

VESSEL		CRUISE ID		PROJECT & LEG		AFSC Cruise ID		STATION NO.															
R/V Wecoma		WE1008		Eco-FOCI		1WE10		kt															
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
415	521.71	N	1	68	15.32	W	24	AUG	10	43	37	9.4	8.7	34			49	7				1450	C017
SBE 9+	FLUOR S/N	REMARKS: SBE9+ installed for upcast																					
PRESS SN	SBE43-Oxy (prime)	CELL																					
PRI TEMP SN	SBE43-Oxy (sec)	deep part of ch17																					
SEC TEMP SN	Transmissometer																						
PRI COND SN	PAR S/N																						
SEC COND SN	O2 Trip Sensor No.																						
Niskin No.	DEPTH	Roset. notes	SALT	Nut Bt	O2-Btl.No	CHL.	NIS No.																NIS No.
1	0	Bot		1			1																1
2	1000			2			2																2
3	950			3			3																3
4	900			4			4																4
5	800			5			5																5
6	700			6			6																6
7	600			7			7																7
8	500			8			8																8
9	400	Cont E quadrant		9			9																9
10	350			9			10																10
11	300			10			11																11
12	250			11			12																12

Notes: SSOL 32.15

VESSEL: R/V Wecoma  
 CRUISE ID: TN250  
 PROJECT & LEG: WE1008  
 Eco-FOCI: 1WE10  
 ASSC Cruise ID: 1WE10  
 STATION NO.:

CONSC CAST #	DEG	MIN	DEG	MIN	DAY	MO	YR	HR	MIN	(°C)	(°C)	(mb)	*	*	(deg)	(kts)	*	*	(m)	STA. NAME/ID
250	21	08	15	29	24	AUG	10	05	53	9.0	8.7	34			113				1573	CN17

REMARKS: Shallow part  
 MAX DEPTH = m

No.	DEPTH		SALT	Hydro Team-PMEL			NIS No.	NIS No.
	DESIRED	notes		Nuc Bil	O2-Bil No	CHL.		
1	250	f	7	12	x 120	1	1	
2	200	.		13		2	2	
3	150			14		3	3	
4	125	7		15		4	4	
5	100	f		16	x 58	5	5	
6	75	f		17	x 147	6	6	
7	50	f		18	x 231	7	7	
8	40	f		19		8	8	
9	30	f		20	x 243	9	9	
10	20	f		21		10	10	
11	10	f		22		11	11	
12	0	f		23	x 218	12	12	

Notes: SST 32.15  
 different water at 100m up cast

VESSEL: R/V Wecoma  
 CRUISE ID: TN250  
 PROJECT & LEG: WE1008  
 Eco-FOCI  
 AFSC Cruise ID: 1WE10  
 STATION NO.

CONSC CAST # 00355  
 LATITUDE 18.99 N  
 DEGREE MIN  
 LONGITUDE 168.50 W  
 DEGREE MIN  
 DAY 24  
 MONTH AUG  
 YEAR 10  
 TIME (GMT) 0705  
 DRY BULB 8.8  
 WET BULB 8.5  
 PRESSURE 105  
 SEA STATE \*  
 VISIBILITY \*  
 WIND DIRN. (deg) 105  
 WIND SPD. (kts) 7  
 CLOUD (amt) \*  
 TYPE \*  
 WEATHER \*  
 BOTTOM DEPTH (m) 100  
 STA. NAME/ID CN14  
 REMARKS: File name W1008b03  
 SST 32.53  
 No. of Tows taken

No.	DEPTH	Roset. notes	Hydro Team-PMEL				NIS No.	NIS No.
			SALT	Nut. Bri	O2-BRLNo	CHL.		
1	Bot	1000	070	24	-221	1	1	
2	900		071	25	-227	2	2	
3	850		072	26	-167	3	3	
4	750			27	-160	4	4	
5	600			28	-222	5	5	
6	400			29	-182	6	6	
7	300			30	-219	7	7	
8	200			31	-235	8	8	
9	150			32		9	9	
10	100			33		10	10	
11	50			34		11	11	
12	0			35		12	12	

Notes:

VESSEL: R/V *Wecoma* CRUISE ID: TN250 PROJECT & LEG: Eco-FOCI AFSC Cruise ID: 1WE10 STATION NO. 1WE10

CONSC CAST # 004 DEG 55 MIN 24.30 N LONGITUDE DEG 168 MIN 03.00 W DAY 24 MO AUG YR 10 TIME (GMT) HR 09 MIN 19 DRY BULB (°C) 8.6 WET BULB (°C) . PRESSURE (mb) 30 SEA STATE \* \* VISIBILITY \* \* WIND DIRN. (deg) 115 WIND SPD. (kts) 08 CLOUD (amt) \* \* TYPE \* \* WEATHER \* \* BOTTOM DEPTH (m) 248 STA. NAME/ID QN15

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

No.	Niskin		Roset.				Hydro. Team-PMEL				NIS No.	NIS No.	
	DEPTH	DESIRED	notes	SALT	Nut.Btl	O2-BRLNo	CHL						
1	227	✓			36	45						1	1
2	175	✓			37	242						2	2
3	150	✓			38							3	3
4	125	✓			39							4	4
5	100	✓			40							5	5
6	75	✓			41							6	6
7	50	✓			42							7	7
8	40	✓			43							8	8
9	30	✓			44							9	9
10	20	✓			45							10	10
11	10	✓			46							11	11
12	0				47							12	12

Notes:

MAX. DEPTH = 248 m



VESSEL: R/V *Wecoma* CRUISE ID: TN250 PROJECT & LEG: Eco-FOCI STATION NO.: *1WE10*

CONSC CAST # *005* LATITUDE: DEG *55* MIN *33* LONGITUDE: DEG *167* MIN *42* DAY *24* MO *AUG* YR *10* TIME (GMT) *1102* DRY BULB *8.5* WET BULB *.* PRESSURE *30* SEA STATE *\** VISIBILITY *\** WIND DIRN. *135* WIND SPD. *05* CLOUD (amt) *\** WEATHER *\** BOTTOM DEPTH *138* STA. NAME/ID *0214*

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

No	DEPTH	notes	SALT	Hydro Team-PMEL			CHL.	NIS No	NIS No
				Nut.Btl	O2-Btl	INO			
1	125	✓		48				1	1
2	100	✓		49				2	2
3	75	✓		50				3	3
4	50	✓		51				4	4
5	40	✓		52				5	5
6	30	✓		53				6	6
7	20	✓		54				7	7
8	10	✓	0073	55	143	144		8	8
9	0							9	9
10								10	10
11								11	11
12								12	12

*bottle did not close*

Notes:

VESSEL: R/V *Wecoma* CRUISE ID: TN250 PROJECT & LEG: Eco-FOCI AFSC Cruise ID: 1WE10 STATION NO.:

CONSC CAST #: 00655 DEG: 42.000 N LONGITUDE: 167.18.24 W DAY: 24 AUG 10 YR: 1253 TIME (GMT): 7.7 DRY BULB: 7.7 WET BULB: . PRESSURE: 30 SEA STATE: \* \* VISIBILITY: \* \* WIND DIRN.: 092 WIND SPD.: 05 CLOUD (amt): \* \* WEATHER: \* \* BOTTOM DEPTH: 138 STA. NAME/ID: 2W13

SBE 9+ \_\_\_\_\_ FLUOR S/N \_\_\_\_\_ SBE-43-Oxy (prime) \_\_\_\_\_ SBE-43-Oxy (sec) \_\_\_\_\_ SBE-43-Oxy (sec) Transmissometer \_\_\_\_\_ PAR S/N \_\_\_\_\_ O2 Temp Sensor No. \_\_\_\_\_

REMARKS: *Bad pump on primary Salt + Oxy I had in upper*

MAX DEPTH = \_\_\_\_\_ m

No.	DEPTH		notes	SALT	Hydro Team-PMEL		CHL.	NIS No.	NIS No.	NIS No.
	DESIRED	ROSSET.			Nut.Bri	O2-Bri.No				
1	120	✓			56	175		1		1
2	100	✓			57	144		2		2
3	75	✓			58			3		3
4	50	✓			59		285	4		4
5	40	✓			60		283	5		5
6	30	✓			61		283	6		6
7	20	✓			62		283	7		7
8	10	✓			63		283	8		8
9	0				64		283	9		9
10								10		10
11								11		11
12								12		12

Notes:

VESSEL: R/V Wecoma  
 CRUISE ID: TN250  
 PROJECT & LEG: Eco-FOCI  
 AFSC Cruise ID: 1WE10  
 STATION NO.

CONSC CAST # 007555  
 LATITUDE 51.06 N  
 DEGREE MIN  
 DEGREE MIN  
 DAY MONTH YEAR 24 AUG 10  
 TIME (GMT) 1500  
 DRY BULB 7.4  
 WET BULB  
 PRESSURE 29  
 SEA STATE \*  
 VISIBILITY \*  
 WIND DIRN. (deg) 16  
 WIND SPD. (kts) 20  
 CLOUD (amt) \*  
 TYPE \*  
 WEATHER \*  
 BOTTOM DEPTH (m) 136  
 STA. NAME/ID CN12

SBE 9+  
 PRESS SN  
 PRI TEMP SN  
 SEC TEMP SN  
 PRI COND SN  
 SEC COND SN

FLUOR S/N  
 SBE43-Oxy (prime)  
 SBE43-Oxy (sec)  
 Transmissometer  
 PAR S/N  
 O2 Temp Sensor No.

REMARKS  
 Bad pump on primary T, S, Oxy.

