V Melville		CRUISE ID ME0823		PROJECT & LEG PMEL/EcoFOCI		Ship Designation (I.D.)				STATION NO. 70429											
CONSC CAST #	LATITUDE		LONGITUDE				TIME (GMT)		DRY BULB	WET BULB	PRESSURE		SEA STATE		WIND DIRN.	WIND SPD.	CLOUD (amt)	WEATHER	BOTTOM DEPTH	STA. NAME/ID	
	DEG	MIN	DEG	MIN	DAY	MO	YR	HR	MIN	(°C)	(°C)	(mb)	*	*	(deg)	(kts)	*	*	(m)		
09	25	84	61	42	N	17	01	7	46	03	S	E	P	0	8	1426	7	8	809	345	17
SBE 9+										FILM S/N											
PRESS SN										SBE43-Dwy (prime)											
PRI TEMP SN										SBE43-Dwy (sec)											
SEC TEMP SN										Transmissometer											
PRI COND SN										PAR S/N											
SEC COND SN										O2 Temp Sensor No.											
NIS	DEPTH	Roset.		Hydro Team+PMEL		Weingartner		Other													
No.	DESIRED notes	SALT	NUTS	O2-Btl No	O2 Temp	CHL.	Frac CHL.	018												NIS No.	
1	Box	hole	55	178																1	
3	50	/	52																	3	
5	40	/	57																	5	
7	30	/	58																	7	
9	20	/	59																	9	
11	10	/	60																	11	
13	0	/	61																	13	
15	/																			15	
17	/																			17	
19	/																			19	
21	/																			21	
23																				23	

Comments:

Rosette Notes:

VESSEL R/V Melville		CRUISE ID MED023		PROJECT & LEG PMEL/EFOCI		Ship Designation (I.D.)						STATION NO. 70 M 28										
CONSC CAST #	LATITUDE		LONGITUDE		TIME (GMT)			DRY BULB		WET BULB		PRESSURE		SEA STATE		WIND DIRN.	WIND SPD.	CLOUD (amt)	WEATHER	BOTTOM DEPTH	STA. NAME/ID	
	DEG	MIN	DEG	MIN	DAY	MO	YR	HR	MIN	(°C)	(°C)	(mb)	*	*	(deg)	(kts)	*	*	(m)			
09	35	83	64	.9	9	N	170	16	.7	0	3	S	E	P	0	8	1546	7.9	7.3	10	35618	7170428
SBE 9+																						
PRESS SN																						
PRI TEMP SN																						
SEC TEMP SN																						
PRI COND SN																						
SEC COND SN																						
NIS DEPTH	Roset.		Hydro Team-PMEL						Wingate		Other										NIS	
No.	DESIRED	notes	SALT	NUTS	02-Bu.No	02 Temp	CHL.	Frac CHL.	018												No.	
1	BT	67		62	211																1	
3	55			63																	3	
5	40			64																	5	
7	30			65																	7	
9	20			66																	9	
11	10			67																	11	
13	8			BoxT	110	68															13	
15																					15	
17																					17	
19																					19	
21																					21	
23																					23	

Comments:

Rosette Notes:

VESSEL R/V McMurdo		CRUISE ID ME0823		PROJECT & LEG PMEL/EcoFOCI		Ship Designation (I.D.)		STATION NO. 70M27												
CONSC CAST #		LATITUDE		LONGITUDE		TIME (GMT)	DRY BULB	WET BULB	PRESSURE	SEA STATE	WIND	WIND	CLOUD (amt)	WEATHER	BOTTOM	STA. NAME/ID				
		DEG	MIN	DEG	MIN	DAY	MO	YR	HR	MIN	(°C)	(°C)	(mb)	*	*	DIRN.	SPD.	*	*	*
1	94	58	21	6.73	N	17	01	11	20	03	S	E	P	0	8	1734	77.7	10	35619	7470127
SBE 9+																				
PRESS SN																				
PRI TEMP SN																				
SEC TEMP SN																				
PRI COND SN																				
SEC COND SN																				
NIS	DEPTH	Roset.		Hydro Team-PMEL		Weighted		Other												
No.	DESIRED	notes	SALT	NUTS	02-Btl No	02 Temp	CHL.	Frac CHL.	018											NIS
1	10	48		69																No.
3	56			70																1
5	48			71																3
7	30			72																5
9	20			73																7
11	10			74																9
13	0			75	X150															11
15																				13
17																				15
19																				17
21																				19
23																				21
																				23

Comments:

Rosette Notes:

VESSEL R/V Melville		CRUISE ID ME0823		PROJECT & LEG PMEL/EcoFOCI		Ship Designation (I.D.)						STATION NO. 70M26			
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	BOTTOM DEPTH (m)	STA. NAME/ID
	DEG MIN	DEG MIN	DAY	MO	YR HR MIN				*	*	*	*	*	*	
0955	816.	87N	17005.	63W	08/1858	7.8	7.8	11359	16	359	16	7270	M26		
SBE 9+															MAX. DEPTH =
PRESS SN															m
PRI TEMP SN															
SEC TEMP SN															
PRI COND SN															
SEC COND SN															
NIS DEPTH	Roset.	Hydro Team-PMEL					Weingartner	Other							NIS
No.	DESIRED notes	SALT	NUTS	02-BuNo	02 Temp	CHL	Frac CHL	018							No.
1	Bot	16	76	X/20											1
3	5D	7	77			/									3
5	4D		78			/									5
7	3D		79			/									7
9	1D		80			/									9
11	1D		81			/									11
13	0		82			/									13
15															15
17															17
19															19
21															21
23															23

Comments:

Rosette Notes:

VESSEL R/V Melville		CRUISE ID ME0023		PROJECT & LEG PMEL/ECOFOCI		Ship Designation (I.D.)				STATION NO.						
CONSC CAST #	LATITUDE					TIME (GMT)	DRY BULB (°C)	WET BULB (°C)	PRESSURE (mb)	SEA STATE VISIBILITY	WIND DIRN. (deg)	WIND SPD. (kts)	CLOUD TYPE	WEATHER	BOTTOM DEPTH (m)	STA. NAME/ID
		DEG	MIN	DEG	MIN											
	09 45 80 8.78 N	16 19 55.1	12 W	08 20 50	17.8	17.6	1247350	148							7175425	
SBE 9+						FLUOR S/N										
PRESS SN						SBE43-Oxy (prime)										
PRI TEMP SN						SBE43-Oxy (sec)										
SEC TEMP SN						Transmissometer										
PRI COND SN						PAR S/N										
SEC COND SN						O2 Tmp Sensor No.										
NIS DEPTH	Roset.	Hydro Team-PMEL						Weingartner		Other						NIS
No DESIRED notes		SALT	NUTS	02-Btu.No	02 Temp	CHL.	Frac CHL.	018								No.
1 66	Bottle 50	83	2121					69								1
3 50		84				✓										3
5 40		85				✓										5
7 30		86				✓										7
9 20		87				✓										9
11 10		88				✓		70								11
13 0		89				✓		71								13
15																15
17																17
19																19
21																21
23																23

Comments:

Rosette Notes:

VESSEL R/V Melville	CRUISE ID ME0323	PROJECT & LEG PMEL/EcoFOCI						Ship Designation (I.D.)						STATION NO.					
		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)	*	*
SBE 9+																			
PRESS SN																			
PRI TEMP SN																			
SEC TEMP SN																			
PRI COND SN																			
SEC COND SN																			
NIS DEPTH	Roset.	Hydro Team-PMEL						Waddington			Other						NIS		
No.	DESIRED notes	SALT	NUTS	02-BLU.NO	02 Temp	CHL.	Frac CHL.	018									No.		
1	65		90			/											1		
3	50		91			/											3		
5	40		92			/											5		
7	30		93			/											7		
9	20		94			/											9		
11	10		95			/											11		
13	①		96	198		/											13		
15																	15		
17																	17		
19																	19		
21																	21		
23																	23		

Comments:

Rosette Notes:

VESSEL R/V Melville		CRUISE ID MFO823		PROJECT & LEG PMEL/EcoFOCI						Ship Designation (I.D.)						STATION NO.			
CONSC CAST #	LATITUDE DEG MIN	LONGITUDE DEG MIN		DAY	MO	YR	HR	MIN	TIME (GMT)	DRY BULB	WET BULB	PRESSURE	SEA STATE	WIND DIRN.	WIND SPD.	CLOUD (amt)	WEATHER	BOTTOM DEPTH	STA. NAME/ID
		DEG	MIN				(°C)	(°C)	(mb)	*	*	(deg)	(kts)	*	*	(m)			
098575	41.27	N	16930	.13	W	03	S	E	p	08	2345	8.1	7.2	1	246346	186	69		
SBE 9+																			
PRESS SN																			
PRI TEMP SN																			
SEC TEMP SN																			
PRI COND SN																			
SEC COND SN																			
NIS DEPTH	Roset.	Hydro Team-PMEL						Weingartner											NIS
No DESIRED notes		SALT	NUTS	02-Btl.No	02 Temp	CHL.	Frac CHL.	018											No.
1 63		24	97	151															1
3 50			98																3
5 40			99																5
7 30			100																7
9 20			101																9
11 10			102																11
13 0			103																13
15																			15
17																			17
19																			19
21																			21
23																			23

Comments:

Rosette Notes:

VESSEL R/V Melville		CRUISE ID ME0823		PROJECT & LEG PMEL/EcoFOCI		Ship Designation (I.D.)						STATION NO. M4W								
CONSC CAST #	LATITUDE DEG MIN	LONGITUDE		DAY	MO	YR	TIME (GMT)		DRY BULB	WET BULB	PRESSURE		SEA STATE VISIBILITY	WIND DIRN. (deg)	WIND SPD. (kts)	CLOUD (amt)	TYPE WEATHER	BOTTOM DEPTH (m)	STA. NAME/ID	
		DEG	MIN				HR	MIN	(°C)	(°C)	(mb)	*	*	(deg)	(kts)	*	*	(m)		
099 57 45.	97 N	16 91 2.	09 W	04	S E P	08 01 15	7	.8	7.2	13 46 34 51	88							63		
SBE 9+																				
PRESS SN																				
PRI TEMP SN																				
SEC TEMP SN																				
PRI COND SN																				
SEC COND SN																				
NIS DEPTH	Roset.	Hydro Team-PMEL						Weingartner	Other										NIS No.	
No DESIRED notes	SALT	NUTS	02-Btl.No	02 Temp	CHL.	Frac CHL.	018													
1 S9				104																1
3 56				105-				✓												3
5 40				106				✓												5
7 30				107				✓												7
9 20				108				✓												9
11 10				109				✓												11
13 0				110	59			✓												13
15																				15
17																				17
19																				19
21																				21
23																				23

Comments:

Rosette Notes:

VESSEL R/V Metville		CRUISE ID MEO823		PROJECT & LEG PMEL/EcoFOCI		Ship Designation (I.D.)						STATION NO.									
CONSC CAST #	LATITUDE DEG MIN	LONGITUDE DEG MIN		DAY	MO	YR	HR	MIN	TIME (GMT)		DRY BULB	WET BULB	PRESSURE	SEA STATE	WIND DIRN.	WIND SPD	CLOUD (amt)	WEATHER	BOTTOM DEPTH	STA. NAME/ID	
		DEG	MIN						(°C)	(°C)	(mb)	*	*	(deg)	(kts)	*	*	(m)			
10	057	54	.90	N	16	900	.01	w	C	S	E	P	0	8	6	30	2	7.5	7.0	1347335158	M4-N
SBE 9+																					
PRESS SN																					
PRI TEMP SN																					
SEC TEMP SN																					
PRI COND SN																					
SEC COND SN									O2 Tmp Sensor No.												
NIS DEPTH	Roset.	Hydro Team-PMEL																			
No	DESIRED	notes	SALT	NUTS	O2-BuNo	O2 Temp	CHL.	Frac CHL.	018											NIS	
1	66	Box 18A	111	182																No.	
3	SD		112																	1	
5	40		113																	3	
7	20		114																	5	
9	20		115																	7	
11	18		116																	9	
13	0		117																	11	
15																				13	
17																				15	
19																				17	
21																				19	
23																				21	
																				23	

Comments:

Rosette Notes:

VESSEL R/V McMurdo		CRUISE ID ME0823		PROJECT & LEG PMEL/ECOFOCI		Ship Designation (I.D.)		STATION NO. M-4												
CONSC CAST #	LATITUDE	LONGITUDE		TIME (GMT)		DRY BULB	WET BULB	PRESSURE	SEA STATE	WIND DIRN.	WIND SPD.	CLOUD (amt)	TYPE	BOTTOM DEPTH	STA. NAME/ID					
		DEG	MIN	DEG	MIN	DAY	MO	YR	HR	MIN	(°C)	(°C)	(mb)	*	*	(deg)	(kts)	*	*	(m)
1015749.99	N	16853.00	W	04SEP08	0613	7.8	6.2	1438	334	158									70	
SBE 9+		FLUOR S/N																	MAX. DEPTH = 66 m	
PRESS SN		SBE43-Dwy (prime)																	M - 4	
PRI TEMP SN		SBE43-Dwy (sec)																		
SEC TEMP SN		Thermometer																		
PRI COND SN		PAR S/N																		
SEC COND SN		O2 Tmp Sienson No.																		
NIS	DEPTH	ROSET:	Hydro Team-PMEL				Weingartner		Other										NIS	
No	DESIRED	NOTES	SALT	NUTS	O2-BR/No	O2 Temp	CHL.	Frac CHL.	018											No
1	66			118				✓												1
3	50			119																3
5	40			120				✓												5
7	30			121				✓												7
9	20			122				✓												9
11	16			123				✓												11
13	8			124	113			✓												13
15																				15
17																				17
19																				19
21																				21
23																				23

Comments:

Rosette Notes:

VESSEL R/V Melville		CRUISE ID ME0823		PROJECT & LEG PMEI/EcoFOCI		Ship Designation (I.D.)		STATION NO.											
CONSC CAST #	LATITUDE		LONGITUDE		TIME (GMT)		DRY BULB	WET BULB	PRESSURE	SEA STATE	WIND DIRN.	WIND SPD.	CLOUD TYPE	WEATHER	BOTTOM DEPTH	STA. NAME/ID			
	DEG	MIN	DEG	MIN	DAY	MO	YR	HR	MIN	(°C)	(°C)	(mb)	*	*	(deg)	(kts)	*	*	(m)
1025745.947N	16839.99W	08080530	17.8	7.8	15	08	08	08	00	24	24	1013	71	71	13	71	71	M4E	
SBE 9+			FLUOR S/N																
PRESS SN			SBE43-Oxy (prime)																
PRI TEMP SN			SBE43-Oxy (sec)																
SEC TEMP SN			Transmissometer																
PRI COND SN			PAR S/N																
SEC COND SN			02 Temp Sensor No.																
NIS	DEPTH	ROSET	Hydro Team-PMEI		Weighmaster		Other												
No.	DESIR ED	notes	SALT	NUTS	02-BTL No	02 Temp	CHL.	Frac CHL.	018										
1	805	60	125	683															
3	58		126																
5	45		127																
7	32		128																
9	20		129																
11	10		130																
13	D		131																
15																			
17																			
19																			
21																			
23																			

Comments:

Rosette Notes:

VESSEL	CRUISE ID	PROJECT & LEG	Ship Designation (I.D.)	STATION NO.
" "	" "	Project 1000 Leg 1000	Ship 1000	1000

R/V Melville  
ME0823

ME0823

PMEL/EcoFOCI

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CONSC CAST #	LATITUDE		LONGITUDE		TIME (GMT)		DRY BULB	WET BULB	PRESS	SEA S	WIND DIRN.	WIND SPD.	CLOUD	TYPE	WEAT	BOTTOM DEPTH	(m)	STA. NAME/ID	
	DEG	MIN	DEG	MIN	DAY	MO	HR	MIN	(°C)	(°C)	(mb)	*	*	DEG	(kts)	*	*		
56	10	00	160	00	10	00	00	00	15.5	14.5	1012.5	*	*	00	10	*	*	10	00

SBE 9+	FLUOR S/N	REMARKS	MAX. DEPTH =
1035736.00 N	16842.04 W	04 Aug 60	10347.6 7.716 33313 72 M45

Tens of  $\mu$ l. or more there!

30th Season out now up  
31 just affected 2/10

NO.	DESIRED NOTES	SPL.	MORS	OC-DRNG	OC-AMP	CRIM	PRO-CRIM	VIO
1	BOT 66	X	132					

50 - 133 1

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4	10	133
5	20	136
		1

6 10 137 1

7  
8

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62

Comments

Rosette Notes:

VESSEL R/V Melville		CRUISE ID ME0823		PROJECT & LEG PMEL/ECOFISH		Ship Designation (I.D.)		STATION NO.									
104 CONSC CAST #		LATITUDE		LONGITUDE		TIME (GMT)		DRY BULB	WET BULB	PRESSURE	SEA STATE	WIND DIRN.	WIND SPD.	CLOUD (amt)	WEATHER	BOTTOM DEPTH	STA. NAME/ID
DEG	MIN	DEG	MIN	DAY	MO	YR	HR	(°C)	(°C)	(mb)	*	*	(deg)	(kts)	*	*	(m)
104	5731.42	N	14836.82	W	04	S E P	08	1209	17.7	17.7	1016	340	13	7	70	M15	
SBE 9+								FLUOR S/N									
PRESS SN								SBE43-Oxy (prime)									
PRI TEMP SN								SBE43-Oxy (sec)									
SEC TEMP SN								Transmissometer									
PRI COND SN								PAR S/N									
SEC COND SN								O2 Tmp Sensor No.									
NIS	DEPTH	ROSET						Hydro Team-PMEL				Weingartner		Other			
No.	DESIRED	notes	SALT	NUTS	02-Btl No	02 Temp	CHL.	Frac CHL.	018								NIS
1	Bat	19		139	052												1
3	55			140													3
5	48			141													5
7	36			142													7
9	20			X	143												9
11	10			144													11
13	0			145													13
15																	15
17																	17
19																	19
21																	21
23																	23

Comments:

We think that on all these casts the Sal is straight in lower layer

Rosette Notes:

VESSEL R/V Melville		CRUISE ID ME0823		PROJECT & LEG PMEL/EcoFOCI		Ship Designation (I.D.)		STATION NO.				
CONSC CAST #	LATITUDE	LONGITUDE		TIME (GMT)	DRY BULB (°C)	WET BULB (°C)	PRESSURE (mb)	SEA STATE * (deg)	WIND DIRN. Spd. (kts)	WIND CLOUD TYPE (amt)	BOTTOM DEPTH (m)	STA. NAME/ID
		DEG	MIN	DEG	MIN	DAY	MO	YR	HR	MIN		
1	05 57 31 . 22 N	148 18 . 21 W	04 SEP 08	1419	77.7	77.6	1012	321	112		6970	M17
SBE 9+		FLUOR S/N										MAX. DEPTH =
PRESS SN		SBE43-Oxy (prime)										m
PRI TEMP SN		SBE43-Oxy (sec)										
SEC TEMP SN		Transmissometer										
PRI COND SN		PAR S/N										
SEC COND SN		O2 Tmp Sensor No.										
NIS	DEPTH	Roset.	Hydro Team-PMEL				Wenigartner	Other				NIS
No.	DESIRED	notes	SALT	NUTS	O2-Btl No	O2 Temp	CHL.	Frac CHL.	018			No.
1	<i>Bad</i>											1
3	50											3
5	40											5
7	36											7
9	30											9
11	20											11
13	0											13
15	1											15
17												17
19												19
21												21
23												23

Comments:

*1, could be 147*

Rosette Notes:

VESSEL R/V Metiville		CRUISE ID ME0823		PROJECT & LEG PMEL/EcoFOCI		Ship Designation (I.D.)		STATION NO. 37M4									
CONSC CAST #	LATITUDE	LONGITUDE				TIME (GMT)	DRY BULB (°C)	WET BULB (°C)	PRESSURE (mb)	SEA STATE	WIND DIRN.	WIND SPD. (kts)	CLOUD (amt)	WEATHER	BOTTOM DEPTH (m)	STA. NAME/ID	
	DEG MIN	DEG MIN	DAY	MO	YR	HR MIN	*	*	(deg)	(deg)	*	*	*	(m)			
SBE 9+																	
PRESS SN																	
PRI TEMP SN																	
SEC TEMP SN																	
PRI COND SN																	
SEC COND SN																	
Nis DEPTH	Roset	Hydro Team-PMEL															
No DESIR ED notes	SALT	NUTS	O2-Btl No	O2 Temp	CHL.	Frac CHL.	018										
1 66			153	239													
3 55			154													1	
5 53			155													3	
7 51			156													5	
9 50			157													7	
11 40			158													9	
13 30			159													11	
15 20			160													13	
17 95																15	
19 95																17	
21 95																19	
23 95																21	
Comments:  31 had an upset until 30 m. then S2 bad, S1 good rest of trip																	
Rosette Notes:																	

NO COMING

NO COMING

VESSEL R/V Melville		CRUISE ID ME0823		PROJECT & LEG PMEL/ECOFOCL		Ship Designation (I.D.)						STATION NO.				
CONSC CAST #	LATITUDE		LONGITUDE		TIME (GMT)			DRY BULB	WET BULB	PRESSURE	SEA STATE	WIND DIRN.	WIND SPD.	CLOUD (amt)	BOTTOM DEPTH	STA. NAME/ID
	DEG	MIN	DEG	MIN	DAY	MO	YR	(°C)	(°C)	(mb)	*	*	(deg)	(kts)	*	(m)
1425730.61 N	16759.13 W	04 SEP 08	2009	7.2	6.9	1837315	148								7270116	
SBE 9+			FLUOR S/N													
PRESS SN			SBE43-Oxy (prime)													
PRI TEMP SN			SBE43-Oxy (sec)													
SEC TEMP SN			Thermometer													
PRI COND SN			PAR S/N													
SEC COND SN			02 Tmp Sensor No.													
NIS DEPTH	ROSET.	Hydro Team-PMEL				WEINGARTNER	Other				NIS No.					
No. DESIRED	Notes	SALT	NUTS	02-BTL No	02 Temp	CHL.	Frac CHL.	018								
1	65	62	63	163	167										1	
3	50	54	53	164	167										3	
5	40	44	43	165	166										5	
7	30	34	33	166	167										7	
9	20	24	23	167	168										9	
11	10	14	13	168	169										11	
13	8	12	11	169	170										13	
15															15	
17															17	
19															19	
21															21	
23															23	

Comments:

Rosette Notes:

VESSEL R/V Melville		CRUISE ID ME0823		PROJECT & LEG PMEL/EcoFOCI		Ship Designation (I.D.)		STATION NO. 70 M/15					
CONSC CAST #	LATITUDE	LONGITUDE		TIME (GMT)	DRY BULB (°C)	WET BULB (°C)	PRESSURE (mb)	SEA STATE	WIND DIRN.	WIND SPD.	CLOUD (amt)	BOTTOM DEPTH	STA. NAME/ID
DEG	MIN	DEG	MIN	DAY	MO	YR	HR	MIN	(deg)	(kts)	*	*	(m)
108	57.30	08	N	16	73	9.80	0	8	2125	7.2	6.0	1838312	128
SBE 9+													
PRESS SN													
PRI TEMP SN													
SEC TEMP SN													
PRI COND SN													
SEC COND SN													
Nis DEPTH	Isopet.	Hydro Team-PMEL				Weingartner							
No DESIRED	notes	SALT	NUTS	02-Btl No	02 Temp	CHL	Frac CHL	018					NIS
1	<u>66</u>			170									1
3	<u>50</u>			171		/							3
5	<u>40</u>			172		/							5
7	<u>30</u>			173		/							7
9	<u>20</u>			174		/							9
11	<u>10</u>			175		/							11
13	<u>0</u>			176	172	/							13
15													15
17													17
19													19
21													21
23													23

Comments:

Rosette Notes:

VESSEL R/V Melville		CRUISE ID ME0823		PROJECT & LEG PMEL/EcoFOCI		Ship Designation (I.D.)						STATION NO.						
CONSC CAST #	LATITUDE		LONGITUDE				TIME (GMT)	DRY BULB	WET BULB	PRESSURE	SEA STATE	WIND	WIND	CLOUD (amt)	WEATHER	BOTTOM	STA. NAME/ID	
	DEG	MIN	DEG	MIN	DAY	MO	HR	MIN	(°C)	(°C)	(mb)	*	*	(deg)	(kts)	*	*	(m)
1095729.93 N	16720.58 W	04 SEP 08	2301	77.2	6.3	18'3832	21	168	70	W14								
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						Weingartner										
No.	DESIRED notes	SALT	NUTS	O2-Btl No	O2 Temp	CHL.	Frac CHL.	018										
1	65	66.4	6	177	136													
3	50		178			✓											1	
5	40		179			✓											3	
7	30		180			✓											5	
9	20		181			✓											7	
11	10		182			✓											9	
13	8		183			✓											11	
15																	13	
17																	15	
19																	17	
21																	19	
23																	21	
Comments:																		

Rosette Notes:

Box H

FIRST SALT  
FROM Box H

VESSEL R/V Melville		CRUISE ID ME0823		PROJECT & LEG PMEL/EcoFOCI		Ship Designation (I.D.)						STATION NO.							
CONSC CAST #	LATITUDE		LONGITUDE		TIME (GMT)			DRY BULB	WET BULB	PRESSURE		SEA STATE	WIND DIRN.	WIND SPD.	CLOUD (amt)	TYPE	BOTTOM	STA. NAME/ID	
	DEG	MIN	DEG	MIN	DAY	MO	YR	HR	MIN	(°C)	(°C)	(mb)	*	*	(deg)	(kts)	*	*	(m)
110573	11	.26	N	16702.23	W	05	S	E	P	08	00	14	7.3	6.5	1748	309188	70	70M13	
SBE 9+										FLUOR S/N									
PRESS SN										SBE43-Oxy (prime)									
PRI TEMP SN										SBE43-Oxy (sec)									
SEC TEMP SN										Transmissometer									
PRI COND SN										PAR S/N									
SEC COND SN										O2 Tmp Sensor No.									
NIS DEPTH	Roset.		Hydro Team-PMEL		Weingartner			Other											
No DESIRED notes	SALT	NUTS	02-Btl.No	02 Temp	CHL.	Frac CHL.		018											NIS No.
1 65				184	/	/			18										1
3 50				185	/	/													3
5 40				186	/	/													5
7 30				1	/	/													7
9 20				2	/	/													9
11 10				3	/	/			79										11
13 0				4	166	/			80										13
15																			15
17																			17
19																			19
21																			21
23																			23

Comments:

Rosette Notes:

VESSEL R/V Melville		CRUISE ID ME0823		PROJECT & LEG PMEL/EcoFOCI		Ship Designation (I.D.)						STATION NO. 77 M 12							
CONSC CAST #	LATITUDE DEG MIN	LONGITUDE DEG MIN		DAY	MO	YR	HR	MIN	TIME (GMT)		DRY BULB	WET BULB	PRESSURE	WIND DIRN.	WIND SPD.	CLOUD (amt)	BOTTOM TYPE	DEPTH	STA. NAME/ID
									(°C)	(°C)	(mb)	*	* SEA STATE	* VISIBILITY	(deg)	(kts)	*	(m)	
	11 57 25 . 65 N	16 64 58 . 71 W	05 S E P 0 8 31	14 2	7.5	6.8	16 37 31 2.148												
SBE 9+		FLUOR SN																	
PRESS SN		SBE43-Oxy (prime)																	
PRI TEMP SN		SBE43-Oxy (sec)																	
SEC TEMP SN		Transmissometer																	
PRI COND SN		PAR SN																	
SEC COND SN		02 Tmp Sensor No.																	
NIS DEPTH	Roset.	Hydro Team-PMEL							Weingartner										
No. DESIRED notes	SALT	NUTS	02-Btl.No	02 Temp	CHL.	Frac CHL.		018										NIS No.	
1 65	12	5	163															1	
3 50		6																3	
5 40	7																	5	
7 30	8																	7	
9 20	9																	9	
11 10	10																	11	
13 8	11																	13	
15																		15	
17																		17	
19																		19	
21																		21	
23																		23	