No.	Niskin		Hydro Team-PMEL				NIS No.	NIS No.
	DEPTH DESIRED	Roset. notes	SALT	Nut. Btl	O2-Brl.No	CHL		
1	120	✓	✓ 0074	65			1	1
2	100	✓		66			2	2
3	75	✓		67			3	3
4	50	✓		68			4	4
5	40	✓		69			5	5
6	30	✓		70			6	6
7	20	✓		71			7	7
8	10	✓		72			8	8
9	0	✓		73	✓ 208	✓ 178	9	9
10							10	10
11							11	11
12							12	12

Notes:

VESSEL: R/V *Wacoma* CRUISE ID: *TN250* PROJECT & LEG: *Eco-FOCI* AFSC Cruise ID: *1WE10* STATION NO.:

CONSC CAST #: *550591218* LATITUDE: *35°09'21.8" N* LONGITUDE: *166°30'16.14" W* DAY: *24* MO: *AUG* YR: *10* TIME (GMT): *16:44* DRY BULB (°C): *7.5* WET BULB (°C): *7.229* PRESSURE (mb): *1012.7* SEA STATE: *1* VISIBILITY: *10* WIND DIRN. (deg): *166* WIND SPD. (kts): *9.9* CLOUD (amt): *0* TYPE: *0* WEATHER: *0* BOTTOM DEPTH (m): *127* STA. NAME/ID: *CN11*

SBE 9+ FLUOR S/N: \_\_\_\_\_ SBE43-Oxy (prime): \_\_\_\_\_ SBE43-Oxy (sec): \_\_\_\_\_ SBE43-Oxy (sec) Transmitter: \_\_\_\_\_ SEC COND SN: \_\_\_\_\_ PAR S/N: \_\_\_\_\_ O2 Trip Sensor No.:

REMARKS: *Bad pump on primary T.S. only*

No.	DEPTH	Roset. notes	SALT	Hydro T team-PMEL			CHL.	NIS No.	NIS No.
				Nut Btl	O2-Btl No				
1	1/5	✓		74	✓ 107		1	1	no nut sample - bottle drained by accident.
2	1/00	✓		75			2	2	
3	75	✓		76			3	3	
4	50	✓		77			4	4	
5	40	✓		78			5	5	
6	30	✓		79			6	6	
7	20	✓		80			7	7	
8	10	✓		81			8	8	
9	0	✓		82			9	9	
10							10	10	
11							11	11	
12							12	12	

Notes:

VESSEL: R/V *Wecoma* CRUISE ID: TN250 PROJECT & LEG: Eco-FOCI AFSC Cruise ID: 1WE10 STATION NO.:

CONSC CAST #: 0095608.7ZN DEG: 166.66.25W DAY: 24 MO: AUG YR: 10 HR: 1854 TIME (GMT): 07.1 DRY BULB: 7.1 WET BULB: 7.0 PRESSURE: (mb) SEA STATE: \* \* VISIBILITY: (deg) 199 WIND DIRN.: 20 WIND SPD.: (kts) \* \* CLOUD (amt): \* \* WEATHER: \* \* BOTTOM DEPTH: (m) 110 STA. NAME/ID: CW10

LONGITUDE: 166.66.25W DAY: 24 MO: AUG YR: 10 HR: 1854 TIME (GMT): 07.1 DRY BULB: 7.1 WET BULB: 7.0 PRESSURE: (mb) SEA STATE: \* \* VISIBILITY: (deg) 199 WIND DIRN.: 20 WIND SPD.: (kts) \* \* CLOUD (amt): \* \* WEATHER: \* \* BOTTOM DEPTH: (m) 110 STA. NAME/ID: CW10

REMARKS: *Bad pump room primary, T.S. + OAG.*

SBE 9+ FLUOR S/N SBE4-3-Oxy (prime) SBE4-3-Oxy (sec) Transmissometer PAR S/N O2 Temp Sensor No.

Niskin No.	DEPTH DESIRED	Rosel. notes	Hydro Team-PMEL				NIS No.	NIS No.
			SALT	Nut.Bt	O2-Bt./No	CHL.		
1	100	✓		83			1	1
2	75	✓		84			2	2
3	50	✓		85			3	3
4	40	✓		86			4	4
5	30	✓		87			5	5
6	20	✓		88			6	6
7	10	✓		89			7	7
8	0		-0075	90	144 = 231		8	8
9							9	9
10							10	10
11							11	11
12							12	12

Notes:

VESSEL: R/V *Weconra* CRUISE ID: TN250 PROJECT & LEG: Eco-FOCI AFSC Cruise ID: 1WE10 STATION NO.:

CONSC CAST #: 0105616.68N 16542.08W DAY: 24 AUG 10 HR: 0238  
 TIME (GMT): 07:14 DRY BULB: 7.4 WET BULB: 7.4  
 PRESSURE: 1029 SEA STATE: \* VISIBILITY: \*  
 WIND DIRN.: 116 WIND SPD.: 6 CLOUD (amt): \* WEATHER: \*  
 BOTTOM DEPTH: 87 STA. NAME/ID: C109  
 REMARKS: *Silly, check on up-cool*  
*Boat pump on primary 118, 049*

No.	DEPTH DESCRIBED	Roset. notes	Hydro Team-PMEL				NIS No.	NIS No.
			SALT	Nut Brl	O2-Btl/No	CHL.		
1	87			91	221/227	1	1	
2	75			92		2	2	
3	50			93	x285	3	3	
4	40			94	x283	4	4	
5	30			95	x283	5	5	
6	20			96	x283	6	6	
7	10			97	x283	7	7	
8	0			98	x283	8	8	
9						9	9	
10						10	10	
11						11	11	
12						12	12	

Notes:

VESSEL: R/V *Wecoma*      CRUISE ID: TN250      PROJECT & LEG: Eco-FOCI      AFSC Cruise ID: 1WE10      STATION NO.:

CONSC CAST # \_\_\_\_\_      LATITUDE: \_\_\_\_\_      DEGREE: \_\_\_\_\_      MINUTE: \_\_\_\_\_      SECOND: \_\_\_\_\_      LONGITUDE: \_\_\_\_\_      DEGREE: \_\_\_\_\_      MINUTE: \_\_\_\_\_      SECOND: \_\_\_\_\_      DAY: \_\_\_\_\_      MONTH: \_\_\_\_\_      YEAR: \_\_\_\_\_      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: \_\_\_\_\_

SBE 9+ \_\_\_\_\_      FLUOR S/N \_\_\_\_\_      SBE 43-Oxy (prime) \_\_\_\_\_      SBE 43-Oxy (sec) \_\_\_\_\_      Transmissometer \_\_\_\_\_      PAR S/N \_\_\_\_\_      O2 Temp Sensor No. \_\_\_\_\_

Niskin No. \_\_\_\_\_      DEPTH \_\_\_\_\_      Roset. \_\_\_\_\_      SALT \_\_\_\_\_      Nut.Btl \_\_\_\_\_      O2-Btl/No \_\_\_\_\_      CHL. \_\_\_\_\_      NIS No. \_\_\_\_\_      NIS No. \_\_\_\_\_

No.	DEPTH	notes	SALT	Nut.Btl	O2-Btl/No	CHL.	NIS No.	NIS No.
1	~88		*76	99			1	1
2	50			108			2	2
3	40			101			3	3
4	30			102			4	4
5	20			103			5	5
6	10			104	X 103/860		6	6
7	0			105			7	7
8							8	8
9							9	9
10							10	10
11							11	11
12							12	12

*Pump replaced on primary*

MAX DEPTH = \_\_\_\_\_ m

Notes:

VESSEL: R/V *Wecoma* CRUISE ID: TN250 PROJECT & LEG: Eco-FOCI AFSC Cruise ID: 1WE10 STATION NO.:

CONSC CAST # 01256333.84N 16454.31W 25 AUG 10 0026 8.1 7.0 26 137 5 78 6407

DEG MIN DEG MIN DAY MO YR HR MIN (°C) (°C) (mb) SEA STATE VISIBILITY WIND DIRN. (deg) WIND SPD. (kts) CLOUD (amt) TYPE WEATHER BOTTOM DEPTH (m) STA. NAME/ID

SBE 9+ \_\_\_\_\_ FLUOR S/N \_\_\_\_\_ SBE43-Oxy (prime) \_\_\_\_\_ SBE43-Oxy (sec) \_\_\_\_\_ PAR S/N \_\_\_\_\_ O2 Temp Sensor No. \_\_\_\_\_

PRESS SN \_\_\_\_\_ SBE43-Oxy (prime) \_\_\_\_\_ SBE43-Oxy (sec) \_\_\_\_\_ Transmissometer \_\_\_\_\_

SEC TEMP SN \_\_\_\_\_ PAR S/N \_\_\_\_\_

SEC COND SN \_\_\_\_\_ O2 Temp Sensor No. \_\_\_\_\_

REMARKS: \_\_\_\_\_

MAX. DEPTH = \_\_\_\_\_ m

No.	DEPTH DESIRED	notes	Hydro Team-PMEL				NIS No.	NIS No.
			SALT	Nutr.Btl	O2-Btl/No	CHL.		
1	72		106	X 222			1	1
2	58	lined longm stake	107			285	2	2
3	50		108			282	3	3
4	40		109			283	4	4
5	30		110			283	5	5
6	20		111			283	6	6
7	10		112			283	7	7
8	0						8	8
9							9	9
10							10	10
11							11	11
12							12	12

Notes:



VESSEL: R/V Wecoma  
 CRUISE ID: TN250  
 PROJECT & LEG: Eco-FOCI  
 AFSC Cruise ID: 1WE10  
 STATION NO.:

CONSC CAST #	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
0135642	34	N	16430.53	W	25	AUG	10	02	17	8.1	7.1	25	*	*	156	4						78	CN06
REMARKS: Beautiful 2 layer system. Silt/goo. 20-22m. 1 gully on top of reef. 75 m																							

No.	DEPTH	notes	SALT	Hydro Team-PMEL			NIS No.	NIS
				Nut.Bri	O2-Bri.No	CHL.		
1	7φ	leg/did not close	077	118			1	Silt & ooze caught on top hoop. 71
2	50			118			2	
3	40			114			3	
4	30			115			4	
5	20			116			5	
6	10			117	X 182		6	
7	φ			118			7	
8							8	
9							9	
10							10	
11							11	
12							12	

Notes: 077

VESSEL: R/V Wecoma  
 CRUISE ID: TN250  
 PROJECT & LEG: WE1008  
 Eco-FOCI  
 AFSC Cruise ID: 1WE10  
 STATION NO.

CONSC CAST # 0145653.93N 16402.27W  
 LATITUDE: 3.93 N  
 LONGITUDE: 164.0227 W  
 DAY: 25  
 MO: AUG  
 YR: 10  
 HR: 04  
 MIN: 15  
 TIME (GMT): 0415  
 DRY BULB (°C): 8.2  
 WET BULB (°C): 7.2  
 PRESSURE (mb): 24  
 SEA STATE: \*  
 VISIBILITY: \*  
 WIND DIRN. (deg): 160  
 WIND SPD. (kts): 65  
 CLOUD (amt): \*  
 TYPE: \*  
 WEATHER: \*  
 BOTTOM DEPTH (m): 75  
 STA. NAME/ID: C2005  
 MAX DEPTH = 72 m

REMARKS: Position - same ~ M2  
 BS CAL. Spoke on thermocline  
 S1 got stuff stuck in it at midday both up + down

No.	DEPTH DESIRED	Roset. notes	Hydro Team-PMEL			NIS No.	NIS No.	NIS No.
			SALT	Nut.Bti	O2-Bti.No			
1	bot			119	196	1		1
2	50			120		2		2
3	40			121		3		3
4	36			122		4		4
5	20			123		5		5
6	10			124		6		6
7	0			125		7		7
8						8		8
9						9		9
10						10		10
11						11		11
12						12		12

Notes:

VESSEL: R/V *Wecoma* CRUISE ID: TN250 PROJECT & LEG: Eco-FOCI ASCC Cruise ID: 1WE110 STATION NO.

CONSC CAST # 0155707.84 N 116347.83 W 25 AUG 10 0611 8.0 7.2 23 208 67 46

DEG MIN DEG MIN DAY MO YR HR MIN (°C) (°C) (mb) SEA STATE VISIBILITY WIND DIRN. (deg) WIND SPD. (kts) CLOUD (amt) TYPE WEATHER BOTTOM DEPTH (m) STA. NAME/ID

SBE 9+ FLUOR S/N SBE43-Oxy (prime) SBE43-Oxy (sec) Transmissometer PAR S/N O2 Temp Sensor No.

REMARKS: *hull to surface, clean off yellow + water 0-20m*

No.	DEPTH		Hydro Team-PMEL				NIS No.	NIS No.
	DESIRED	notes	SALT	Nut.Btl	O2-Btl.No	CHL		
1	62		x 78	126	126	← 120?	1	1
2	50			127	127		2	2
3	46			128	128		3	3
4	30			129	129		4	4
5	20			130	130		5	5
6	10			131	131		6	6
7	0			132	132	← 120?	7	7
8							8	8
9							9	9
10							10	10
11							11	11
12							12	12

Notes:

VESSEL: R/V Wecoma  
 CRUISE ID: TN250  
 PROJECT & LEG: WE1008  
 Eco-Foci: WE10  
 AFSC Cruise ID: 1WE10  
 STATION NO.:

CONSC CAST # 01657  
 LATITUDE 22.99 N  
 DEGREE MIN  
 DEGREE MIN  
 LONGITUDE 163 31.68 W  
 DAY 25  
 MO AUG  
 YR 10  
 TIME (GMT) 0800  
 HR MIN  
 DRY BULB (°C) 7.2  
 WET BULB (°C) 6.7  
 PRESSURE (mb) 22  
 SEA STATE \*  
 VISIBILITY \*  
 WIND DIRN. (deg) 103  
 WIND SPD. (kts) 13  
 CLOUD (amt) \*  
 TYPE \*  
 WEATHER \*  
 BOTTOM DEPTH (m) \$5  
 STA. NAME/ID CNO3  
 MAX. DEPTH = 3 m

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

No.	Roset.		Hydro Team-PMEL				No.	No.	No.	No.	No.
	DEPTH	DESIRED	SALT	Nur.Btl	O2-Btl/No	CHL					
1	47			133		285	1				1
2	40			134		283	2				2
3	30			135		283	3				3
4	20			136		283	4				4
5	10			137		283	5				5
6	0			138	058 243	283	6				6
7							7				7
8							8				8
9							9				9
10							10				10
11							11				11
12							12				12

Notes:

The O<sub>2</sub> reagent is used not cleaned  
 O<sub>2</sub> uses first & purveyor's best

VESSEL: R/V *Wecoma* CRUISE ID: TN250 PROJECT & LEG: EcoFOCI 1WE10 AFSC Cruise ID: 1WE10 STATION NO.:

CONSC CAST # 0175656.97N 16350.06W 25 AUG 10 1053 8.11 7.4 21 159 7.5 68 MZE

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

LONGITUDE

TIME (GMT) DRY BULB WET BULB PRESSURE SEA STATE VISIBILITY WIND DIRN. WIND SPD. CLOUD (amt) TYPE WEATHER BOTTOM DEPTH STA. NAME/ID

REMARKS

MAX. DEPTH = m

SBE 9+ \_\_\_\_\_ FLUOR S/N \_\_\_\_\_

PRESS SN \_\_\_\_\_ SBE43-Oxy (prime) \_\_\_\_\_

PRI TEMP SN \_\_\_\_\_ SBE43-Oxy (sec) \_\_\_\_\_

SEC TEMP SN \_\_\_\_\_ Transmissometer \_\_\_\_\_

PRI COND SN \_\_\_\_\_ PAR S/N \_\_\_\_\_

SEC COND SN \_\_\_\_\_ O2 Temp Sension No. \_\_\_\_\_

No.	DEPTH DESIRED	Roset. notes	SALT	Hydro Team-PMEL				NIS No.	NIS	
				Nut. Btl	O2-Btl/No	CHL				
1	65			139	218	219	✓	285	1	
2	50			140			✓	283	2	
3	40			141			✓	283	3	
4	30			142			✓	283	4	
5	20			143			✓	283	5	
6	10			144			✓	283	6	
7	0		✓ 0080	145			✓	283	7	
8									8	
9									9	
10									10	
11									11	
12									12	

Notes: Lots of July's

VESSEL: R/V *Weconra*      CRUISE ID: TN250      PROJECT & LEG: WE1008      Eco-FOCI      AFSC Cruise ID: 1WE10      STATION NO.

CONSC CAST #	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	
01857	61	00	164	13	25	AUG	10	12	33		8.2	7.8	18			167	10					68	M2N

SBE 9+      FLUOR S/N      SBE43-Oxy (prime)      SBE43-Oxy (sec)      Transmissometer      PAR S/N      O2 Temp Sensor No.

No.	DEPTH		SALT	Nut:Br	O2-Btl No	CHL	N/S No.	N/S No.
	DESIRED	notes						
1	60			146			1	1
2	50			147		285	2	2
3	40			148		283	3	3
4	30			149		283	4	4
5	20			150		283	5	5
6	10			151		283	6	6
7	0			152	✓235 ✓245	283	7	7
8							8	8
9							9	9
10							10	10
11							11	11
12							12	12

Notes: Lots of jellys







VESSEL: R/V Weconra CRUISE ID: TN250 PROJECT & LEG: WE1008 Eco-FOCI AFSC Cruise ID: 1WE10 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)	WEATHER	BOTTOM DEPTH (m)	STA. NAME/ID
0215654	4	00 N	164	03.18 W	25 AUG 10	1844	8.8	8.5	17		137	10			70M2	70M2
SBE 9+	FLUOR S/N		SBE43-Oxy (prime)		REMARKS											
PRESS SN	SBE43-Oxy (sec)		Transmissometer		MAX DEPTH =											
PRI TEMP SN	PAR S/N		O2 Temp Sensor No.													
SEC TEMP SN																
PRI COND SN																
SEC COND SN																

No.	DEPTH		SALT	Hydro Team-PMEL		CHL	NO. 1	NO. 2	NO. 3	NO. 4	NO. 5	NO. 6	NO. 7	NO. 8	NO. 9	NO. 10	NO. 11	NO. 12
	DEPTH	ROSET		NO. 1	NO. 2													
1	65			167	171	283												
2	50			169	170	283												
3	40			169	170	283												
4	30			169	170	283												
5	245			171	171	283												
6	245			171	171	288												
7	245			172	172	289												
8	125			172	172	293												
9	125			172	172	277												
10	125			172	172	297												
11	0			173	173	253												
12																		

Notes:

VESSEL: R/V Weconma CRUISE ID: TN250 PROJECT & LEG: Eco-FOCI AFSC Cruise ID: 1WE10 STATION NO.: 21

CONSC CAST # 0225618.49 N 16435.00 W 25 AUG 10 2058 9.1 8.8 16 139 8 73 70M3

LATITUDE: 0225618.49 N LONGITUDE: 16435.00 W DAY: 25 MO: AUG YR: 10 TIME (GMT): 2058 DRY BULB: 9.1 WET BULB: 8.8 PRESSURE: 16 SEA STATE: VISIBILITY: WIND DIRN: 139 WIND SPD: 8 CLOUD (amt): WEATHER: BOTTOM DEPTH: 73 STA. NAME/ID: 70M3

FLUOR S/N: SBE43-Oxy (prime): SBE43-Oxy (sec): Transmissometer: PAR S/N: O2 Temp Sensor No. REMARKS: Pumping surface jelly at 50m on upcast

No.	DEPTH DESIRED	Roset. notes	Hydro Team-PMEL				CHL.	BOTTOM DEPTH (m)	STA. NAME/ID
			SALT	Nut.BI	O2-Btl.No				
1	67			174	178	283	73	70M3	
2	50			175		285			
3	40			176		283			
4	30			177		283			
5	20			178		283			
6	10			179		283			
7	0			180		283			
8									
9									
10									
11									
12									

Notes:

VESSEL		CRUISE ID		PROJECT & LEG		AFSC Cruise ID		STATION NO.									
R/V Wecoma		WE1008		Eco-FOCI		1WE10		22									
CONSC CAST #	LATITUDE		LONGITUDE		TIME (GMT)	DRY BULB (°C)	WET BULB (°C)	PRESSURE (mb)	SEA STATE *	VISIBILITY *	WIND DIRN. (deg)	WIND SPD. (kts)	CLOUD (amt) *	TYPE *	WEATHER *	BOTTOM DEPTH (m)	STA. NAME/ID
	DEG	MIN	DEG	MIN													
0235654	54	56	164	49	25	AUG	10	22	43	8.3	8.3	14	14	4	11	71	70M4
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. _____																	
Niskin _____ Roset. _____ Hydro Team-PMEL																	
No.	DEPTH DESIRED	notes	SALT	NUT Btl	O2-Btl No	CHL.	REMARKS										
1	68		0082	181	239		Slight current jelly on way up										
2	50			182		285											
3	40			183		283											
4	30			184													
5	20			185													
6	10			186													
7	0			187													
8																	
9																	
10																	
11																	
12																	

Notes: ↑ 082

VESSEL: R/V *Wecoma* CRUISE ID: TN250 PROJECT & LEG: Eco-FOCI AFSC Cruise ID: 1WE10 STATION NO.: 023

CONSC CAST # 024 DEG 56 MIN 31.55 N LONGITUDE DEG 165 MIN 07.39 W DAY 26 MO AUG YR 10 HR 02 MIN 25 DRY BULB 21.6 WET BULB 18.4 PRESSURE 1013 SEA STATE \* \* VISIBILITY \* \* WIND DIRN. 144 WIND SPD. 13 CLOUD (amt) \* \* WEATHER \* \* BOTTOM DEPTH 76 STA. NAME/ID 70115