Comments:

Rosette Notes:

BOX

VESSEL R/V Melville		CRUISE ID ME0823		PROJECT & LEG PMEL/EcoFOCI		Ship Designation (I.D.)		STATION NO. 70 M 11			
CONSC CAST #	LATITUDE DEG MIN	LONGITUDE DEG MIN	TIME (GMT) DAY MO YR HR MIN (*C)	DRY BULB (*C)	WET BULB (*C)	PRESSURE (mb)	SEA STATE * (deg)	WIND DIRN. WIND SPD. CLOUD (amt)	WIND TYPE WEATHER	BOTTOM DEPTH (m)	STA. NAME/ID
1	25°26.3'	116°30.80' W	05 SEP 08 21.5	6.6	6.6	1015	5	7.5	6.6	1747314158	76
SBE 9+			FLUOR SN								
PRESS SN			SBE43-Oxy (prime)								
PRI TEMP SN			SBE43-Oxy (sec)								
SEC TEMP SN			Transmissometer								
PRI COND SN			PAR SN								
SEC COND SN			O2 Tmp Sensor No.								
NIS DEPTH	Roset.	Hydro Team-PMEL	Weingartner	Other							
No.	DESIRED notes	SALT	NUTS	02-Btl.No	02 Temp	CHL.	Frac CHL.	018			
1	64			12							
3	58			13			✓				1
5	40			14			✓				3
7	30			15			✓				5
9	20			16			✓				7
11	10			17			✓				9
13	8			18	143		✓				11
15											13
17											15
19											17
21											19
23											21
											23

Comments:

Rosette Notes:

CRUISE ID ME0823		PROJECT & LEG PMEI/EcoFOCI		Ship Designation (I.D.)				STATION NO. 70M10												
CONSC CAST #	LATITUDE		LONGITUDE		TIME (GMT)		DRY BULB	WET BULB	PRESSURE		SEA STATE		WIND DIRN.	WIND SPD.	CLOUD (amt)	WEATHER	BOTTOM DEPTH	STA. NAME/ID		
	DEG	MIN	DEG	MIN	DAY	MO	YR	HR	MIN	(°C)	(°C)	(mb)	*	*	(deg)	(kts)	*	*	(m)	
11357	19	33	N	16619	55	W	05	S	E	P	08	64	25	7	7	6.6	1737301	148	70	
SBE 9+																				
PRESS SN																				
PRI TEMP SN																				
SEC TEMP SN																				
PRI COND SN																				
SEC COND SN																				
NIS	DEPTH	Roset.	Hydro Team-PMEI				Weingartner	Other											NIS	
No.	DESIRED	notes	SALT	NUTS	02-Btl.No	02 Temp	CHL.	Frac CHL.	018											No.
1	64		18	19	147															1
3	50		20	21																3
5	40		22																	5
7	30		23	24																7
9	20																			9
11	10																			11
13	0																			13
15																				15
17																				17
19																				19
21																				21
23																				23

Comments:

Box

Rosette Notes:

VESSEL R/V Melville		CRUISE ID ME0823		PROJECT & LEG PMEL/ECOFOCI		Ship Designation (I.D.)		STATION NO.											
CONSC CAST #	LATITUDE		LONGITUDE		TIME (GMT)		DRY BULB	WET BULB	PRESSURE	SEA STATE	WIND	WIND	CLOUD (amt)	WEATHER	BOTTOM	STA. NAME/ID			
	DEG	MIN	DEG	MIN	DAY	MO	YR	HR	MIN	(°C)	(°C)	(mb)	*	*	(deg)	(kts)	*	*	(m)
114571	9	.24	N	16600	66	W	05	S	E P 0 8	0544	7.6	1051	13730	138	69				
SBE 9+										FLUOR S/N									
PRESS SN										SBE43-Oxy (prime)									
PRI TEMP SN										SBE43-Oxy (sec)									
SEC TEMP SN										Transmissometer									
PRI COND SN										PAR S/N									
SEC COND SN										02 Temp Sensor No.									
NIS	DEPTH	Roset.		Hydro Team-PMEL		Weingartner		Other		NIS		NIS		NIS		NIS			
No.	DESIRED	notes	SALT	NUTS	02-Btl.No	02 Temp	CHL.	Frac CHL.	018									No.	
1	63				26				81									1	
3	56				27													3	
5	40				28													5	
7	30				29													7	
9	20				30													9	
11	18				31													11	
13	0				32	164												13	
15																		15	
17																		17	
19																		19	
21																		21	
23																		23	

Comments:

Rosette Notes:

VESSEL R/V Melville		CRUISE ID ME0823		PROJECT & LEG PMEL/EcoFOCI		Ship Designation (I.D.)		STATION NO. 70M08												
CONSC CAST #	LATITUDE	DEG	MIN	DEG	MIN	DAY	MO	YR	TIME (GMT)	DRY BULB	WET BULB	PRESSURE	SEA STATE	WIND DIRN.	WIND SPD.	CLOUD (amt)	WEATHER	BOTTOM DEPTH	STA. NAME/ID	
										(°C)	(°C)	(mb)	*	*	(deg)	(kts)	*	*	(m)	
	115 57 15.76 N	16	54	44.67 W	05	S E P	08	07	16	7.8	6.9	0738295	129					70		
SBE 9+										FLUOR S/N										
PRESS SN										SBE43-Oxy (prime)										
PRI TEMP SN										SBE43-Dry (sec)										
SEC TEMP SN										Transmissometer										
PRI COND SN										PAR S/N										
SEC COND SN										O2 Temp Sensor No.										
NIS	DEPTH	Roset:		Hydro Team-PMEL		Weingartner		Other											NIS	
No.	DESIRED notes	SALT	NUTS	O2-Btl No	O2 Temp	CHL.	Frac CHL.	018											No.	
1	65	34	33	16		1													1	
3	50	34	35			1													3	
5	40	35				1													5	
7	30	36	37			1													7	
9	29	37	38			1													9	
11	10	38	39			1													11	
13	8																		13	
15																			15	
17																			17	
19																			19	
21																			21	
23																			23	

Comments:

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VESSEL R/V Melville	CRUISE ID ME0823	PROJECT & LEG PMEL/EcoFOCI		Ship Designation (I.D.)						STATION NO.						
		CONSC CAST #	LATITUDE DEG MIN	LONGITUDE DEG MIN	DAY	MO	YR	TIME (GMT) HR MIN	DRY BULB (*C)	WET BULB (*C)	PRESSURE (mb)	SEA STATE VISIBILITY	WIND DIRN. SPD. (kts)	WIND CLOUD TYPE (amt)	WEATHER	BOTTOM DEPTH (m)
		116	57.06	36.36 N	165	36.77	9	05 S E P 08	08.28	7.8	7.8	17	28213		70m7	
SBE 9+								FUOR 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		Weingartner		Other									NIS
No	DESIRED notes	SALT	NUTS	02-Btl.No	02 Temp	CHL.	Frac CHL.	018								No
1	65		40	X99												1
3	50		41					✓								3
5	48		42					✓								5
7	30		43					✓								7
9	20		44					✓								9
11	18		45					✓								11
13	8		46	X#A				✓								13
15																15
17																17
19																19
21																21
23																23

Comments:

Rosette Notes:

VESSEL R/V Melville		CRUISE ID ME0823		PROJECT & LEG PMEL/EcoFOCI		Ship Designation (I.D.)						STATION NO.										
CONSC CAST #	LATITUDE DEG MIN	LONGITUDE DEG MIN		DAY	MO	YR	HR	MIN	TIME (GMT)		DRY BULB	WET BULB	PRESSURE		SEA STATE	WIND DIRN.	WIND SPD.	CLOUD (amt)	WEATHER	BOTTOM DEPTH	STA. NAME/ID	
		DEG	MIN						(°C)	(°C)	(mb)	*	*	(deg)	(kts)	*	*	(m)				
1175659.56N	16522.70W	15	S E P O 8	70	11	7.9	7.8	17	29	412									7170M6			
SBE 9+									FLUOR S/N													
PRESS SN									SBE43-Oxy (prime)													
PRI TEMP SN									SBE43-Oxy (sec)													
SEC TEMP SN									Transmissometer													
PRI COND SN									PAR S/N													
SEC COND SN									O2 Tmp Sensor No.													
NIS	DEPTH	Roset.	Hydro Team-PMEL		Weingartner	Other																
No.	DESIRED	notes	SALT	NUTS	02-Btl.No	02 Temp	CHL.	Frac CHL.	018													
1	R.A.	107	X 5	47																		1
3	55		48																			3
5	43		49																			5
7	37		50																			7
9	27		51																			9
11	10		52	168																		11
13	5		54																			13
15																						15
17																						17
19																						19
21																						21
23																						23

Comments:

Rosette Notes:

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VESSEL R/V Melville		CRUISE ID ME0823		PROJECT & LEG PMEL/EcoFOCI		Ship Designation (I.D.)						STATION NO.					
CONSC CAST #	LATITUDE DEG MIN	LONGITUDE DEG MIN		DAY	MO	YR	TIME (GMT)		DRY BULB (°C)	WET BULB (°C)	PRESSURE (mb)	SEA STATE * * (deg)	WIND DIRN. * * (kts)	WIND SPD. * * TYPE	CLOUD (amt) WEATHER	BOTTOM DEPTH	STA. NAME/ID
		DEG	MIN				HR	MIN									
118565	11.42	N	16507.42	W	05	S	E	P	08	1133	7.8	.	11	28413	17470	M5	
SBE 9+																	MAX. DEPTH =
PRESS SN																	m
PRI TEMP SN																	
SEC TEMP SN																	
PRI COND SN																	
SEC COND SN																	
NIS	DEPTH	Roset.	Hydro Team-PMEL				Weingartner										
No.	DESIRED	notes	SALT	NUTS	02-Btl.No	02 Temp	CHL.	Frac CHL.	018								NIS
1	B61	68		54	X	N0				1184							No.
3	50			55			'										1
5	40			56			'										3
7	30			57			'										5
9	20			58			'										7
11	10			59			'			1185							9
13	0			60			'										11
15																	13
17																	15
19																	17
21																	19
23																	21
																	23

Comments:

Rosette Notes:

VESSEL R/V Melville		CRUISE ID ME0823		PROJECT & LEG PMEL/EcoFOCI		Ship Designation (I.D.)										STATION NO.				
CONSC CAST #	LATITUDE DEG MIN	LONGITUDE DEG MIN		DAY	MO	YR	HR	MIN	TIME (GMT) (*C)	DRY BULB (*C)	WET BULB (*C)	PRESSURE (mb)	* SEA STATE	* VISIBILITY	WIND DIRN. (deg)	WIND SPD. (kts)	WIND CLOUD (amt)	WEATHER TYPE	BOTTOM DEPTH (m)	STA. NAME/ID
11	95°54'.555 N	164°49'.581 W	55 S E P 08	13	15	7.9	8.0	17	28414										72	7014
SBE 9+									FLUOR S/N										MAX. DEPTH =	m
PRESS S/N									SBE63-Oxy (prime)											
PRI TEMP S/N									SBE43-Oxy (sec)											
SEC TEMP S/N									Transmissometer											
PRI COND S/N									PAR S/N											
SEC COND S/N									O2 Tmp Sensor No.											
NIS	DEPTH	Roset.		Hydro Team-PMEL		Weingartner		Other												
No.	DESIRED	notes		SALT	NUTS	O2-Btl.No	O2 Temp	CHL.	Frac CHL.	018									NIS	No.
1	Bot	14		X 11	61														1	
3	50				62														3	
5	40				43	X 144													5	
7	30				64														7	
9	20				65														9	
11	10				66														11	
13	0				67														13	
15																			15	
17																			17	
19																			19	
21																			21	
23																			23	

Comments:

BOX  
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Rosette Notes:

VESSEL R/V Melville		CRUISE ID ME0823		PROJECT & LEG PME/EcoFOCI		Ship Designation (ID.)						STATION NO.						
CONSC CAST #	LATITUDE		LONGITUDE		DAY	MO	YR	TIME (GMT) HR MIN (°C)	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					*	*	*	*	*	*	*	*	*		
120564	48.52	16434.98	05S	W	08	1439	17.5	17.7	17.7	17.7	1012	28	14	14	14	173	7613	
SBE 9+																	MAX DEPTH =	
PRESS SN																	m	
PRI TEMP SN																		
SEC TEMP SN																		
PRI COND SN																		
SEC COND SN																		
NIS DEPTH	Roset.	Hydro Team-PME						Weingartner	Other						NIS			
No.	DESIRED notes	SALT	NUTS	O2-Btl.No	O2 Temp	CHL.	Frac CHL.	018							No.			
1	168	68	205												1			
3	50	69													3			
5	40	70													5			
7	30	71													7			
9	20	72													9			
11	10	73													11			
13	0	74	X												13			
15															15			
															17			
															19			
															21			
															23			