SBE 9+ FLUOR S/N SBE43-Oxy (prime) SBE43-Oxy (sec) Transmissometer PAR S/N O2 Temp Sensor No. SBE43-Oxy (prime) SBE43-Oxy (sec) Transmissometer PAR S/N O2 Temp Sensor No. REMARKS: Both sensors at 10m are upcast - values are to remain the same for both

No.	DEPTH		SALT	Hydro Team-PMEL		CHL.	NIS No.
	DESIRED	notes		Nut.BRI	O2-BRI/No		
1	68		082	188	182	285	1
2	50			189		283	2
3	40			2			3
4	30			3			4
5	20			4			5
6	10			5			6
7	0						7
8							8
9							9
10							10
11							11
12							12

Notes:

VESSEL: R/V Weconra  
 CRUISE ID: TN250  
 PROJECT & LEG: WE1008  
 AFSC Cruise ID: 1WE10  
 STATION NO.: 024

CONSC CAST #	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
02556	59	61	N	165	22	26	AUG	10	01	57	08:57	8.7	8.7	12	*	*	148	14	*	*	*	72	70ML

REMARKS: coming up, S1+S2 socked yellow fish

FLUOR S/N: \_\_\_\_\_  
 SBE43-Oxy (prime): \_\_\_\_\_  
 SBE43-Oxy (sec): \_\_\_\_\_  
 Transmissometer: \_\_\_\_\_  
 PAR S/N: \_\_\_\_\_  
 O2 Temp Sensor No.: \_\_\_\_\_

No.	DEPTH		SALT	Hydro Team-PWEL		CHL.	NIS
	DESIRED	notes		Nut.Btl	O2-Btl.No		
1	65				6	147	1
2	50				7	285	2
3	40				8	283	3
4	30				9		4
5	20				10		5
6	10				11		6
7	0				12		7
8							8
9							9
10							10
11							11
12							12

Notes:

VESSEL: R/V Wecoma  
 CRUISE ID: TN250  
 PROJECT & LEG: WE1008  
 Eco-FOCI  
 AFSC Cruise ID: 1WE10  
 STATION NO. 024

CONSC CAST #	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
0245	7	06.41	N	165	36.80	W	26	AUG	10	03	24	8.7	8.7	14	*	*	152	16	*	*	*	70	70M7
REMARKS: <i>Prim. Sal (maybe both) caught yellow</i> <i>All bladder valves open - no oxygen taken</i>																							

No.	DEPTH	DEPTH notes	SALT	Nut.Bri	O2-Bri/No	CHL.	NIS No.
1	67		83	13			1
2	50			14		285	2
3	40			15		283	3
4	30			16			4
5	20			17			5
6	10			18			6
7	0	leaker, no water					7
8							8
9							9
10							10
11							11
12							12

Notes:

VESSEL: R/V Wacona  
 CRUISE ID: TN250  
 PROJECT & LEG: WE1008  
 AFSC Cruise ID: 1WE10  
 STATION NO.: 022

CONSC CAST #	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
02757	15	23	N	165	44	76	W	26	AUG	10	0453	8.5	8.5	09			148	16				72	70M8
REMARKS																							
MAX DEPTH =																							

SE 9+  
 PRESS SN  
 PRI TEMP SN  
 SEC TEMP SN  
 PRI COND SN  
 SEC COND SN

FLUOR S/N  
 SBE43-Oxy (prime)  
 SBE43-Oxy (sec)  
 Transmissometer  
 PAR S/N  
 O2 Temp Sensor No.

Niskin No.	DEPTH		SALT	Hydro Team-PMEL			CHL.	No.
	DESIRED	notes		Nut:Btl	O2-Btl.No			
1	66			19			285	1
2	50			20			283	2
3	40			21				3
4	30			22				4
5	20			23				5
6	10		X 084	24	X 231			6
7	0	last to splash						7
8								8
9								9
10								10
11								11
12								12

Notes:

VESSEL: R/V *Wacona* CRUISE ID: TN250 PROJECT & LEG: WE1008 AFSC Cruise ID: 1WE10 STATION NO.: 027

CONSC CAST #		LATITUDE		LONGITUDE		TIME (GMT)		DRY BULB	WET BULB	PRESSURE	SEA STATE	VISIBILITY	WIND DIRN.	WIND SPD.	CLOUD (amt)	WEATHER	BOTTOM DEPTH	STA. NAME/ID		
02857		19.26 N		16600.64 W		26 AUG 10		0617	8.5	8.5	07	*	135	24	*	*	73	70M9		
SBE 9+		FLUOR S/N		SBE43-Oxy (prime)		REMARKS		new bottle #7, failed twice before											MAX DEPTH =	m
PRESS SN		SBE43-Oxy (sec)		Transmissometer		PAR S/N		O2 Temp Sensor No.												

Niskin No.	DEPTH DESIRED	Roset. notes	SALT	Hydro Team-PMEL				CHL.	Nis No.
				Nut. Bl	O2-Btl. No				
1	64			95	221			1	
2	58			26				2	
3	40			27				3	
4	36			28				4	
5	20			29				5	
6	10			30				6	
7	0	MISFIRE						7	
8								8	
9								9	
10								10	
11								11	
12								12	

New NISKIN !!

Notes:



VESSEL R/V Wecoma		CRUISE ID TN250		PROJECT & LEG WE1008		Eco-FOCI		AFSC Cruise ID 1WE10		STATION NO. 028	
CONSC CAST #		LATITUDE		LONGITUDE		TIME (GMT)		DRY BULB		WET BULB	
029		57 19.33 N		166 19.51 W		26 AUG 10		0813		8.5	
DEG		MIN		DAY		MO		YR		HR	
SBE 9+		FLUOR S/N		SBE43-Oxy (prime)		SBE43-Oxy (sec)		Transmissometer		PAR S/N	
PRESS SN		SBE43-Oxy (sec)		Transmissometer		PAR S/N		O2 Temp Sensor No.		REMARKS	
PRI TEMP SN		SBE43-Oxy (sec)		Transmissometer		PAR S/N		O2 Temp Sensor No.		previous problems with bottle ?	
SEC TEMP SN		SBE43-Oxy (sec)		Transmissometer		PAR S/N		O2 Temp Sensor No.		larger thermocline offset between up & down cast	
PRI COND SN		SBE43-Oxy (sec)		Transmissometer		PAR S/N		O2 Temp Sensor No.		surface sample by bucket - #2 did not close	
SEC COND SN		SBE43-Oxy (sec)		Transmissometer		PAR S/N		O2 Temp Sensor No.		MAX DEPTH =	
Niskin No.		Roset.		Hydro Team-PMEL		Nut:BI		O2-BI/No		CHL.	
DEPT#		notes		SALT		Nut:BI		O2-BI/No		CHL.	
No.		DEPT#		SALT		Nut:BI		O2-BI/No		CHL.	
1		bot				31		227/167			
2		50				32					
3		40				33					
4		30				34					
5		20				35					
6		10				36					
7		0				37					
8		0				37					
9											
10											
11											
12											

This cast file was overwritten by mistake

VO SA

File W140866029

VESSEL R/V Wecoma		CRUISE ID TN250 WE1008		PROJECT & LEG Eco-FOCI		AFSC Cruise ID 1WE10		STATION NO. 029 haul	
CONSC CAST # 29 - changed to 29		LATTITUDE DEG MIN 57 26 . 26 N		LONGITUDE DEG MIN 166 34 . 64 W		DATE DAY MO YR 26 AUG 10		TIME (GMT) HR MIN 09 39	
SBE 9+ PRESS SN PRI TEMP SN SEC TEMP SN PRI COND SN SEC COND SN		FLUOR S/N SBE43-Oxy (prime) SBE43-Oxy (sec) Transmissometer PAR S/N O2 Temp Sensor No.		REMARKS ABORTED Tobacco		DRY BULB (°C)		WET BULB (°C)	
Niskin No.		DEPTH		Roset. notes		SALT		Nut. Btl	
DEPTH		SALT		Nut. Btl		O2-Btl. No		CHL.	
1									
2									
3									
4									
5									
6									
7									
8									
9									
10									
11									
12									

Notes:  
Bad cast  
Overwrite #29

File name 03077 B.d CNV 03D

VESEL: R/V Weconia  
 CRUISE ID: TN250  
 PROJECT & LEG: WE1008  
 AFSC Cruise ID: 1WE10  
 STATION NO.: 0209 haul 2

CONSC CAST #	DEG	MIN	DEG	MIN	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
03157	24	23	166	30.76	26	AUG	10	16	21	8.2	8.2	05			21	15				67	70M11

REMARKS: MAX. DEPTH = 67 m

SBE 9+ \_\_\_\_\_  
 PRESS SN \_\_\_\_\_  
 PRI TEMP SN \_\_\_\_\_  
 SEC TEMP SN \_\_\_\_\_  
 PRI COND SN \_\_\_\_\_  
 SEC COND SN \_\_\_\_\_

FLUOR S/N \_\_\_\_\_  
 SBE43-Oxy (prime) \_\_\_\_\_  
 SBE43-Oxy (sec) \_\_\_\_\_  
 Transmissometer \_\_\_\_\_  
 PAR S/N \_\_\_\_\_  
 02 Temp Sensor No. \_\_\_\_\_

Niskin No.	DEPTH DESIRED	Roset. notes	SALT	Nut. Brl	O2-Brl. No	CHL.	NIS No.
1	65			38			1
2	50			39			2
3	40			40			3
4	30			41			4
5	20			42			5
6	10		0565	43	060		6
7	0			44	1222		7
8							8
9							9
10							10
11							11
12							12

Notes:

Brought onboard before stopped spinning

File name: 031 ENV 32

VESSEL R/V Wecoma		CRUISE ID TN250		PROJECT & LEG WE1008		AFSC Cruise ID 1WE10		STATION NO. 030																							
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	
5325725.7ZN		16648.70W		20		1137		8.2		4.2		205						229		12								70M12			
SBE 9+		FLUOR S/N		SBE43-Oxy (prime)		SBE43-Oxy (sec)		Transmissometer		PAR S/N		O2 Temp Sensor No.		REMARKS		MAX DEPTH =															
PRESS SN		SBE43-Oxy (prime)		SBE43-Oxy (sec)		Transmissometer		PAR S/N		O2 Temp Sensor No.																					
PRI TEMP SN		SBE43-Oxy (prime)		SBE43-Oxy (sec)		Transmissometer		PAR S/N		O2 Temp Sensor No.																					
SEC TEMP SN		SBE43-Oxy (prime)		SBE43-Oxy (sec)		Transmissometer		PAR S/N		O2 Temp Sensor No.																					
PRI COND SN		SBE43-Oxy (prime)		SBE43-Oxy (sec)		Transmissometer		PAR S/N		O2 Temp Sensor No.																					
SEC COND SN		SBE43-Oxy (prime)		SBE43-Oxy (sec)		Transmissometer		PAR S/N		O2 Temp Sensor No.																					
Niskin No.		Roset.		Hydro Team-PMEL																											
DEPTHD		notes		SALT		Nutr:BI		O2-Btl:No		CHL.																					
1		65				45		1182		/																					
2		50				46		/		/																					
3		40				47		/		/																					
4		30				48		/		/																					
5		20				49		/		/																					
6		10				50		/		/																					
7		0				51		/		/																					
8																															
9																															
10																															
11																															
12																															

Notes:

~~033~~ f.10 name 033 ~~033~~ ~~033~~

VESSEL		CRUISE ID TN250		PROJECT & LEG		AFSC Cruise ID		STATION NO.							
R/V <i>Wacoma</i>		WE1008		Eco-FOCI		1WE10		31							
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
033573	31.34 N	167.29 W	26 AUG 10 1256	7.9	7.9	09	*	*	29	10	*	*	*	71	ZOM13
SBE 9+	FLUOR S/N	SBE43-Oxy (prime)	REMARKS												
PRESS SN	SBE43-Oxy (sec)	SBE43-Oxy (sec)													
PRI TEMP SN	Transmissometer	PAR S/N													
SEC TEMP SN	PAR S/N	O2 Temp Sensor No.													
PRI COND SN															
SEC COND SN															
Niskin		Hydro Team-PMEL													
No.	DEPTH DESIRED	Roset. notes	SALT	Nut.Btl	O2-Btl.No	CHL.									No.
1	65			52											1
2	50		0086	53											2
3	40			54											3
4	30			55											4
5	20			56											5
6	10			57											6
7	0			58	120	1058									7
8															8
9															9
10															10
11															11
12															12

Notes:

CNT. Name 055  
 CDS 034

VESSEL		CRUISE ID TN250		PROJECT & LEG		AESC Cruise ID		STATION NO.													
R/V Weconna		WE1008b		Eco-FOCI		1WE10		32													
CONSC CAST #	DEG	LATITUDE MIN	DEG	LONGITUDE MIN	DAY	MO	YR	HR	MIN	TIME (GMT)	DRY BULB (°C)	WET BULB (°C)	PRESSURE (mb)	SEA STATE *	VISIBILITY *	WIND DIRN. (deg)	WIND SPD. (kts)	CLOUD (amt) *	WEATHER *	BOTTOM DEPTH (m)	STA. NAME/ID
03457	29.97	N	16720.65	W	AUG	10	19	15	8.4	8.4	8.4	104			218	9				75	70m14
SRE 9+ _____ FLUOR S/N _____ PRESS SN _____ SRE33-Oxy (prime) _____ PRI TEMP SN _____ SRE33-Oxy (sec) _____ SEC TEMP SN _____ Transmissionmeter _____ PRI COND SN _____ PAR S/N _____ SEC COND SN _____ O2 Temp Sensor No. _____																					
REMARKS																					
MAX DEPTH = 70 m																					
N/SKIN		Roset.		Hydro Team-PMEL		NIS		NIS													
No.	DEPTH DESIRED	NOTES	SALT	NUT. BT	O2-BTL No	CHL	No.	No.	No.	No.											
1	65			59	2298 / 218	/	1														
2	50			60		/	2														
3	40			61		/	3														
4	30			62		/	4														
5	20			63		/	5														
6	10			64		/	6														
7	0			65		/	7														
8							8														
9							9														
10							10														
11							11														
12							12														

top Sealed cap may have been loose

Notes:

VESSEL		CRUISE ID		PROJECT & LEG		AFSC Cruise ID		STATION NO.															
R/V Wecoma		WE1008b		EcoFOCI		1WE10		33															
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
0355730	16739.93	N	W	16739	93	AUG	10	0	15	45	8.3	8.3	04	*	*	207	12	*	*	*	*	71	70M15
SBE 9+	FLUOR S/N	REMARKS																					
PRESS SN	SBE43-Oxy (prime)																						
PRI TEMP SN	SBE43-Oxy (sec)																						
SEC TEMP SN	Transmissometer																						
PRI COND SN	PAR S/N																						
SEC COND SN	O2 Temp Sensor No.																						
Niskin		Rosett		Hydro Team-PMEL		Nis		Nis															
No.	DEPTH DESIRED	notes	SALT	Nat. Btl	O2-Btl No	CHL.	No	No	No														
1	60			66			1																
2	50			67		-285	2																
3	40			68		-283	3																
4	30			69		-283	4																
5	20			70		-283	5																
6	10		0087	71		-283	6																
7	0			72		-283	7																
8							8																
9							9																
10							10																
11							11																
12							12																

Notes:

VESSEL: R/V *Wecoma* CRUISE ID: TN250 PROJECT & LEG: Eco-FOCI AFSC Cruise ID: 1WE10 STATION NO. *34*

CONSC CAST # *03657* LATITUDE: DEG *30* MIN *04* N LONGITUDE: DEG *167* MIN *56* W DAY *26* MO *AUG* YR *10* TIME (GMT) HR *17* MIN *17* DRY BULB (°C) *11.9* WET BULB (°C) *7.9* PRESSURE (mb) *1014* SEA STATE *1* VISIBILITY *185* WIND DIRN. (deg) *110* WIND SPD. (kts) *10* CLOUD (amt) *70* WEATHER *70M/16* BOTTOM DEPTH (m) *70* STA. NAME/ID

SBE 9+ \_\_\_\_\_ FLUOR S/N \_\_\_\_\_ SBE43-Oxy (prime) \_\_\_\_\_ SBE43-Oxy (sec) \_\_\_\_\_  
 PRESS SN \_\_\_\_\_ TRANSMISSOMETER \_\_\_\_\_  
 PRI TEMP SN \_\_\_\_\_ PAR S/N \_\_\_\_\_  
 SEC TEMP SN \_\_\_\_\_ Q2 Temp Sensor No. \_\_\_\_\_  
 SEC COND SN \_\_\_\_\_

No.	Roset.		Hydro Team-PMEL				NIS		NIS	
	DEPTH DESIRED	notes	SALT	Nut:BI	O2-BTLNo	CHL.	No.	No.	No.	No.
1	<i>66</i>			<i>73</i>	<i>145</i>	<i>295</i>	1		1	
2	<i>SD</i>			<i>74</i>	<i>242</i>	<i>295</i>	2		2	
3	<i>40</i>			<i>75</i>		<i>283</i>	3		3	
4	<i>30</i>			<i>76</i>		<i>283</i>	4		4	
5	<i>20</i>			<i>77</i>		<i>283</i>	5		5	
6	<i>10</i>			<i>78</i>		<i>283</i>	6		6	
7	<i>0</i>			<i>79</i>		<i>283</i>	7		7	
8							8		8	
9							9		9	
10							10		10	
11							11		11	
12							12		12	

Notes:



VESSEL: R/V *Wacoma* CRUISE ID: TNZ50 PROJECT & LEG: WE1008b Eco-FOC AFSC Cruise ID: 1WE10 STATION NO.: 035

CONSC CAST #	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)	WEATHER	BOTTOM DEPTH (m)	STA. NAME/ID
03757	31	20N	148	18.23W	26	AUG	10	18	38	08:38	28.2	28.2	203	*	*	167	8	*	*	71	70M17

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

No	Niskin		Hydro Team-PWEL				NIS No	NIS No
	DEPTH DESIRED	notes	SALT	MUT.BI	O2-BI/NO	CHL.		
1	65			80			1	1
2	50		✓ 0088	81		285	2	2
3	40			82		283	3	3
4	30			83		283	4	4
5	20			84		283	5	5
6	10			85		283	6	6
7	0			86	193 197	283	7	7
8							8	8
9							9	9
10							10	10
11							11	11
12							12	12

Notes:

VESSEL: R/V Weconna  
 CRUISE ID: TN250  
 PROJECT & LEG: WE1008b  
 Eco-FOCI: 1WE10  
 AFSC Cruise ID: 1WE10  
 STATION NO.: 36

CONSC CAST # 03857  
 LATITUDE 31.44 N  
 LONGITUDE 16836.79 W  
 DAY 26  
 MO AUG  
 YR 10  
 TIME (GMT) 2002  
 DRY BULB 8.0  
 WET BULB 8.0  
 PRESSURE 1003  
 SEA STATE \* \*  
 VISIBILITY \* \*  
 WIND DIRN. 160  
 WIND SPD. 0  
 CLOUD (amt) \* \*  
 TYPE \* \*  
 WEATHER \* \*  
 BOTTOM DEPTH 70  
 STA. NAME/ID 70M18

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

No.	DEPTH DESIRED	Roset. notes	Hydro. Team-PMEL				NIS No.	NIS	NIS No.	NIS
			SALT	Nut.BU	O2-Btl.No	CHL.				
1	65			87	208			1		
2	50			88		285		2		
3	40			89		283		3		
4	30			90				4		
5	20			91				5		
6	10			92				6		
7	0			93				7		
8								8		
9								9		
10								10		
11								11		
12								12		

Notes:

VESSEL: R/V Weconia  
 CRUISE ID: TN250  
 PROJECT & LEG: WE1008b  
 Eco-FOCI  
 AFSC Cruise ID: 1WE10  
 STATION NO.

CONSC CAST #	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	
039	5	73	5	9	1	16	8	21	07	08.1	8.1	103				142	6				73	M45	
																						74	

REMARKS: \_\_\_\_\_  
 MAX DEPTH = \_\_\_\_\_ m

SBE 9+ \_\_\_\_\_  
 PRESS SN \_\_\_\_\_  
 PRI TEMP SN \_\_\_\_\_  
 SEC TEMP SN \_\_\_\_\_  
 PRI COND SN \_\_\_\_\_  
 SEC COND SN \_\_\_\_\_

FLUOR S/N \_\_\_\_\_  
 SBE43-Oxy (prime) \_\_\_\_\_  
 SBE43-Oxy (sec) \_\_\_\_\_  
 Transmissometer \_\_\_\_\_  
 PAR S/N \_\_\_\_\_  
 O2 Temp Sensor No. \_\_\_\_\_

No	DEPTH DESIRED	Roset. notes	SALT	Hydro Team-PMEL			CHL	NIS															
				NUT.BI	O2-BI.No			No.															
1	65			94	144/178		285	1															
2	50			95			283	2															
3	46			96				3															
4	30			97				4															
5	20			98				5															
6	10			99				6															
7	0			100				7															
8								8															
9								9															
10								10															
11								11															
12								12															

Notes:

VESSEL: R/V Weconma  
 CRUISE ID: TN250  
 PROJECT & LEG: WE1008b  
 Eco-FOCI: WE10  
 AFSC Cruise ID: 1WE10  
 STATION NO.: 38

CONSC CAST #	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
0410	5	74	5.99 N	168	39.95 W	26	AUG	10	22	36	7.9	7.9	103				149	7				71	MYE

REMARKS: noise data coming up low, bottom MAX DEPTH = 71 m  
 to surface

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

No.	DEPTH DESIRED	Roset notes	SALT	Hydro Team-PWEL			CHL	No.	No.	No.
				Nutr Bl	O2-BL No					
1	10			101	234	1107	285	1		
2	50		089	102			283	2		
3	110			103				3		
4	30			104				4		
5	20			105				5		
6	10			106				6		
7	0			107				7		
8								8		
9								9		
10								10		
11								11		
12								12		

Notes: SST

VESSEL WE1008b PROJECT & LEG Eco-FOCI AFSC Cruise ID 1WE10 STATION NO. 39

R/V Wecoma CRUISE ID TN250 WE1008b

CONSC CAST #	DEG	MIN	DEG	MIN	DAY	MO	YR	HR	MIN	DRY BULB (°C)	WET BULB (°C)	PRESSURE (mb)	SEA STATE	VISIBILITY	WIND DIRN. (deg)	WIND SPD. (kts)	CLOUD (amt)	WEATHER	BOTTOM DEPTH (m)	STA. NAME/ID
4257	50	01	168	53	23	AUG	10	11	14	7.9	7.9	4			188	5			70m	W4

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 Trip Sensor No. \_\_\_\_\_

REMARKS  
 Calib for Fluorometer at 115 + 24m  
 MAX DEPTH = 70m

Niskin No.	DEPTH DESIRED	Roset. notes	Hydro Team-PML				N/S No.	N/S
			SALT	Nut. Btl	O2-Bottle No.	DATE		
1	50 ✓				285	1	1	
2	40 ✓				283	2	2	
3	30 ✓				283	3	3	
4	24 ✓				283	4	4	
5	24 ✓				288	5	5	
6	24 ✓				289	6	6	
7	20 ✓				283	7	7	
8	11.5				283	8	8	
9	11.5				277	9	9	
10	11.5				287	10	10	
11	Φ				282	11	11	
12						12	12	

Notes:

VESSEL: R/V *Wecoma* CRUISE ID: **TN250** PROJECT & LEG: Eco-FOCI **WE1008b** AFSC Cruise ID: **1WE10** STATION NO.: **39**

CONSC CAST # **041575** LATITUDE **54.41 N** LONGITUDE **16853.28 W** DAY **27** MO **AUG** YR **10** TIME (GMT) **0035** DRY BULB **7.8** WET BULB **7.8** PRESSURE **3** SEA STATE **3** VISIBILITY **159** WIND DIRN. **3** WIND SPD. **3** CLOUD (amt) **3** TYPE **3** WEATHER **3** BOTTOM DEPTH **70** STA. NAME/ID **M4**

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

REMARKS: *on upcast, salt bad (noisy)*

No	DEPTH		notes	Hydro Team-PMEL				NIS	NIS
	DESIRED	Reset.		SALT	Nut Btl	O2-Btl No	CHL		
1	108	108		108	112		1	1	
2	109	109		110			2	2	
3	110	110		111			3	3	
4	111	111					4	4	
5	112	112					5	5	
6	113	113					6	6	
7	114	114					7	7	
8	115	115					8	8	
9	115	115					9	9	
10	115	115					10	10	
11	115	115					11	11	
12	0	0					12	12	

Notes:



VESSEL: R/V Wecoma  
 CRUISE ID: TN250  
 PROJECT & LEG: WE1008b  
 Eco-FOCI: 1WE10  
 AFSC Cruise ID: 1WE10  
 STATION NO.: 40

CONSC CAST # 04357  
 LATITUDE 46.02 N  
 LONGITUDE 169 11.97 W  
 DAY 27  
 MO AUG  
 YR 10  
 TIME (GMT) 0226  
 DRY BULB 8.5 (°C)  
 WET BULB 8.5 (°C)  
 PRESSURE 4 (mb)  
 SEA STATE \*  
 VISIBILITY \*  
 WIND DIRN. 215 (deg)  
 WIND SPD. 7 (kts)  
 CLOUD (amt) \*  
 WEATHER \*  
 BOTTOM DEPTH 63 (m)  
 STA. NAME/ID TOM22 M40

REMARKS  
 MAX. DEPTH = 70m22  
 SBE 9+  
 PRESS SN  
 PRI TEMP SN  
 SEC TEMP SN  
 PRI COND SN  
 SEC COND SN  
 FLUOR S/N  
 SBE43-Oxy (p/‰)  
 SBE43-Oxy (sec)  
 Transmissometer  
 PAR S/N  
 02 Temp Sensor No.

No.	DEPTH DESIRED	Roset. notes	SALT	Hydro. Team: PMEL			CHL.	No.	No.	No.	No.	No.	No.	No.
				Nut. Bl	02-Btl. No	02-Tmp. No								
1	58			115	221/227		285	1						
2	50			116			283	2						
3	40			117			283	3						
4	30			118			283	4						
5	20			119			↓	5						
6	10						NOT	6						
7	10						283	7						
8	0		XD90	121			↓	8						
9								9						
10								10						
11								11						
12								12						

Notes:

VESSEL: R/V *Wecoma* CRUISE ID: TN250 PROJECT & LEG: WE1008b AASC Cruise ID: 1WE10 STATION NO.: 41

CONSC CAST # 0445754.99N 16900.01W 27 AUG 10 0405 9.0 9.0 4 195 3 76

DEG MIN DEG MIN DAY MO YR HR MIN (C) (C) (mb) WIND DIRN (deg) WIND SPD (kts) CLOUD (amt) TYPE WEATHER BOTTOM DEPTH (m) STA. NAME/ID

FLUOR S/N SBE 43-Oxy (prime) SBE 43-Oxy (sec) Transducer PAR S/N O2 Temp Sensor No.

REMARKS: upcast - lit shells at 10m

No.	DEPTH DESIRED	Roset. notes	Hydro Team-PMEL			CHL.	No.	No.	No.	No.	No.	No.
			SALT	Nut Btl	O2-Btl No							
1	BOT 50	64.5		122	127/126		1					1
2				123		285	2					2
3				124		283	3					3
4				125		283	4					4
5				126			5					5
6				127			6					6
7				128			7					7
8							8					8
9							9					9
10							10					10
11							11					11
12							12					12

Notes:

82



VESSEL: R/V Wecoma  
 CRUISE ID: TN250  
 PROJECT & LEG: WE1008B  
 Eco-FOCI  
 AFSC Cruise ID: 1WE10  
 STATION NO.: 42

CONSC CAST # 0455754.42N  
 LATITUDE 16930.81W  
 DAY 07 AUG 10  
 TIME (GMT) 0603  
 DRY BULB 8.7  
 WET BULB 8.7  
 PRESSURE 5  
 SEA STATE \*  
 VISIBILITY \*  
 WIND DIRN. 205  
 WIND SPD. 8  
 CLOUD (amt) \*  
 TYPE \*  
 WEATHER \*  
 BOTTOM DEPTH 70M23  
 STA. NAME/ID 70M23

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

No.	DEPTH DESIRED	Roset. notes	Hydro Team-PMEL				No.	No.	No.	No.	No.
			SALT	NutBtl	O2-Btl.No	CHL.					
1	Bot		K	129	X222/102	1	1	1	1	1	
2	50		091	130		2	2	2	2	2	
3	40			131		3	3	3	3	3	
4	30			132	283	4	4	4	4	4	
5	20			133	283	5	5	5	5	5	
6	10			134		6	6	6	6	6	
7	0			135	↑	7	7	7	7	7	
8						8	8	8	8	8	
9						9	9	9	9	9	
10						10	10	10	10	10	
11						11	11	11	11	11	
12						12	12	12	12	12	

Notes: SST 30.82

VESSEL: R/V Weconia CRUISE ID: TN250 PROJECT & LEG: EcoFOCI WE1008b AFSC Cruise ID: 1WE10 STATION NO.: 43

CONSC CAST #	DEG	MIN	LATITUDE	DEG	MIN	LONGITUDE	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
846	58	02	53 N	169	40	35 W	27	AUG	10	07	23		8.6	8.6	6			194	9				70	70M24

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

No.	DEPTH DESIRED	Roset. notes	SALT	Hydro. Team-FMEL			CHL.	No.	No.	No.	No.
				NUT.BI	O2-BU.No						
1	65			136			1				
2	50			137		285	2				
3	40			138		283	3				
4	30			139		283	4				
5	20			140			5				
6	10			141			6				
7	0			142			7				
8							8				
9							9				
10							10				
11							11				
12							12				

Notes:

VESSEL: R/V Weconna  
 CRUISE ID: TNZ50  
 PROJECT & LEG: WE1008B  
 Eco-FOCI: WE10  
 AFSO Cruise ID: 1WE10  
 STATION NO.: 44

CONSC CAST # 0475808.822N  
 LATITUDE DEG MIN 16955.08  
 LONGITUDE DEG MIN DAY MO YR 07 AUG 10  
 TIME (GMT) HR MIN 0849  
 DRY BULB (°C) 8.8  
 WET BULB (°C) 8.805  
 PRESSURE (mb) 205  
 SEA STATE \*  
 VISIBILITY \*  
 WIND DIRN. (deg) 205  
 WIND SPD. (kts) 14  
 CLOUD (amt) \*  
 TYPE \*  
 WEATHER \*  
 BOTTOM DEPTH (m) 71  
 STA. NAME/ID 70425

SEC 9+ \_\_\_\_\_  
 FLUOR S/N \_\_\_\_\_  
 SBE43-Oxy (prime) \_\_\_\_\_  
 SBE43-Oxy (sec) \_\_\_\_\_  
 SEC TEMP SN \_\_\_\_\_  
 Transducer \_\_\_\_\_  
 PAR S/N \_\_\_\_\_  
 O2 Temp Sensor No. \_\_\_\_\_  
 REMARKS \_\_\_\_\_  
 MAX DEPTH = \_\_\_\_\_ m