VESSEL R/V Melville		CRUISE ID ME0823		PROJECT & LEG PMEL/EcoFOCI		Ship Designation (I.D.)						STATION NO.						
CONSC CAST #	LATITUDE		LONGITUDE				TIME (GMT)	DRY BULB	WET BULB	PRESSURE	SEA STATE	WIND	WIND	CLOUD (amt)	BOTTOM	STA. NAME/ID		
	DEG	MIN	DEG	MIN	DAY	MO	YR	HR	MIN	(°C)	(°C)	(mb)	*	*	(deg)	(kts)	*	*
1215	653.98	N	16403.	18	W	05	S	08	1812	5.7	8.6	17	253	10	770	142	M2	
SBE 9+										FLUOR SN								MAX. DEPTH =
PRESS SN										SBE43-Oxy (prime)								m
PRI TEMP SN										SBE43-Oxy (sec)								
SEC TEMP SN										Transmissometer								
PRI COND SN										PAR S/N								
SEC COND SN										O2 Temp Sensor No.								
NIS	DEPTH	Roset.	Hydro Team-PMEL				Weingartner	Other										NIS
No.	DESIRED notes		SALT	NUTS	02-Btl.No	02 Temp	CHL.	Frac CHL.	018									No.
1	BoT	65		75						457								1
3	56			76														3
5	46			77														5
7	30			78														7
9	20			79														9
11	10		X 17	80	x 146					MSX								11
13	0			81						MS9								13
15																		15
17																		17
19																		19
21																		21
23																		23

Comments:

Rosette Notes:

### Comments:

### Rosette Notes:

VESSEL R/V Melville		CRUISE ID ME0823		PROJECT & LEG PMEL/EcoFOCI		Ship Designation (ID.)						STATION NO.					
CONSC CAST #	LATITUDE MIN.	LONGITUDE DEG MIN.		DAY	MO	YR	HR	MIN	TIME (GMT) (*C)	DRY BULB (*C)	WET BULB (*C)	PRESSURE (mb)	SEA STATE * * (deg)	WIND DIRN. SPD. (kts)	WIND CLOUD (amt) TYPE	BOTTOM WEATHER DEPTH (m)	STA. NAME/ID
1235645.98	N	164	19.91	W	05	S	E	P	082233	8.3	8.0	183727	078	73	M2W		
SBE 9+									FLUOR S/N							MAX. DEPTH = 68 m	
PRESS SN									SBE43-Oxy (prime)								
PRI TEMP SN									SBE43-Oxy (sec)								
SEC TEMP SN									Transmissometer								
PRI COND SN									PAR S/N								
SEC COND SN									O2 Tmp Sensor No.								
NIS DEPTH	Roset.	Hydro Team-PMEL		Weingartner		Other											
No.	DESIRED notes	SALT	NUTS	02-Btl.No	02 Temp	CHL.	Frac CHL.	018								NIS No.	
1 58		23	89	187												1	
3 50		23	89													3	
5 40		21														5	
7 30		21														7	
9 20		21														9	
11 10		21														11	
13 8		21														13	
15																15	
17																17	
19																19	
21																21	
23																23	

Comments:

Rosette Notes:

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VESSEL R/V Merville		CRUISE ID MF0823		PROJECT & LEG PMEL/EcoFOCI		Ship Designation (I.D.)						STATION NO.								
CONSC CAST #		LATITUDE		LONGITUDE		TIME (GMT)			DRY BULB	WET BULB	PRESSURE	SEA STATE	WIND DIRN	WIND WIND SD.	CLOUD (amt)	TYPE	WEATHER	BOTTOM DEPTH	STA. NAME/ID	
		DEG	MIN	DEG	MIN	DAY	MO	YR	HR	MIN	(°C)	(°C)	(mb)	*	*	(deg)	(kts)	*	(m)	
1	24	57.0	.04	N	164	12.90	W	066	S	E P 0 8	0030	8.2	7.8	1	737	287	068	70		
SBE 9+											FLUOR S/N									
PRESS S/N											SBE43-Oxy (prime)									
PR TEMP S/N											SBE43-Oxy (sec)									
SEC TEMP S/N											Transmissometer									
PR COND S/N											PAR S/N									
SEC COND S/N											O2 Temp Sensor No.									
Ns	DEPTH	Roset.		Hydro Team-PMEL						Weingartner		Other								
No.	DESIRED	notes		SALT	NUTS	02-BH1, No	02 Temp	CHL.	Frac CHL.	018									Ns	
1	64										96								1	
3	50										97		/						3	
5	40										98		/						5	
7	30										99		/						7	
9	20										100		/						9	
11	10										101		/						11	
13	0										102	91	/						13	
15																			15	
17																			17	
19																			19	
21																			21	
23																			23	

Comments:

Rosette Notes:

VESSEL R/V Melville	CRUISE ID ME0823	PROJECT & LEG PMEL/EcoFOCI		Ship Designation (!D.)						STATION NO.									
		CONSC CAST #	DEPTH	LATITUDE		LONGITUDE		TIME (GMT)	DRY BULB	WET BULB	PRESSURE	SEA STATE	WIND DIRN	WIND SPD.	CLOUD (amt)	BOTTOM	STA. NAME/ID		
	DEG	MIN	DEG	MIN	DAY	MO	YR	HR	MIN	(°C)	(°C)	(mb)	*	*	(deg)	(kts)	*	*	(m)
1	2	5	5	6	56	46	N	16	35	0	.14	W	06	S E P	0	8	02	17	8.4
2	1	7	1	7	8	.	7	7	17	38	30	5	04	8	6	7			
3	2	1	8	4	7	7	17	38	30	5	04	8	6	7					
4	2	1	8	4	7	7	17	38	30	5	04	8	6	7					
5	2	1	8	4	7	7	17	38	30	5	04	8	6	7					
6	2	1	8	4	7	7	17	38	30	5	04	8	6	7					
7	2	1	8	4	7	7	17	38	30	5	04	8	6	7					
8	2	1	8	4	7	7	17	38	30	5	04	8	6	7					
9	2	1	8	4	7	7	17	38	30	5	04	8	6	7					
10	2	1	8	4	7	7	17	38	30	5	04	8	6	7					
11	2	1	8	4	7	7	17	38	30	5	04	8	6	7					
12	2	1	8	4	7	7	17	38	30	5	04	8	6	7					
13	2	1	8	4	7	7	17	38	30	5	04	8	6	7					
14	2	1	8	4	7	7	17	38	30	5	04	8	6	7					
15	2	1	8	4	7	7	17	38	30	5	04	8	6	7					
16	2	1	8	4	7	7	17	38	30	5	04	8	6	7					
17	2	1	8	4	7	7	17	38	30	5	04	8	6	7					
18	2	1	8	4	7	7	17	38	30	5	04	8	6	7					
19	2	1	8	4	7	7	17	38	30	5	04	8	6	7					
20	2	1	8	4	7	7	17	38	30	5	04	8	6	7					
21	2	1	8	4	7	7	17	38	30	5	04	8	6	7					
22	2	1	8	4	7	7	17	38	30	5	04	8	6	7					
23	2	1	8	4	7	7	17	38	30	5	04	8	6	7					

Comments:

Rosette Notes:

30Y  
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VESSEL R/V Melville		CRUISE ID ME0823		PROJECT & LEG PMEL/EcoFOCI		Ship Designation (ID.)						STATION NO.									
CONSC CAST #		LATITUDE		LONGITUDE		DAY	MO	YR	TIME (GMT)	DRY BULB	WET BULB	PRESSURE	SEA STATE	WIND	WIND	CLOUD (amt)	TYPE	WEATHER	BOTTOM	STA. NAME/ID	
		DEG	MIN	DEG	MIN				( <sup>o</sup> C)	( <sup>o</sup> C)	(mb)	.	.	(deg)	(kts)	.	.	(m)			
126	5723.64	16	33	11.39	W	06	S E P	08	0525	8.3	7.9	1028	215	028		53			CN3		
SBE 9+				FLUOR S/N																	
PRESS SN				SBE43-Oxy (prime)																	
PRI TEMP SN				SBE43-Oxy (sec)																	
SEC TEMP SN				Transmissometer																	
PRI COND SN				PAR S/N																	
SEC COND SN				O2 Tmp Sensor No.																	
NIS	DEPTH	Roset.		Hydro Team/PMEL		Wingartner		Other													
No.	DESIRED	notes		SALT	NUTS	02-BTL No	02 Temp	CHL.	Frac CHL.	018									NIS		
1	47				110														No.		
3	40				111														1		
5	30				112														3		
7	22				113														5		
9	18				114														7		
11	10				115	119													9		
13																			11		
15																			13		
17																			15		
19																			17		
21																			19		
23																			21		
Comments:																					
Rosette Notes:																					

Odd trace received at 15 mpm (not 30)  
Bottom popped on cast 127

Wingartner

050126

VESSEL R/V Melville		CRUISE ID ME0823		PROJECT & LEG PMEL/EcoFOCI		Ship Designation (I.D.)				STATION NO.									
CONSC CAST #		LATITUDE		LONGITUDE		TIME (GMT)	DRY BULB	WET BULB	PRESSURE	SEA STATE	WIND DIRN	WIND SPD.	CLOUD (amt)	TYPE	BOTTOM	STA NAME/ID			
		DEG	MIN	DEG	MIN	DAY	MO	YR	HR	MIN	(°C)	(°C)	(mb)	*	*	(deg)	(kts)	*	*
		127	57	23	.65	N	16	33	1	.34	W	06	S	E	P	0	8	0533	53
SBE 9+																			
PRESS SN																			
PRI TEMP SN																			
SEC TEMP SN																			
PRI COND SN																			
SEC COND SN																			
O2 Tmp Senson No.																			
Ns	DEPTH	Roset:		Hydro Team-PMEL				Weingartner		Other									
No.	DESRED	notes	SALT	NUTS	02-Btl.No	02 Temp	CHL.	Frac CHL.	018										Ns No.
1	47					110					93								1
3	48					111													3
5	30					112													5
7	20					113													7
9	10					114	119				94								9
11	5					115	111				95								11
13																			13
15																			15
17																			17
19																			19
21																			21
23																			23

Comments:

Rosette Notes:

VESSEL R/V Melville		CRUISE ID ME0823		PROJECT & LEG PME/ECOFOCL		Ship Designation (I.D.)		STATION NO.									
CONSC CAST #	LATITUDE		LONGITUDE		TIME (GMT)		DRY BULB	WET BULB	PRESSURE	SEA STATE	WIND	WIND	CLOUD (amt)	BOTTOM	STA NAME/ID		
	DEG	MIN	DEG	MIN	DAY	MO	YR	HR	MIN	(°C)	(°C)	(mb)	DIRN	SRD.	TYPE	WEATHER	
128570.85 N	16347.86 W	06 SEP 08	0734	8.6	7.4	15383	243048									CW4	
SBE 9+			FLUOR S/N														
PRESS SN			SBE43-Oxy (prime)														
PRI TEMP SN			SBE43-Oxy (sec)														
SEC TEMP SN			Transmissometer														
PRI COND SN			PAR S/N														
SEC COND SN			O2 Tmp Sensor No.														
NIS DEPTH	Ropel.		Hydro Team-PME		Wingate		Order										
No.	DESIRED	notes	SALT	NUTS	02-BR1, No	02 Temp	CHL.	Frac CHL.	018								NIS No.
1	62		10	116	92				96								1
3	58			117													3
5	40			118													5
7	30			119													7
9	20			120													9
11	18			121					97								11
13	0			122					98								13
15																	15
17																	17
19																	19
21																	21
23																	23

Comments:

Rosette Notes:

BOX 4

VESSEL R/V Melville		CRUISE ID ME0823		PROJECT & LEG PMEL/ECCO/OC1		Ship Designation (I.D.)						STATION NO. C N -5			
CONSC CAST #	LATITUDE		LONGITUDE		TIME (GMT)			DRY BULB	WET BULB	PRESSURE	SEA STATE	WIND	WIND	CLOUD (amt)	STA. NAME/ID
	DEG	MIN	DEG	MIN	DAY	MO	YR	(°C)	(°C)	(mb)	*	(deg)	(kts)	TYPE	
1295653.97 N	16452.20 W	0635 E	080931	8.4	87.3	15	0162	82		72	C N	5	M		
SBE 9+															
PRESS SN															
PRI TEMP SN															
SEC TEMP SN															
PRI COND SN															
SEC COND SN															
NIS DEPTH	Roset.	Hydro Team-PMEL						Weingartner	Other						NIS
No.	DESIRED	notes	SALT	NUTS	02-Btl.No	02 Temp	CHL.	Frac CHL.	018						No.
1	65			123	X/18										1
3	50			124											3
5	40			125											5
7	30			126											7
9	20			127											9
11	10			128											11
13	0			129											13
15															15
17															17
19															19
21															21
23															23

Comments:

Rosette Notes:

02 118

M2

VESSEL R/V Melville		CRUISE ID ME0823		PROJECT & LEG PMEL/EcoFOCI		Ship Designation (ID.)						STATION NO.					
CONSC CAST #	LATITUDE		LONGITUDE		TIME (GWT)			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	YR										
13054.92	26	N	16430.46	W	06	S E P	08	11	41	8.6	8.2	13	065	10	75	CNA	6
SBE 9+								FLUOR S/N								MAX DEPTH	m
PRESS SN								SBE43-Oxy (sec)									
PRI TEMP SN								Transmissometer									
SEC TEMP SN								PAR S/N									
PRI COND SN								O2 Tmp Selson No.									
SEC COND SN																	
NIS	DEPTH	ROSET.	Hydro Team-PMEL				Weingartner	Other		NIS		No.		REMARKS			
No.	DESIRED	notes	SALT	NUTS	02-Btl. No	02 Temp	CHL.	Frac CHL.	018								
1	70			130	X097												1
3	50			131													3
5	40			132													5
7	30			133													7
9	20			134													9
11	10			135	02												11
13	0			136													13
15																	15
17																	17
19																	19
21																	21
23																	23

Comments:

Rosette Notes:

B5N 4

VESSEL R/V Melville		CRUISE ID ME0823		PROJECT & LEG PMEU/EcoFOCL		Ship Designation (I.D.)		STATION NO.												
CONSC CAST #	LATITUDE		LONGITUDE		DAY	MO	YR	TIME (GMT)	DRY BULB	WET BULB	PRESSURE	SEA STATE	WIND	WIND	CLOUD (amt)	TYPE	WEATHER	BOTTOM	STA. NAME/ID	
	DEG	MIN	DEG	MIN				HR	MIN	(°C)	(°C)	(mb)	*	*	(deg)	(kts)	*	*	(m)	
131	54	33.86	N	164	54.40	W	08	13	16	8.7	8.3	1051	11	0	78	78	cN07			
SBE 9+										#FLUOR S/N										
PRESS SN										SBE43-Oxy (prime)										
PRI TEMP SN										SBE43-3-day (sec)										
SEC TEMP SN										Transmissometer										
PRI COND SN										PAR S/N										
SEC COND SN										O2 Tino Senson No										
NIS DEPTH	Roset.		Hydro Team/PTEL		Wettingnet		Other		NIS											
No	DESRED	notes	SALT	NUTS	O2-Btl No	O2 Temp	CHL	Frac CHL.	018										No	
1	72			137															1	
3	50			138															3	
5	40			139															5	
7	38			140															7	
9	20			141															9	
11	10			142	x 240														11	
13	0			143															13	
15																			15	
17																			17	
19																			19	
21																			21	
23																			23	

Comments:

Rosette Notes:

### Comments:

Rosette Notes:

VESSEL R/V Melville		CRUISE ID MF0823		PROJECT & LEG PMEL/ECOFOCI		Ship Designation (ID.)						STATION NO.									
CONSC CAST #		LATITUDE		LONGITUDE		DAY	MO	YR	HR	MIN	TIME (GMT)	DRY BULB (*C)	WET BULB (*C)	PRESSURE (mb)	SEA STATE	WIND DIRN (deg)	WIND SPD. (kts)	CLOUD (amt)	TYPE WEATHER	BOTTOM DEPTH (m)	STA NAME/ID
DEG	MIN	DEG	MIN	DAY	MO	YR	HR	MIN	*	*	(deg)	(kts)	*	*	(m)						
133	35	6.16	11	N	165	42.25	W	86	S	E	SEP 08	1705	9.0	8.9	08	032	17	91	CNO9		
SBE 9+											FLUOR S/N										
PRESS SN											SBE43-Oxy (prime)										
PRI TEMP SN											SBE43-Oxy (sec)										
SEC TEMP SN											Transmissometer										
PRI COND SN											PAR/S/N										
SEC COND SN											02 Tmp Sensor No.										
NIS	DEPTH	Roset.		Hydro Team-PMEL		Weingartner		Other													
No.	DESIRED	notes	SALT	NUTS	02-BN/No	02 Temp	CHL.	Frac CHL.	018												
1	100	86		153																	
3	60	66		153																	
5	50			154																	
7	40			155																	
9	30			156																	
11	20			157																	
13	10			158																	
15	0			159	*105																
17																					
19																					
21																					
23																					

Comments:

Rosette Notes:

91 CNO9

Jelly in S2 on upcast  
Slight green at ~30m on upcast

NIS No.

VESSEL R/V Melville		CRUISE ID ME0823		PROJECT & LEG PMEL/EcoFOCI		Ship Designation (I.D.)						STATION NO.										
CONSC CAST #	LATITUDE 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
									(°C)	(°C)	(mb)	*	*	(deg)	(kts)	*	*	(m)				
134	56.08.20 N	166	36.31 W	OBS E P	08	1922	9.	2	9.2										16517	107EN10		
SBE 9+									FLUOR S/N												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 Tmp Sensor No.													
NIS DEPTH	Roset.	Hydro Team-PMEL							Weingartner													
No. DESIRED	notes	SALT	NUTS	02-Btl.No	02 Temp	CHL.	Frac CHL.	018														
1	BOT 104	160	061																			
3	75		161																			1
5	50		162																			3
7	40		163																			5
9	30		164																			7
11	20		165																			9
13	10		166																			11
15	0		167																			13
17																						15
19																						17
21																						19
23																						21
																						23

Comments:

Rosette Notes...

VESSEL R/V Melville		CRUISE ID ME0823		PROJECT & LEG PME/EcoFOCI		Ship Designation (I.D.)						STATION NO.				
CONSC CAST #	LATITUDE		LONGITUDE		TIME (GMT)			DRY BULB	WET BULB	PRESSURE	SEA STATE	WIND	WIND	CLOUD (amt)	BOTTOM	STA. NAME / ID
	DEG	MIN	DEG	MIN	DAY	MO	YR	(°C)	(°C)	(mb)	•	•	(deg)	(kts)	•	(m)
135559.22 N	16630.66 W	06 SEP 08	2124	9.4	8.7	05480122	208	127	5 N 11							
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-PME			Wangerter			Other			NIS				
No.	DESRED notes	SALT	NUTS	02-Btl No	02 Temp	CHL.	Frac CHL.	018				No.				
1	118		168	69								1				
3	100		169									3				
5	25		170									5				
7	50		171		/							7				
9	40		172		/							9				
11	30		173		/							11				
13	20		41		/							13				
15	10				/							15				
17	5		176		/							17				
19												19				
21												21				
23												23				

Comments:

Rosette Notes:

VESSEL R/V Melville		(CRUISE ID) ME0823		PROJECT & LEG PMEL/EcoFOCI		Ship Designation (ID.)						STATION NO.				
CONSC CAST #		LATITUDE		LONGITUDE		TIME (GMT)	DRY BULB	WET BULB	PRESSURE	SEA STATE	WIND	WIND	CLOUD (amt)	TYPE	BOTTOM	STA NAME/ID
	DEG	MIN	DEG	MIN	DAY	MO	YR	(°C)	(°C)	(mb)	(deg)	(kts)	*	*	(m)	
136	55	51.02	N	166	54.57	W	06	S E P 08	2337	9.4	9.0	0.34	8626	208	134	CN12
SBE 9+																
PRESS SN																
PRI TEMP SN																
SEC TEMP SN																
PRI COND SN																
SEC COND SN																
NIS	DEPTH	Roset.		Hydro Team-PMEL		Wangermet		Otter		Nis No.						
No.	DESIRED	notes	SALT	NUTS	02-BTL No	02 Temp	CHL.	Frac CHL.	018							
1	124		94	177	106											1
3	100			178												3
5	72			179												5
7	50			180												7
9	40			181												9
11	30			182												11
13	20			183												13
15	10			184												15
17	0			185												17
19																19
21																21
23																23

Comments:

Rosette Notes:

VESSEL R/V Melville		CRUISE ID ME0823		PROJECT & LEG PMEL/EcoFOCL		Ship Designation (I.D.)						STATION NO.				
CONSC CAST #	LATITUDE		LONGITUDE		TIME (GMT)			DRY BULB	WET BULB	PRESSURE	SEA STATE	WIND	WIND	CLOUD (amt)	BOTTOM	STA. NAME/ID
	DEG	MIN	DEG	MIN	DAY	MO	YR	HR	MIN	(°C)	(°C)	(mb)	*	(deg)	(kts)	(m)
137	55	41	87	N	16	71	8	20	08	16.0	16.8	1034	8022	237	135	CN-13
SBE 9+										FLUOR S/N						
PRESS SN										SBE43-DY (prime)						
PRI TEMP SN										SBE43-DY (sec)						
SEC TEMP SN										Transmissometer						
PRI COND SN										PAR S/N						
SEC COND SN										O2 Temp Sensor No.						
NIS	DEPTH	Roset.		Hydro Team-PMEL			Wiegandner			Other		Nis		No.		
No.	DESIRED	notes	SALT	NUTS	02-Btl No	02 Temp	CHL.	Frac CHL.	018							
1	126				186	80										1
3	100				1											3
5	75				2											5
7	50				3											7
9	40				4											9
11	30				5											11
13	20				6											13
15	10				7											15
17	8				8											17
19																19
21																21
23																23

Comments:

Rosette Notes:

VESSEL R/V Melville		CRUISE ID ME0823		PROJECT & LEG PMEL/EcoFOCI		Ship Designation (I.D.)						STATION NO.							
CONSC CAST #		LATITUDE		LONGITUDE				TIME (GMT)	DRY BULB	WET BULB	PRESSURE	SEA STATE	WIND	WIND	CLOUD (amt)	TYPE	BOTTOM	STA. NAME/ID	
		DEG	MIN	DEG	MIN	DAY	MO	YR	HR	MIN	(°C)	(°C)	(mb)	•	(deg)	(kts)	•	(m)	
138	5533.	16	N	16742.	55	W	07	S E P	08	0341	9.3	8.5	0248	064228	136	Ch. 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															
NIS DEPTH	roset.	Hydro Team-PMEL						Wingate		Other									
No DESRED notes		SALT	NUTS	02-BR:No	02 Temp	CHL.	Frac CHL.	018										No	
1 128		15	9	64														1	
3 100				10														3	
5 75				11														5	
7 50				12														7	
9 40				13														9	
11 30				14														11	
13 20				15														13	
15 10				16														15	
17 0				17														17	
19																		19	
21																		21	
23																		23	

Comments:

Rosette Notes:

VESSEL R/V Melville		CRUISE ID ME0823		PROJECT & LEG PME/EcoFOCI		Ship Designation (I.D.)						STATION NO.							
CONSC CAST #	LATITUDE		LONGITUDE		DAY	MO	YR	TIME (GMT)	DRY BULB (°C)	WET BULB (°C)	PRESSURE (mb)	SEA STATE	WIND DIRN. (deg)	WIND SPD. (kts)	CLOUD (amt)	TYPE	WEATHER	BOTTOM	STA. NAME/ID
	DEG	MIN	DEG	MIN				HR	MIN										
13955.24	31	N	16800	13	W	07	S E P	08	65	17	9.3	8.6	024	83	24	178	208	CN-16	
SBE 9+			FLUOR S/N																
PRESS SN			SBE43-Dry (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-PME						Weingartner										
No.	DESIRED	notes	SALT	NUTS	O2-Btl No	O2 Temp	CHL.	Frac CHL.	018									NIS	
1	199			18	200													1	
3	150			19														3	
5	180			20														5	
7	75			21														7	
9	50			22														9	
11	40			23														11	
13	30			24														13	
15	20			25														15	
17	10			26														17	
19	0			27														19	
21																		21	
23																		23	

Comments:

Rosette Notes:

VESSEL R/V Melville		CRUISE ID ME0823		PROJECT & LEG PMEL/ECG/OC1				Ship Designation (I.D.)				STATION NO.										
CONSC CAST #		LATITUDE		LONGITUDE		DAY	MO	YR	HR	MIN	TIME (GMT)	DRY BULB	WET BULB	PRESSURE	SEA STATE	VISIBILITY	WIND	WIND	CLOUD (amt)	WEATHER	BOTTOM	STA. NAME/ID
DEG	MIN	DEG	MIN	DAY	MO	YR	HR	MIN	(°C)	(°C)	(mb)	*	*	(deg)	(kts)	*	*	(m)				
140	55	15	64	N	168	15	34	W	07	S E P	08	0832	9.0	8.2	2024	7329	188	1597	LL4			
SBE 9+																						
PRESS SN																						
PR TEMO SN																						
SEC TEMP SN																						
PRI COND SN																						
SEC COND SN																						
NIS DEPTH	Roset.	Hydro Team-PMEL				Weninger				Other				NIS		No.		MAX DEPTH =				
No.	DESIRED notes	SALT	NUTS	02-Btl No	02 Temp	CHL.	Frac CHL.	018														
1	Bo	15.00	7.21	28	74																	1
3	100	✓		29	153																	3
5	500	✓		30	1686																	5
7	300	✓		31	1675																	7
9	200	✓		32	175																	9
11	100	✓		33																		11
13	50	✓		34																		13
15	40	✓		35																		15
17	30	✓		36																		17
19	20	✓		37																		19
21	10	✓		38																		21
23	0			39				✓														23

Comments:

Rosette Notes:

VESSEL R/V Melville		CRUISE ID ME0823		PROJECT & LEG PMEL/ECOFOCI		Ship Designation (I.D.)		STATION NO.								
CONSC CAST #	LATITUDE DEG MIN	LONGITUDE DEG MIN	DAY	MO	YR	TIME (GMT) HR MIN	DRY BULB °C	WET BULB °C	PRESSURE (mb)	SEA STATE VISIBILITY	WIND DIRN. (deg)	WIND SPD. (kts)	CLOUD (amt) TYPE WEATHER	BOTTOM DEPTH (m)	STA. NAME/ID	
1415506.9	1 N	16829.03 W	07 SEP	08	0950	71.5	15	15	1005	30517	1736	11.5	MAX DEPTH = 55 m			
SBE 9+						FLUOR S/N										
PRESS S/N						SBE43-Oxy (prime)										
PRI TEMP S/N						SBE43-Oxy (sec)										
SEC TEMP S/N						Transmissometer										
PRI COND S/N						PAR S/N										
SEC COND S/N						O2 Tmp Sensor No										
NIS	DEPTH	Roset.	Hydro Team-PMEL				Weingartner	Other				NIS No.				
No.	DESIRED notes	SALT	NUTS	02-Btl No	02 Temp	CHL.	Frac CHL.	018								
1	1500	1	42	40	1072											1
3	1200	1	#	41	x068											3
5	1000	1	42	147												5
7	800	1	743	43	x058											7
9	600	1	probable 68	44	x130											9
11	400	1	45	x121												11
13	50	1	46		1283											13
15	40	1	47		1285											15
17	30	1	48		1289											17
19	20	1	49		1283											19
21	10	1	50		139											21
23	0	1	51		128											23

Comments:

Rosette Notes:

VESSEL R/V Melville		CRUISE ID ME0823		PROJECT & LEG PMEI/EcoFOCI		Ship Designation (I.D.)						STATION NO. MORNING								
CONSC CAST #	LATITUDE		LONGITUDE		DAY	MO	YR	TIME (GMT)	DRY BULB (°C)	WET BULB (°C)	PRESSURE (mb)	SEA STATE	WIND DIRN (deg)	WIND SPEED (kts)	CLOUD (amt)	TYPE	WEATHER	BOTTOM DEPTH	STA. NAME/ID	
	DEG	MIN	DEG	MIN				HR	MIN			*	*	(deg)	(m)					
14	12	54	42.	41	N	166	38.	33	W	07	S E P	0	8	1835	8.4	8.404	260	18	437	M9
SBE 9+																				
PRESS SN																				
PRI TEMP SN																				
SEC TEMP SN																				
PRI COND SN																				
SEC COND SN																				
NIS	DEPTH	Roset.		Hydro Team+PMEI				Weingartner		Other										
No.	DESIRED	notes		SALT	NUTS	O2-Btl No	O2 Temp	CHL.	Frac CHL.	O18									NIS	
1	400																		1	
3																			3	
5																			5	
7																			7	
9																			9	
11	300																		11	
13	300																		13	
15	200																		15	
17	200																		17	
19																			19	
21																			21	
23																			23	

Comments:

Rosette Notes:

VESSEL R/V Melville		CRUISE ID ME0823		PROJECT & LEG PMEL/EcoFOCI		Ship Designation (I.D.)						STATION NO.					
CONSC CAST #	LATITUDE		LONGITUDE		TIME (GMT)			DRY BULB	WET BULB	PRESSURE	SEA STATE	WIND	WIND	CLOUD (amt)	TYPE	BOTTOM	STA NAME/ID
	DEG	MIN	DEG	MIN	DAY	MO	YR	(°C)	(°C)	(mb)	*	*	(deg)	(kts)	*	*	(m)
143.5445	08	N	166.03	04	W	07	S E P 08	2231	9.7	8.6	05	48	23	8	188	224	V P N
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 Sienson No.														
NIS	DEPTH	Roset.	Hydro Team PMEL					Wangerster		Other		REMARKS CTD 143					
No.	DESIRED	notes	SALT	NUTS	O2 Brt/No	O2 Temp	CHL.	Frac CHL.	018								
1	212		414	57	198												
3	150		53														1
5	100		54														3
7	75		55														5
9	50		56														7
11	40		57														9
13	30		58														11
15	20		59														13
17	10		60														15
19	0		61														17
21																	19
23																	21

Comments:

Rosette Notes:

VESSEL R/V Melville		CRUISE ID ME0823		PROJECT & LEG PMEL/EcoFOCI		Ship Designation (I.D.)						STATION NO.							
CONSC CAST #	LATITUDE		LONGITUDE				TIME (GMT)		DRY BULB	WET BULB	PRESSURE		WIND	WIND	CLOUD (amt)	WEATHER	BOTTOM	STA. NAME/ID	
	DEG	MIN	DEG	MIN	DAY	MO	YR	HR	MIN	(°C)	(°C)	(mb)	*	*	DIRN.	SPD.	TYPE	DEPTH	
1445448.74 N	16551.43 W	08S	08E	P08	0024	9.3	7.8	0548	236188	164	164	1010	*	*	(deg)	(kts)	*	*	(m)
SBE 9+																			
PRESS SN																			
PRI TEMP SN																			
SEC TEMP SN																			
PRI COND SN																			
SEC COND SN																			
NIS DEPTH	Roset.		Hydro Team-PMEL																
No.	DESIRED notes	SALT	NUTS	02-Btl.No	02 Temp	CHL.	Frac CHL.	018										NIS No.	
1	157		62	151														1	
3	100		63															3	
5	75		64															5	
7	50		65															7	
9	40		66															9	
11	30		67															11	
13	20		68															13	
15	10		69															15	
17	0		70															17	
19																		19	
21																		21	
23																		23	

Comments:

Rosette Notes:

VESSEL R/V Melville		CRUISE ID ME0823		PROJECT & LEG PMEL/EcoFOCI		Ship Designation (I.D.)						STATION NO.							
CONSC CAST #		LATITUDE		LONGITUDE		TIME (GMT)			DRY BULB	WET BULB	PRESSURE		SEA STATE	WIND	WIND	CLOUD (amt)	WEATHER	BOTTOM	STA. NAME/ID
	DEG	MIN		DEG	MIN	DAY	MO	YR	(°C)	(°C)	(mb)	*	*	(deg)	(kts)	*	*	(m)	
1	45	54	52.1	16	N	16	54	0	14	14	8.4	7.8	05	38	225	1	7.8	141	UPN3
SBE 9+																			
PRESS SN																			
PRI TEMP SN																			
SEC TEMP SN																			
PRI COND SN																			
SEC COND SN																			
NIS DEPTH	Roset.	Hydro Team-PMEL						Weingartner											
No DESIRED notes		SALT	NUTS	02-Btl.No	02 Temp	CHL.	Frac CHL.	018											
1 133		420	71	59															
3 100		72																	
5 75		73																	
7 50		74																	
9 40		75																	
11 30		76																	
13 20		77																	
15 10		78																	
17 0		79																	
19																			
21																			
23																			

Comments:

Rosette Notes:

Kink in barge some 2 hr delay prior to final cast

MAX DEPTH = 133 m

VESSEL R/V Melville		CRUISE ID ME0823		PROJECT & LEG PMEL/EcoFOCI		Ship Designation (I.D.)										STATION NO.							
CONSC CAST #	LATITUDE DEG MIN.	LONGITUDE DEG MIN.		DAY	MO	YR	TIME (GMT)			DRY BULB		WET BULB		PRESSURE		SEA STATE	VISIBILITY	WIND DIRN.	WIND SPD.	CLOUD (amt)	WEATHER	BOTTOM DEPTH	STA. NAME/ID
		DEG	MIN.				HR	MIN	(°C)	(°C)	(mb)	*	*	(deg)	(kts)								
146545	6.66	16528	.27	W	08	S E P 08	06	19	8.5	8.8	1064	7230	148	124	14	UPNY	n-4						
SBE 9+									FLUOR S/N														
PRESS SN									SBE43-Oxy (prime)														
PRI TEMP SN									SBE43-Oxy (sec)														
SEC TEMP SN									Transmissometer														
PRI COND SN									PAR S/N														
SEC COND SN									O2 Tmp Sensor No.														
NIS DEPTH	Roset.	Hydro Team-PMEL										Weingartner	Other										NIS
No.	DESIRED notes	SALT	NUTS	02-Btl.No	02 Temp	CHL.	Frac CHL.	018															No.
1	116					80																	1
3	160					81																	3
5	175					82																	5
7	50					83																	7
9	40					84																	9
11	30					85																	11
13	20					86																	13
15	10					87																	15
17	0					88	206																17
19																							19
21																							21
23																							23

Comments:

Rosette Notes:

VESSEL R/V Melville		CRUISE ID ME0823		PROJECT & LEG PMEL/EcoFOCI		Ship Designation (I.D.)						STATION NO.							
CONSC CAST #		LATITUDE		LONGITUDE		TIME (GMT)			DRY BULB	WET BULB	PRESSURE	SEA STATE	WIND	WIND	CLOUD (amt)	WEATHER	BOTTOM	STA. NAME/ID	
		DEG	MIN	DEG	MIN	DAY	MO	YR	HR	MIN	(°C)	(°C)	(mb)	*	*	(deg)	(kts)	*	(m)
14	75	45	9	23	N	16	51	7	66	W	08	SEP	08	07	32	8.1	7.9	0635	224138
SBE 9+																			
PRESS SN																			
PRI TEMP SN																			
SEC TEMP SN																			
PRI COND SN																			
SEC COND SN																			
NIS DEPTH	Roset.	Hydro Team-PMEL						Weingartner	Other						NIS				
No.	DESIRED notes	SALT	NUTS	02-Btl No	02 Temp	CHL.	Frac CHL.	018							No.				
1	108		H-1	88	182										1				
3	75			98											3				
5	85			91											5				
7	40			92											7				
9	32			93											9				
11	20			94											11				
13	10			95											13				
15	0			96											15				
17															17				
19															19				
21															21				
23															23				

Comments:

Rosette Notes:

VESSEL R/V Melville		CRUISE ID ME0823		PROJECT & LEG PME/Eco-DOCI		Ship Designation (I.D.)						STATION NO.								
CONSC CAST #	LATITUDE		LONGITUDE		TIME (GMT)			DRY BULB		WET BULB		PRESSURE		WIND DIRN.	WIND SPD.	CLOUD (amt)	WEATHER	BOTTOM DEPTH	STA. NAME/ID	
	DEG	MIN	DEG	MIN	DAY	MO	YR	HR	MIN	(°C)	(°C)	(mb)	*	*	(deg)	(kts)	*	*	(m)	
1	18	55	02	.75	N	16	50	6.4	7	08	S E P 0 8	49	42	8.1	8.2	06	24	910	UPN-6	
SBE 9+																				
PRESS SN																				
PRI TEMP SN																				
SEC TEMP SN																				
PRI COND SN																				
SEC COND SN																				
NIS DEPTH	Roset.		Hydro Team-PME			Weingartner		Other												
No.	DESIRED notes	SALT	NUTS	O2-Btl.No	O2 Temp	CHL.	Frac CHL.	018											NIS No.	
1	Bot	104				97													1	
3	15					98													3	
5	50					99													5	
7	40					100													7	
9	30					101													9	
11	20					102													11	
13	10					103	x060												13	
15	0					104													15	
17																			17	
19																			19	
21																			21	
23																			23	

Comments:

Rosette Notes:

VESSEL R/V Melville		CRUISE ID ME0823		PROJECT & LEG PMEL/EcoFOCI				Ship Designation (I.D.)						STATION NO.						
CONSC CAST #	LATITUDE DEG MIN	LONGITUDE DEG MIN		DAY	MO	YR	HR	MIN	TIME (GMT)		DRY BULB	WET BULB	PRESSURE	SEA STATE	WIND DIRN.	WIND SPD.	CLOUD (amt)	WEATHER	BOTTOM DEPTH	STA. NAME/ID
		(°)	(°)						(°C)	(°C)	(mb)	*	*	(deg)	(kts)	*	*	(m)		
14954	412.90 N	6447.12 W	S E P 08	11	57	7.6	7.5	05	12802	46	UP E3									
SBE 9+									FLUOR S/N										MAX. DEPTH =	
PRESS SN									SBE43-Oxy (prime)										m	
PRI TEMP SN									SBE43-Oxy (sec)											
SEC TEMP SN									Transmissometer											
PRI COND SN									PAR S/N											
SEC COND SN									O2 Tmp Sensor No.											
NIS	DEPTH	Roset.	Hydro Team-PMEL		Weingartner															
No.	DESIRED	notes	SALT	NUTS	02-BU,NO	02 Temp	CHL.	Frac CHL.	018										NIS	
1	30	41	105	X205															No.	
3	30		106																1	
5	20		107																3	
7	10		108																5	
9	0		107	109															7	
11																			9	
13																			11	
15																			13	
17																			15	
19																			17	
21																			19	
23																			21	
																			23	

Comments:

Rosette Notes:

VESSEL R/V Melville		CRUISE ID ME0823		PROJECT & LEG PMEL/EcoFOCI						Ship Designation (ID.)						STATION NO.						UP E2								
CONSC CAST #		LATITUDE			LONGITUDE			TIME (GMT)			DRY BULB		WET BULB		PRESSURE		SEA STATE		WIND		WIND		CLOUD (amt)		WEATHER		BOTTOM		STA. NAME/ID	
		DEG	MIN	DEG	MIN	DAY	MO	HR	MIN	(°C)	(°C)	(mb)	*	*	(deg)	(kts)	*	*	(m)	DIRN.	SPD.	TYPE	WEATHER	DEPTH	STA. NAME/ID					
1	50	54	49	16	51	N	16	45	30	13.0	13.0	1008	8.1	8.1	18.4	8.5	04	16307	74	6P(E2										
SBE 9+										FLUOR S/N																				
PRESS S/N										SBE43-Oxy (prime)																				
PRI TEMP S/N										SBE43-Oxy (sec)																				
SEC TEMP S/N										Transmissometer																				
PRI COND S/N										PAR S/N																				
SEC COND S/N										O2 Tmp Sensor No.																				
NIS	DEPTH	Roset.			Hydro Team-PMEL			Weingartner			Other		Other		Other		Other		Other		Other		Other		Other		Other			
No.	DESIRED	notes			SALT			02-Btl.No			02 Temp		CHL.		Frac CHL.		018		018		018		018		018		018			
1	BOT	70			110																									
3	50	111																												
5	40	112																												
7	30	113																												
9	20	114																												
11	10	115			1650																									
13	0	116																												
15																														
17																														
19																														
21																														
23																														

Comments:

Rosette Notes:

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VESSEL R/V Melville		CRUISE ID MEO823		PROJECT & LEG PME/EcoFOCI		Ship Designation (ID.)						STATION NO.							
CONSC CAST #		LATITUDE		LONGITUDE		TIME (GMT)	DRY BULB	WET BULB	PRESSURE	SEA STATE	WIND	WIND	CLOUD (amt)	WEATHER	BOTTOM	STA. NAME/ID			
		DEG	MIN	DEG	MIN	DAY	MO	YR	HR	MIN	(°C)	(°C)	(mb)	*	*	DIRN.	SPD. (kts)	TYPE	DEPTH (m)
15	54	56.	36	164	59.	78	W	C	14	35	7.8	7.8	04	26	101	UP E	E	92	
SBE 9+				FLUOR S/N													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	DEPTH	Roset.						Hydro Team-PWEL						Weingartner	Other				
No.	DESIRED	notes	SALT	NUTS	O2-Btl.No	O2 Temp	CHL.	Frac CHL.	018									NIS No.	
1	B6T		117															1	
3	70		118															3	
5	66		119	*317														5	
7	53		120															7	
9	44		121															9	
11	30		122															11	
13	20		123															13	
15	19		124															15	
17	8		125															17	
19																		19	
21																		21	
23																		23	