No.	DEPTH DESIRED	Roset. notes	Hydro Team-PHEL				NIS	NIS	NIS
			SALT	Nut.Btl	O2 Btl.No	CHL.			
1	65		143	143	243	283	1	1	1
2	50		144	145	243	285	2	2	2
3	40		145	146	243	283	3	3	3
4	30		146	147	243	283	4	4	4
5	20		147	148	243	283	5	5	5
6	10		148	149	243	283	6	6	6
7	0		149	149	243	283	7	7	7
8							8	8	8
9							9	9	9
10							10	10	10
11							11	11	11
12							12	12	12

Notes: Niskins 1, 2, 3, 4 top valve loose  
 not highwind down



VESSEL: R/V Wecoma  
 CRUISE ID: TN250  
 PROJECT & LEG: WE1008b  
 EGO-FOCI: 1WE10  
 AFSC Cruise ID: 1WE10  
 STATION NO.: 46

CONSC CAST # 0495826.77 N  
 DEG MIN  
 LATITUDE  
 DEG MIN  
 LONGITUDE  
 DAY MO YR  
 27 AUG 10  
 TIME (GMT) HR MIN  
 11 48  
 DRY BULB (°C) 8.9  
 WET BULB (°C) 8.9  
 PRESSURE (mb) 06  
 SEA STATE \* \*  
 VISIBILITY \* \*  
 WIND DIRN. (deg) 220  
 WIND SPD. (kts) 13  
 CLOUD (amt) \* \* \*  
 TYPE \* \* \*  
 WEATHER \* \* \*  
 BOTTOM DEPTH (m) 72  
 STA. NAME/ID TOM23

SBE 9+ \_\_\_\_\_ FLUOR S/N \_\_\_\_\_  
 PRESS SN \_\_\_\_\_ SBE43-Oxy (prime) \_\_\_\_\_  
 PPI TEMP SN \_\_\_\_\_ SBE43-Oxy (sec) \_\_\_\_\_  
 SEC TEMP SN \_\_\_\_\_ Transducer \_\_\_\_\_  
 PAR COND SN \_\_\_\_\_ PAR S/N \_\_\_\_\_  
 SEC COND SN \_\_\_\_\_ 02 Temp Sensor No. \_\_\_\_\_

No	DEPTH DESIRED	notes	Hydro Team-PMEL				SALT	Nut:BI	02-BI:No	CHL	N/S No	N/S	N/S No
			SALT	Nut:BI	02-BI:No	CHL							
1	67			157						1		1	
2	50		0093	158					1285	2		2	
3	40			159					1283	3		3	
4	30			160						4		4	
5	20			161						5		5	
6	10			162						6		6	
7	0			163	1219					7		7	
8										8		8	
9										9		9	
10										10		10	
11										11		11	
12										12		12	

Notes:

VESSEL: R/V *Weconia* CRUISE ID: *TN250* PROJECT & LEG: *WE1008b* Eco-FOCI: *1WE10* AFSC Cruise ID: *1WE10* STATION NO.: *47*

CONSC CAST # *0505837.03* N LATITUDE: *17016.52* W LONGITUDE: *27 AUG 10* DAY: *27* MO: *AUG* YR: *10* TIME (GMT) HR: *13* MIN: *25* DRY BULB (°C): *8.7* WET BULB (°C): *8.7* PRESSURE (mb): *06* SEA STATE: *•* VISIBILITY: *•* WIND DIRN. (deg): *216* WIND SPD. (kts): *15* CLOUD (amt): *•* TYPE: *•* WEATHER: *•* BOTTOM DEPTH (m): *71* STA. NAME/ID: *70M28*

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

NIS No.	DEPTH DESIRED	Roset. notes	Hydro Team-PMEL			NIS No.	NIS No.
			SALT	Nut:Bri	O2-Btl:No		
1	65			164	✓235	✓285	1
2	50			165		✓283	2
3	40			166		✓283	3
4	30			167		✓283	4
5	20			168		✓283	5
6	10			169		✓283	6
7	0			170		✓283	7
8							8
9							9
10							10
11							11
12							12

Notes:



VESSEL: WE1008b  
 CRUISE ID: TN250  
 PROJECT & LEG: Eco-FOCI  
 AFSC Cruise ID: 1WE10  
 STATION NO.: 48

CONSC CAST # 051  
 DEG 58 MIN 46.47 N  
 LONGITUDE DEG 170 MIN 17.61 W DAY 27 MO AUG YR 10  
 TIME (GMT) 14 HR 48 MIN 08.4  
 DRY BULB 8.4  
 WET BULB 8.4  
 PRESSURE 1016 (mb)  
 SEA STATE \*  
 VISIBILITY \*  
 WIND DIRN. (deg) 212  
 WIND SPD. (kts) 17  
 CLOUD (amt) \*  
 TYPE \*  
 WEATHER \*  
 BOTTOM DEPTH (m) 70  
 STA. NAME/ID ZDM29

SBE 9+ FLUOR S/N  
 SBE43-Oxy (prime)  
 SBE43-Oxy (sec)  
 Transducer  
 PAR S/N  
 O2 Temp Sensor No.

No.	DEPTH	Roset. notes	SALT	Hydro Team-PMEL		CHL	N/S	N/S	N/S	N/S
				Nut:Br	O2-Btl.No					
1	65			171			1			1
2	50			172		285	2			2
3	40			173		283	3			3
4	30			174			4			4
5	20			175			5			5
6	10		-095	176			6			6
7	0			177	145		7			7
8							8			8
9							9			9
10							10			10
11							11			11
12							12			12

Notes:

VESSEL: R/V Weconra  
 CRUISE ID: TN250  
 PROJECT & LEG: WE1008b  
 Eco-FOCI: Eco-FOCI  
 AESC Cruise ID: 1WE10  
 STATION NO.: 49

CONSC CAST #	DEG	MIN	DEG	MIN	DAY	MO	YR	HR	MIN	TIME (GMT)	DRY BULB (°C)	WET BULB (°C)	PRESSURE (mb)	SEA STATE	VISIBILITY	WIND DIRNL (deg)	WIND SPD. (kts)	CLOUD (amt)	TYPE	WEATHER	BOTTOM DEPTH (m)	STA. NAME/ID
05258	56.91	N	170.19	65	27	AUG	10	16	09	8.4	8.4	06				231	25				710	70W30

REMARKS: \_\_\_\_\_  
 MAX DEPTH = \_\_\_\_\_ m

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

No.	DEPTH DESIRED	Rosset. notes	SALT	Hydro Team-PMEL			CHL	No.	No.	No.	No.
				NUTRI	O2-BTL No						
1	65			178	242		1				1
2	50			179		285	2				2
3	40			180		283	3				3
4	30			181			4				4
5	20			182			5				5
6	10			183			6				6
7	0			184			7				7
8							8				8
9							9				9
10							10				10
11							11				11
12							12				12

Notes:



VESSEL: R/V Weconia  
 CRUISE ID: TN250  
 PROJECT & LEG: Eco-FOG  
 AFSC Cruise ID: 1WE10  
 STATION NO.: 50

CONSC CAST #: 053  
 DEG: 59  
 MIN: 06.43 N  
 DEG: 170  
 MIN: 14.82 W  
 DAY: 27  
 MO: AUG  
 YR: 10  
 TIME (GMT): 1726  
 DRY BULB: 8.1  
 WET BULB: 8.1  
 PRESSURE: 106  
 SEA STATE: \*  
 VISIBILITY: \*  
 WIND DIRN: 221  
 WIND SPD: 14  
 CLOUD (amt): \*  
 TYPE: \*  
 WEATHER: \*  
 BOTTOM DEPTH: 67  
 STA. NAME/ID: 70M31

LATTITUDE		LONGITUDE		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
59	06.43 N	170	14.82 W	27	AUG	10	17	26	8.1	8.1	106	*	*	221	14	*	*	*	67	70M31

REMARKS: \_\_\_\_\_

SBE 9+ \_\_\_\_\_  
 PRESS SN \_\_\_\_\_  
 PBI TEMP SN \_\_\_\_\_  
 SEC TEMP SN \_\_\_\_\_  
 PBI COND SN \_\_\_\_\_  
 SEC COND SN \_\_\_\_\_

FLUOR S/N \_\_\_\_\_  
 SBE-43-Oxy (p/‰) \_\_\_\_\_  
 SBE-43-Oxy (sec) \_\_\_\_\_  
 Transmissometer \_\_\_\_\_  
 PAR S/N \_\_\_\_\_  
 O2 Temp Sensor No. \_\_\_\_\_

No.	DEPTH DESIRED	Roset. notes	SALT	Hydro Team-P/MEL			CHL.	NIS No.	NIS
				NUTRI	O2-BI.LNO				
1	607			185			1	1	
2	50		~0096	186		285	2	2	
3	40			187		283	3	3	
4	30			188			4	4	
5	20			189			5	5	
6	10			1			6	6	
7	0			2	~197	↑	7	7	
8							8	8	
9							9	9	
10							10	10	
11							11	11	
12							12	12	

Notes:

VESSEL: CRUISE ID: TN250 PROJECT & LEG: WE1008B AFSC Cruise ID: 1WE10 STATION NO. 51

R/V: Weconna  
 CONSC CAST #: 05459  
 LATITUDE: 14.80 N  
 LONGITUDE: 17024.71 W  
 DAY: 27 AUG 10  
 TIME (GMT): 1844  
 DRY BULB (°C): 8.5  
 WET BULB (°C): 8.5  
 PRESSURE (mb): 07  
 SEA STATE: \* \*  
 VISIBILITY: \* \*  
 WIND DIRN. (deg): 242  
 WIND SPD. (kts): 16  
 CLOUD (amt): \* \*  
 TYPE: \* \*  
 WEATHER: \* \*  
 BOTTOM DEPTH (m): 67  
 STA. NAME/ID: FDM32

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

No.	DEPTH DESIRED	NOTES	SALT	Hydro Team-PMEL			CHL.	NIS No.	NIS	NIS No.	NIS
				Nut.BtI	O2-BtLNo						
1	62			3	✓175			1		1	
2	50			4			285	2		2	
3	40			5			283	3		3	
4	30			6				4		4	
5	20			7				5		5	
6	10			8				6		6	
7	0			9				7		7	
8								8		8	
9								9		9	
10								10		10	
11								11		11	
12								12		12	

Notes:

VESEL: R/V Weconra  
 CRUISE ID: TN250  
 PROJECT & LEG: WE1008b  
 Eco-FOCI: 1WE10  
 AFSC Cruise ID: 1WE10  
 STATION NO.: 52

CONSC CAST # 0555939.29 N  
 LATITUDE 17039.29 W  
 DEGREE MIN DAY MO YR HR MIN  
 05 59 39 29 27 AUG 10 2000  
 LONGITUDE 17039.29 W  
 DEGREE MIN DAY MO YR HR MIN  
 17 03 9 29 27 AUG 10 2000  
 TIME (GMT) 2000  
 DRY BULB 8.6  
 WET BULB 8.6  
 PRESSURE 1007  
 SEA STATE \* \*  
 VISIBILITY \* \*  
 WIND DIRN. 199 (deg)  
 WIND SPD. 17 (kts)  
 CLOUD (amt) \* \* \*  
 WEATHER \* \* \*  
 BOTTOM DEPTH 74 (m)  
 STA. NAME/ID 70M33

REMARKS: \_\_\_\_\_  
 MAX DEPTH = \_\_\_\_\_ m

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

No.	DEPTH	Roset. notes	SALT	Hydro Team-PMEL			CHL.	No.	No.	No.	No.	No.
				MULBtl	O2-Btl.No							
1	64			10			1					1
2	50			11		285	2					2
3	40			12		283	3					3
4	30			13			4					4
5	20			14			5					5
6	10			15			6					6
7	0		1097	16	58	↓	7					7
8							8					8
9							9					9
10							10					10
11							11					11
12							12					12

Notes:

VESSEL: R/V Weconia  
 CRUISE ID: TN250  
 PROJECT & LEG: WE1008b  
 Eco-FOCI: 1WE10  
 AFSC Cruise ID: 1WE10  
 STATION NO.: 53

CONSC CAST # 05165926.12N  
 LATITUDE DEG MIN 17054.32 W  
 DAY MO YR 27 AUG 10  
 TIME (GMT) HR MIN 21 23  
 DRY BULB (°C) 8.6  
 WET BULB (°C) 8.6  
 PRESSURE (mb) \* \*  
 SEA STATE \* \*  
 VISIBILITY \* \*  
 WIND DIRN (deg) 189  
 WIND SPD (kts) 16  
 CLOUD (amt) \* \*  
 WEATHER TYPE \* \*  
 BOTTOM DEPTH (m) 73  
 STA. NAME/ID 70M34

REMARKS: FL. MOTT  
 Submy (bottom layer 30-40m) 1.5  
 bleeder values all over on recovery

No.	DEPTH	Roset. notes	Hydro. Team-FMEL			NIS	NIS
			SALT	Nut.Btl	O2-Btl.No		
1	10	165		17	x208	1	1
2	50			18		2	2
3	40			19		3	3
4	30			20		4	4
5	20			21		5	5
6	10			22		6	6
7	0			23		7	7
8						8	8
9						9	9
10						10	10
11						11	11
12						12	12

Notes:

VESSEL: R/V Weconia  
 PROJECT & LEG: WE1008B  
 Eco-FOCI: WE10  
 AFSC Cruise ID: 1WE10  
 STATION NO.: 54

CONSC CAST # 0575193  
 LATITUDE 5.71 N  
 LONGITUDE 17055.37 W  
 DAY 27  
 MO AUG  
 YR 10  
 HR 22  
 MIN 48  
 TIME (GMT) 8.7  
 DRY BULB 8.7  
 WET BULB 8.6  
 PRESSURE 6  
 SEA STATE  
 VISIBILITY  
 WIND DRN 18  
 WIND SPD 18  
 CLOUD (amt)  
 TYPE  
 WEATHER  
 BOTTOM DEPTH 72  
 STA. NAME/ID 901135  
 MAX DEPTH = 71

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

REMARKS: 30m Chlorophyll max  
 jellyfish overcast at 20m

No	DEPTH	Roset notes	SALT	Hydro. Team-FMEL			CHL	NIS	NIS	NIS
				NUL.BI	O2-BI.No					
1	Bot	67'	x	29				1		1
2	50			25			285	2		2
3	40			26			283	3		3
4	30			27				4		4
5	20			28				5		5
6	10			29	144			6		6
7	0			30				7		7
8								8		8
9								9		9
10								10		10
11								11		11
12								12		12

Notes:

VESSEL: WE1008b PROJECT & LEG: Eco-FOCI AFSC Cruise ID: 1WE10 STATION NO.: 55

R/V: Weconra CRUISE ID: TN250

CONSC CAST #		LATITUDE			LONGITUDE			TIME (GMT)		DRY BULB	WET BULB	PRESSURE	SEA STATE	VISIBILITY	WIND DIRN.	WIND SPD.	CLOUD (amt)	TYPE	WEATHER	BOTTOM DEPTH	STA. NAME/ID
DEG	MIN	DEG	MIN	DAY	MO	YR	HR	MIN	(°C)	(°C)	(mb)	*	*	(deg)	(kts)	*	*	*	(m)		
05	29	42	.94	N	17	10	08	.49	W	28	AUG	10	00	08	8.8	8.8	7			72	70M36

SBE 9+ \_\_\_\_\_ FLUOR S/N \_\_\_\_\_  
 PRESS SN \_\_\_\_\_ SBE43-Oxy (prme) \_\_\_\_\_  
 PAR TEMP SN \_\_\_\_\_ SBE43-Oxy (sec) \_\_\_\_\_  
 SEC TEMP SN \_\_\_\_\_ Transmissometer \_\_\_\_\_  
 PAR COND SN \_\_\_\_\_ PAR S/N \_\_\_\_\_  
 SEC COND SN \_\_\_\_\_ 02 Temp Sensor No. \_\_\_\_\_

REMARKS: \_\_\_\_\_

MAX DEPTH = \_\_\_\_\_ m

No.	DEPTH DESIRED	ROSET. notes	SALT	Hydro Team-PMEL			CHL.	NIS		NIS No.
				Nat.Br	O2-BRLNo			No.		
1	Bot			31			285	1		1
2	50			32			285	2		2
3	40		98	33			283	3		3
4	35			34				4		4
5	20			35				5		5
6	10			36		178		6		6
7	0			37				7		7
8								8		8
9								9		9
10								10		10
11								11		11
12								12		12

Notes:



VESSEL: WE1008b CRUISE ID: TN250 PROJECT & LEG: EcoFOCI AFSC Cruise ID: 1WE10 STATION NO. 526

R/V: Weconra

CONSC CAST # 05959 DEG 46 MIN 63 N LONGITUDE DEG 171 MIN 26.91 W DAY 28 MO AUG YR 10 HR 01 MIN 41 TIME (GMT) DRY BULB 8.8 WET BULB 8.8 PRESSURE 8.8 SEA STATE 6 VISIBILITY 19 WIND DIRN. 171 WIND SPD. 18 CLOUD (amt) TYPE WEATHER BOTTOM DEPTH 73 STA. NAME/ID 70M37

FLUOR S/N SBE43-Oxy (prime) SBE43-Oxy (sec) Transmissometer PAR S/N O2 Temp Sensor No. REMARKS: On upcast, jellyfish at 10m

SEC COND SN PRI COND SN SEC TEMP SN PRI TEMP SN PRESS SN SBE 9+

No.	DEPTH	DESIRED	notes	Hydro Team-P&MEL				NIS	No.	NIS
				SALT	NUTRBI	O2-BTL No	CHL.			
1	bot	47			38	239		1	1	
2	50				39		285	2	2	
3	40				40		283	3	3	
4	30				41			4	4	
5	20				42			5	5	
6	15				43			6	6	
7	0				44		↑	7	7	
8								8	8	
9								9	9	
10								10	10	
11								11	11	
12								12	12	

Notes:

VESSEL: R/V Wecoma  
 CRUISE ID: TN250  
 PROJECT & LEG: WE1008B  
 Eco-FOCI  
 ATSC Cruise ID: 1WE10  
 STATION NO.: 57

CONSC CAST # 0605953.89  
 LATITUDE 17 11 5.48 N  
 LONGITUDE 128 18 8.6 W  
 DAY 28 AUG 10  
 TIME (GMT) 03 18 03  
 DRY BULB 8.6 (°C)  
 WET BULB 8.6 (°C)  
 PRESSURE 6 (mb)  
 SEA STATE \* \*  
 VISIBILITY \* \*  
 WIND DIRN (deg) 190  
 WIND SPD. (kts) 18  
 CLOUD (amt) \* \* \*  
 WEATHER \* \* \*  
 BOTTOM DEPTH (m) 73  
 STA. NAME/ID MSE

REMARKS: Jelly affecting 10  
 MAX DEPTH = 71 m

No.	DEPTH DESIRED	Roset. notes	Hydro Team-PMEL				CHL.	No.	NIS	No.	NIS
			SALT	NUT.BI	O2-BI.No						
1	Surf	45	X 299	45	107		1				
2	50			46		285	2				
3	40			47		283	3				
4	30			48			4				
5	20			49			5				
6	10			50			6				
7	0			51			7				
8							8				
9							9				
10							10				
11							11				
12							12				

Notes:



VESSEL: R/V Wecoma  
 CRUISE ID: TN250  
 PROJECT & LEG: WE1008B  
 Eco-FOCI: WE10  
 AFSC Cruise ID: 1WE10  
 STATION NO.: 58

CONSC CAST #	DEG	MIN	DEG	MIN	DAY	MO	YR	HR	MIN	DRY BULB (°C)	WET BULB (°C)	PRESSURE (mb)	SEA STATE	VISIBILITY	WIND DIRN (deg)	WIND SPD. (kts)	CLOUD (amt)	WEATHER	BOTTOM DEPTH (m)	STA. NAME/ID
06159	42	41	171	30	28	AUG	10	04	51	08.8	8.5	6			195	18			74	M55
REMARKS: MAX. DEPTH = 73																				

NSKIN: \_\_\_\_\_  
 SBE 9+ \_\_\_\_\_  
 PRESS SN \_\_\_\_\_  
 PRI TEMP SN \_\_\_\_\_  
 SEC TEMP SN \_\_\_\_\_  
 PRI COND SN \_\_\_\_\_  
 SEC COND SN \_\_\_\_\_  
 O2 Temp Sensor No. \_\_\_\_\_

No.	DEPTH DESIRED	Rosset. notes