Comments:

Rosette Notes:

MORNING SIZE

VESSEL R/V Melville		CRUISE ID ME0823		PROJECT & LEG PMEL/EcoFOCI						Ship Designation (I.D.)						STATION NO.						
CONSC CAST #		LATITUDE		LONGITUDE				TIME (GMT)		DRY BULB	WET BULB	PRESSURE	SEA STATE	WIND DIRN.	WIND SPD.	CLOUD (amt)	WEATHER	BOTTOM DEPTH	STA. NAME/ID			
DEG	MIN	DEG	MIN	DAY	MO	YR	HR	MIN	(°C)	(°C)	(mb)	*	*	(deg)	(kts)	*	*	(m)				
15	25	55	0	1	64	N	64	43	1.45	5W	08	S	E	P	08	1625	77.7702	24102	74	SB1		
SBE 9+										FLUOR S/N	SBE43-Oxy (prime)	SBE43-Oxy (sec)	Transmissometer	PAR S/N	02 Temp Sensor No.	REMARKS		MAX. DEPTH =		m		
PRESS SN																						
PRI TEMP SN																						
SEC TEMP SN																						
PRI COND SN																						
SEC COND SN																						
NIS	DEPTH	Roset.						Hydro Team-PMEL						Weingartner	Other						NIS	
No	DESIRED	notes	SALT	NUTS	02-Btl.No	02 Temp	CHL.	Frac CHL.														No
1	130			126																		1
3	68																					3
5																						5
7																						7
9																						9
11																						11
13																						13
15																						15
17																						17
19																						19
21																						21
23																						23

VESSEL R/V Melville		CRUISE ID ME0823		PROJECT & LEG PMEL/EcoFOCI		Ship Designation (I.D.)						STATION NO.							
CONSC CAST #	LATITUDE		LONGITUDE		DAY	MO	YR	TIME (GMT)	DRY BULB	WET BULB	PRESSURE	SEA STATE	WIND DIRN.	WIND SPD.	CLOUD (amt)	WEATHER	BOTTOM	STA. NAME/ID	
	DEG	MIN	DEG	MIN				( <sup>o</sup> C)	( <sup>o</sup> C)	(mb)	*	*	(deg)	(kts)	*	*	(m)		
15354	13.53	N	16433.1	11W	08	S EP	08	2347	9.8	8.5	10038291183	1	123	URPA	1	URPA	1		
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		Weingartner		Other												
No.	DESIRED	notes	SALT	NUTS	O2-Btl No	O2 Temp	CHL.	Frac CHL.	018										
1	114			126	110													NIS No.	
3	100			127														1	
5	75			128														3	
7	50			129														5	
9	40			130														7	
11	30			131														9	
13	20			132														11	
15	10			133														13	
17	0			134	174													15	
19																		17	
21																		19	
23																		21	
																		23	

Comments:

Rosette Notes:

VESSEL R/V Nevelle		CRUISE ID ME0823		PROJECT & LEG PMEL/EcoFOCI		Ship Designation (I.D.)						STATION NO.			
(CONSC CAST #)	LATITUDE		LONGITUDE		TIME (GMT)	DRY BULB	WET BULB	PRESSURE	SEA STATE	WIND	WIND	CLOUD (amt)	BOTTOM	STA. NAME/ID	
	DEG	MIN	DEG	MIN	DAY	MO	YR	(°C)	(°C)	(mb)	(mb)	(deg)	(kts)	(m)	
1545416.00 N	16440.21 W	09'S E P 08	0312	8.9	8.6	0036289	178	90	4 PA2						
SBE 9+	<input type="checkbox"/>	FLUOR S/N	<input type="checkbox"/>	PRESS SN	<input type="checkbox"/>	SBE43-Oxy (prime)	<input type="checkbox"/>	PRI TEMP SN	<input type="checkbox"/>	SBE43-Oxy (sec)	<input type="checkbox"/>	Transmissometer	<input type="checkbox"/>	PAR S/N	<input type="checkbox"/>
SEC TEMP SN	<input type="checkbox"/>	PAR S/N	<input type="checkbox"/>	PRI COND SN	<input type="checkbox"/>	02 Tmp Sensor No.	<input type="checkbox"/>	SEC COND SN	<input type="checkbox"/>						
Ns DEPTH	Roset.	Hydro Team-PMEL					Weingartner	Other							
No DESIRED notes		SALT	NUTS	02-BR, No	02 Temp	CHL.	Frac CHL.	018							
1 86		H 19	135	x181											
3 50			136												
5 40			137												
7 30			138												
9 20			139												
11 10			140												
13 6			141												
15															
17															
19															
21															
23															

Comments:

Rosette Notes:

VESSEL R/V Metivier		CRUISE ID ME0823		PROJECT & LEG PME/EcoFOCL		Ship Designation (ID.)						STATION NO.							
CONSC	CAST #	LATITUDE		LONGITUDE		TIME (GMT)		DRY BULB	WET BULB	PRESSURE	SEA STATE	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)
		155	54.2	72	16	45	0	22	W	09	S E P 08	0431	8.7	18.4	004630	128	56	upA-3	
SBE 9+											FLUOR S/N								
PRESS SN											SBE43-OXY (prime)								
PRI TEMP SN											SBE43-OXY (sec)								
SEC TEMP SN											Transmissometer								
PRI COND SN											PAR S/N								
SEC COND SN											O2 Tmp Senson No.								
NIS	DEPTH	Roset.		Hydro Team PMEL		Wingartner		Other		NIS									
No.	DESRED notes	SALT	NUTS	O2-Btl No	O2 Temp	CHL	Frac CHL.	018										No.	
1	48					142												1	
3	46					143												3	
5	30					144												5	
7	20					145												7	
9	12					146	202											9	
11	0					147	202											11	
13																		13	
15																		15	
17																		17	
19																		19	
21																		21	
23																		23	

Comments:

Rosette Notes:

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VESSEL R/V McElvane		CRUISE ID ME0823		PROJECT & LEG PMEL/EcoFOCI		Ship Designation (I.D.)						STATION NO.				
CONSC CAST #	LATITUDE		LONGITUDE		TIME (GMT)	DRY BULB	WET BULB	PRESSURE	SEA STATE		WIND	WIND	CLOUD (amt)	BOTTOM	STA. NAME/ID	
	DEG	MIN	DEG	MIN	DAY	MO	YR	HR	MIN	(°C)	(°C)	(mb)	(deg)	(kts)	TYPE	WEATHER
1565426.50 N	16459.04 W	09 SEP 08	0525	8.4	8.2	0035	290	148		46	VP.S1				S-1	
SBE 9+			FILLER 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.													
Ns	DEPTH	ROSET.	Hydro Team-PMEL				Weingartner	Other								
No	DESIRED	notes	SALT	NUTS	O2-BH/No	O2 Temp	CHL.	Frac CHL.	018							
1	35		8-24	148	179		↓									
3	30			149			↓									
5	20			150			↓									
7	10			151			↓									
9	6			152			↓									
11																
13																
15																
17																
19																
21																
23																

Comments:

Rosette Notes:

VESSEL R/V Melville		CRUISE ID ME0823		PROJECT & LEG PMEL/EcoFOCI		Ship Designation (I.D.)						STATION NO.								
CONSC CAST #	LATITUDE	DEG	MIN	DEG	MIN	DAY	MO	YR	HR	MIN	TIME (GMT)	DRY BULB (°C)	WET BULB (°C)	PRESSURE (mb)	SEA STATE	WIND DIRN. SPD. (deg)	WIND CLOUD (amt)	WEATHER	BOTTOM DEPTH (m)	STA. NAME/ID
1575425	19	N	16568	42	W	09	S E P	08	06	32	8.3	8	1	0035302098	132	4452	S-2			
SBE 9+											FLUOR S/N									
PRESS SN											SBE43-Dry (pirne)									
PRI TEMP SN											SBE43-Dry (sec)									
SEC TEMP SN											Transmissometer									
PRI COND SN											PAR S/N									
SEC COND SN											O2 Temp Sensor No.									
NIS	DEPTH	Roset.		Hydro Team+PMEL						Weingartner		Other		NIS		No				
No	DESIRED	notes		SALT	NUTS	O2-Btl No	O2 Temp	CHL.	Frac CHL.	018										
1	127				153	19										1				
3	100				154											3				
5	75				155											5				
7	50				156											7				
9	40				157											9				
11	30				158											11				
13	20				159											13				
15	10				160											15				
17	0				161	19	3									17				
19																19				
21																21				
23																23				

Comments:

Rosette Notes:

VESSEL R/V Melville		CRUISE ID ME0823		PROJECT & LEG PAME/ECOFOCI		Ship Designation (I.D.)						STATION NO.						
CONSC CAST #	LATITUDE		LONGITUDE		TIME (GMT)			DRY BULB	WET BULB	PRESSURE	SEA STATE	WIND DIRN.	WIND SPD.	CLOUD (amt)	WEATHER	BOTTOM DEPTH	STA. NAME/ID	
	DEG	MIN	DEG	MIN	DAY	MO	YR	HR	MIN	(°C)	(°C)	(mb)	*	*	(deg)	(kts)	*	(m)
1585422.50 N	16516.42 W	09 SEP 08	0754	7.8	7.8	0034270	108	1164	1164	1164	1164	1164	*	*	1164	1164	V.PSS3	
SBE 9+			FLUOR S/N															
PRESS SN			SBE43-Dry (prime)															
PRI TEMP SN			SBE43-Dry (sec)															
SEC TEMP SN			Thermometer															
PRI COND SN			DAT S/N															
SEC COND SN			O2 Temp Sensor No.															
NS DEPTH		Roset. Hydro Team-PMEL						Weingartner		Other							NIS	
No.	DESIRED notes	SALT	NUTS	O2-Btl No	O2 Temp	CHL.	Frac CHL.	018									No.	
1	Bot	8-18	162	190													1	
3	125		163														3	
5	100		164														5	
7	75		165														7	
9	50		166														9	
11	40		167														11	
13	30		168														13	
15	20		169														15	
17	15		170														17	
19	0		171														19	
21																	21	
23																	23	

Comments:

Rosette Notes

VESSEL R/V Melville		CRUISE ID ME0823		PROJECT & LEG PMEL/EcoFOCI		Ship Designation (I.D.)		STATION NO.									
CONSC CAST #	LATITUDE		LONGITUDE		TIME (GMT)		DRY BULB	WET BULB	PRESSURE	SEA STATE	WIND DIRN.	WIND SPD.	CLOUD (amt)	BOTTOM DEPTH	STA. NAME/ID		
	DEG	MIN	DEG	MIN	DAY	MO	YR	HR	MIN	(°C)	(°C)	(mb)	*	(deg)	(kts)	*	(m)
1595420.51 N	16525.72 W	09 S E P 08	0952	7.6	7.7	00	26107	154 UPS	4								
SBE 9+			FLUOR S/N														
PRESS SN			SBE43-Oxy (prime)														
PRI TEMP SN			SBE53-Oxy (sec)														
SEC TEMP SN			Transmissometer														
PRI COND SN			PAR S/N														
SEC COND SN			O2 Tmp Sensor No.														
NIS	DEPTH	ROSET.	Hydro Team-PMEL				WATERDEPTH	Other		NIS		No.					
NO.	DESIRED	NOTES	SALT	NUTS	O2-BR/LNO	O2 TEMP	CHL.	Frac CHL.	018								
1	BOT	150		172	X195												1
3	125	/		173													3
5	100	/		174													5
7	75			175													7
9	50			176													9
11	40			177													11
13	30			178													13
15	20			179													15
17	10			180													17
19	0			181													19
21																	21
23																	23

Comments:

Rosette Notes:

Vessel R/V Melville	Cruise ID ME0823	Project & Leg PMEL/EcoFOCI		Ship Designation (I.D.)						Station No.						
		Consc Cast #	Latitude Deg Min	Longitude Deg Min	Day	Mo	Yr	Time (GMT) HR Min	Dry Bulb (°C)	Wet Bulb (°C)	Pressure (mb)	Sea State * * * (deg)	Wind Dirn. Wind Spd. (kt/s)	Cloud Type (amt)	Bottom Type Weather	Bottom Depth (m)
		160542	159 N	16555.67 W	08	12	3	1223	8.5	8.4	101	33810	4740P	4740P, w/4		
SBE 9*								FLUOR S/N								
PRESS SN								SBE43-Dwy (prime)								
PR. 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						Wingardner	Other						NIS
No.	DESIRED	notes	SALT	NUTS	O2-Btl No	O2 Temp	CHL.	Frac CHL.	018							No.
1	80	1465	*B-9	182	197											1
3	460	/		183												3
5	300	/		184												5
7	200	/		185												7
9	150	/		186												9
11	100	/		1												11
13	50	/		2												13
15	40	/		3												15
17	30	/		4												17
19	20	/		5												19
21	10	/		6												21
23	8			7												23

Comments:

Rosette Notes:

VESSEL R/V Melville		CRUISE ID ME0823		PROJECT & LEG PMEL/EcoFOCI		Ship Designation (I.D.)						STATION NO.						
CONSC CAST #	LATITUDE		LONGITUDE		DAY	MO	YR	TIME (GMT)	DRY BULB (°C)	WET BULB (°C)	PRESSURE (mb)	SEA STATE	WIND DIRN. SD.	CLOUD (amt)	TYPE	WEATHER	BOTTOM DEPTH (m)	STA. NAME/ID
DEG	MIN	DEG	MIN				HR	MIN			*	*	(deg)	(kts)	*	*	(m)	
161	54	28.38	N	166.07	26	W	09	S E P	0	8	14.3	2	8.5	8.5	343	536	0P.W3	
SBE 9+				FLUOR S/N														
PRESS SN				SBE43-Oxy (prime)														
PR. TEMP SN				SBE43-Oxy (sec)														
SEC TEMP SN				Transmissometer														
PRI COND SN				PAR S/N														
SEC COND SN				O2 Trip Sensor No.														
NIS	DEPTH	Roset.		Hydro Team-PMEL				Wingate										
No.	DESIRED notes	SALT	NUTS	O2-Btl No	O2 Temp	CHL.	Frac CHL.	018										
1	160	53.2	160.8	X213														
2	400		9															
3	360		10															
5	360		11															
7	200		12															
9	150		13															
11	100		14															
13	50		15															
15	40		16															
17	30		17															
19	20		18															
21	10		19															
23	6																	

Comments:

Rosette Notes

VESSEL R/V Melville	CRUISE ID ME0823	PROJECT & LEG PMEI/ECGFOCI		Ship Designation (I.D.)		STATION NO.											
		CONSC CAST #	LATITUDE DEG MIN	LONGITUDE DEG MIN	DAY MO YR	TIME (GMT) HR MIN	DRY BULB °C	WET BULB °C	PRESSURE (mb)	SEA STATE	WIND DIRN. deg	WIND SPD. (kts)	CLOUD (amt)	WIND TYPE	BOTTOM DEPTH (m)	WEATHER	STA. NAME/ID
		167 54 34.8 N	166 07.65 W	09 SEP 08	17 63	36.5 8.3	301	306	13	420	420	13	420	UPWZ			
SBE 9+					FLUOR S/N												
PRESS SN					SBE43-Dry (puma)												
PRI TEMP SN					SBE43-Dry (ssac)												
SEC TEMP SN					Transmissometer												
PRI COND SN					PAR S/N												
SEC COND SN					O2 Tmp Sensor No												
NIS DEPTH	ROSET.	Hydro Team+PMEI					Wet rosette				Other						NIS
NO. DESIRED notes		SALT	NUTS	02-Btl No	02 Temp	CHL.	Frac CHL.	018									NO.
1 411			20														1
3 300			21														3
5 250			22	133													5
7 200			23														7
9 150			24														9
11 100			25														11
13 50			26			283											13
15 40			27			283											15
17 30			28			289											17
19 20			29			283											19
21 10			30			283											21
23 0			31			138											23

Comments:

Rosette Notes:

misstep - poured rosette sample into smaller sample bottle

VESSEL R/V Melville		CRUISE ID ME0823		PROJECT & LEG PMEL/EcoFOCI		Ship Designation (I.D.)						STATION NO.						
CONSC CAST #	LATITUDE		LONGITUDE		TIME (GMT)			DRY BULB	WET BULB	PRESSURE	SEA STATE	WIND DIRN.	WIND SPD.	CLOUD (amt)	WEATHER	BOTTOM DEPTH	STA. NAME/ID	
	DEG	MIN	DEG	MIN	DAY	MO	YR	HR	MIN	(°C)	(°C)	(mb)	*	*	(deg)	(kts)	*	(m)
163	54	40	.97	N	166	14	.20	W	00	S E P 0 8	19/11	6.6	8.302		31212	298	109.01	
SBE 9+								FLUOR S/N										
PRESS SN								SBE43-Oxy (prime)										
PRI TEMP SN								SBE43-Dry (sec)										
SEC TEMP SN								Transmissometer										
PRI COND SN								PAR S/N										
SEC COND SN								O2 Temp Sensor No.										
NIS	DEPTH	Roset.						Hydro Team-PMEL						Waddington	Other		NIS	
No.	DESIRED notes		SALT	NUTS	02-Btl No	02 Temp	CHL.	Frac CHL.	018								No.	
1	101		1033	32													1	
3	250			33													3	
5	200			34													5	
7	150			35													7	
9	100			36													9	
11	50			37													11	
13	40			38													13	
15	30			39													15	
17	20			40													17	
19	10			41													19	
21	0			42	178												21	
23																	23	

Comments:

Rosette Notes:

07-118

VESSEL R/V Melville		CRUISE ID ME0823		PROJECT & LEG PMEL/ECOFOCI		Ship Designation (I.D.)						STATION NO. LL5					
CONSC CAST #		LATITUDE		LONGITUDE		TIME (GMT)			DRY BULB	WET BULB	PRESSURE	WIND DIRN.	WIND SPD.	CLOUD (amt)	BOTTOM DEPTH	STA. NAME/ID	
DEG	MIN	DEG	MIN	DAY	MO	YR	HR	MIN	(°C)	(°C)	(mb)	•	•	(deg)	(kts)	•	(m)
16	45	56	.95	N	16	82	29	.64	W	10	S E P	08	04	54	8.3	8.0	6446316218
SBE 94									FLUOR S/N								
PRESS SN									SBE43-Oxy (prime)								
PRI TEMP SN									SBE43-Oxy (sec)								
SEC TEMP SN									Transistorometer								
PRI COND SN									PAT S/N								
SEC COND SN									O2 Temp Sensor No								
NIS DEPTH		Hydro Team+PMEL						Weingartner		Other							
No	DESIRED notes	SALT	NUTS	O2-Btl No	O2 Temp	CHL.	Frac CHL.	018									NIS No
1	1500					43											1
3	1600					44	219										3
5	750					45	222										5
7	580					46	239										7
9	300					47											9
11	100					48											11
13	50					49											13
15	40					50											15
17	30					51											17
19	20					52											19
21	10					53											21
23	0					54											23

Comments:

Rosette Notes:

VESSEL R/V Neomile		CRUISE ID ME0823		PROJECT & LEG PMEL/ECOFOCI		Ship Designation (I.D.)		STATION NO.											
CONSC CAST #		LATITUDE		LONGITUDE		TIME (GMT)	DRY BULB	WET BULB	PRESSURE	SEA STATE	WIND	WIND	CLOUD (amt)	BOTTOM	STA. NAME/ID				
		DEG	MIN	DEG	MIN	DAY	MO	YR	HR	MIN	(°C)	(°C)	(mb)	*	*	DIRN.	SPD.	TYPE	WEATHER
1	65	54	50	10	N	68	44	58	W	10	S E P 0 8	0800	8.1	7.9	0546312178	2340	L6		
SBE 9+											FLUOR S/N								
PRESS SN											S8143-Oxy (prime)								
PR TEMP SN											S8143-Oxy (sec)								
SEC TEMP SN											Thermometer								
PRI COND SN											PAR SN								
SEC COND SN											02 Tmp Sensor No.								
NIS DEPTH	Roset.	Hydro Team-PMEL		Weingartner		Other		No											
No.	DESIRED	notes	SALT	NUTS	02-BR/No	02 Temp	CHL.	Frac CHL.	018										
1	1500		8	17	55	x136												1	
3	1600			56														3	
5	750			57	x163													5	
7	500			58	x166													7	
9	300			59														9	
11	150			60														11	
13	50			61														13	
15	40			62														15	
17	30			63														17	
19	20			64														19	
21	10			65														21	
23	0			66														23	

Comments:

Rosette Notes:

VESSEL R/V Melville		CRUISE ID ME0823		PROJECT & LEG PMEL/EcoFOCI		Ship Designation (I.D.)				STATION NO.								
CONSC CAST #	LATITUDE		LONGITUDE		TIME (GMT)		DRY BULB	WET BULB	PRESSURE	SEA STATE	WIND DIRN.	WIND SPD.	CLOUD (amt)	WEATHER	BOTTOM DEPTH	STA. NAME/ID		
	DEG	MIN	DEG	MIN	DAY	MO	YR	HR	MIN	(°C)	(°C)	(mb)	*	*	(deg)	(kts)	*	(m)
1665439.93 N	169	12	11 W	10 SEP 08	11	15	7.9	7.8	8.6	28620	28620	1013	*	*	1711	1711	67	
SBE 9+										FLUOR S/N								
PRESS SN										SBE43-Dry (prime)								
PRI TEMP SN										SBE43-Dry (sec)								
SEC TEMP SN										Transmissometer								
PRI COND SN										PAR S/N								
SEC COND SN										O2 Tmp Sensor No								
NIS DEPTH	Roset.		Hydro Team-PMEL				Wet Trawl		Other		NIS		No					
No	DESRED	notes	SALT	NUTS	O2-Btl No	O2 Temp	CHL.	Frac CHL.	018									
1	1500				67	22.0											1	
3	1000				68												3	
5	750				69	14.3											5	
7	500				70												7	
9	300				71	17.2											9	
11	100				72												11	
13	50				73												13	
15	40				74												15	
17	30				75												17	
19	20				76												19	
21	10				77												21	
23	0				78												23	

Comments:

Rosette Notes:

VESSEL R/V Melville		CRUISE ID ME0823		PROJECT & LEG PMEL/EcoFOCI		Ship Designation (I.D.)		STATION NO.									
CONSC CAST #	LATITUDE		LONGITUDE		TIME (GMT)		DRY BULB	WET BULB	PRESSURE	SEA STATE	WIND DIRN.	WIND SPD.	CLOUD (amt)	WEATHER	BOTTOM DEPTH	STA. NAME/ID	
	DEG	MIN	DEG	MIN	DAY	MO	YR	HR	MIN	(°C)	(mb)	(°C)	(mb)	(deg)	(kts)	(m)	
1675402.24 N	16	933.25	10 S	E P 0 8	21	31	81.8	6.8	0.4	471.95	128	1830	LL9				
SBE 9+																	
PRESS SN																	
PRI TEMP SN																	
SEC TEMP SN																	
PRI COND SN																	
SEC COND SN																	
NIS DEPTH Roset.	Hydro Team/PMEL		Weingartner		Other		NIS										
No DESIRED notes	SALT	NUTS	02-Bt:No	02 Temp	CHL.	Frac CHL.	018										No.
1 1000				179													1
3 750				180													3
5 500				181													5
7 300			X8-11	182													7
9 200				183													9
11 100				184													11
13 50				185													13
15 40				186													15
17 30				187													17
19 20				188													19
21 10				189													21
23 0				190													23

Comments:

Rosette Notes:

VESSEL R/V Melville		CRUISE ID ME0823		PROJECT & LEG PMEL/ECOFOCL		Ship Designation (I.D.)		STATION NO.											
CONSC CAST #	LATITUDE	LONGITUDE		TIME (GMT)		DRY BULB	WET BULB	PRESSURE	SEA STATE	WIND DIRN.	WIND SPD.	CLOUD (amt)	BOTTOM DEPTH	STA. NAME/ID					
		DEG	MIN	DEG	MIN	DAY	MO	YR	HR	MIN	(°C)	(°C)	(mb)	*	*	(deg)	(kts)	*	*
168	5336.31	N	16901.78	W	11	S E P	08	0209	18.7	77.0	01	46165188	1756						
SBE 9+																			
PRESS SN																			
PRI TEMP SN																			
SEC TEMP SN																			
PRI COND SN																			
SEC COND SN																			
Nis DEPTH		Roset.		Hydro Team-PMEL		Weingartner		Other		Nis									
No	DESIRED	notes	SALT	NUTS	02-Btl No	02 Temp	CHL.	Frac CHL.	018									No.	
1	1000																		1
3	750																		3
5	500																		5
7	300																		7
9	200																		9
11	100																		11
13	50																		13
15	40																		15
17	30																		17
19	20																		19
21	10																		21
23	0																		23

Comments:

Rosette Notes:

VESSEL R/V Melville		CRUISE ID ME0823		PROJECT & LEG PME/ECO/CI		Ship Designation (I.D.)						STATION NO.							
CONSC CAST #	LATITUDE	LONGITUDE		TIME (GMT)			DRY BULB	WET BULB	PRESSURE	SEA STATE	WIND DIRN.	WIND SPD.	CLOUD TYPE	WEATHER	BOTTOM DEPTH	STA. NAME/ID			
		DEG	MIN	DEG	MIN	DAY	MO	YR	HR	MIN	(°C)	(°C)	(mb)	*	*	(deg)	(kts)	*	*
16953	26.42N	16847	62W	11	S E P 0 8	0426	8.7	7.1	98	47	123	188	10268	LL	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		02 Tmp Sensor No.																	
Ns	DEPTH	Reset:	Hydro Team-PME				Weingartner		Other										
No.	DESIRED	notes	SALT	NUTS	02-Bu. No	02 Temp	CHL.	Frac CHL.	018									Ns	
1	1000		3-5	103														1	
3	750			104														3	
5	500			105														5	
7	300			106														7	
9	200			107														9	
11	100			108														11	
13	50			109			/											13	
15	40			110			/											15	
17	30			111			/											17	
19	20			112			/											19	
21	10			113			/											21	
23	0			114			/											23	

Comments:

Rosette Notes:

VESSEL R/V McMurtry		CRUISE ID ME0823		PROJECT & LEG PMEL/EcoSocI		Ship Designation (I.D.)						STATION NO.								
CONSC CAST #	LATITUDE		LONGITUDE		TIME (GMT)		DRY BULB	WET BULB	PRESSURE	SEA STATE	WIND	WIND	CLOUD (amt)	BOTTOM	STA. NAME/ID					
	DEG	MIN	DEG	MIN	DAY	MO	YR	HR	MIN	(°C)	(°C)	(mb)	*	*	DIRN.	SPD.	TYPE	WEATHER	DEPTH	(m)
1	70	53	22	.17	N	16	84	1	.52	W	11	S E P 0 8 0	55	4	8.6	7.4	964	6106	228	422
SBE 9+																				
PRESS SN																				
PRI TEMP SN																				
SEC TEMP SN																				
PRI COND SN																				
SEC COND SN																				
NIS DEPTH	Roset.		Hydro Team-PMEL		Wenzigartner		Other												NIS	
No.	DESIR ED	Notes	SALT	NUTS	02-BBL No	02 Temp	CHL.	Frac CHL.	018										No.	
1	411			115															1	
3	360			116															3	
5	260			117															5	
7	160			118															7	
9	75			119															9	
11	55			120															11	
13	40			121															13	
15	30			122															15	
17	20			123															17	
19	10			124															19	
21	0			125															21	
23																			23	

Rosette Notes:

Comments: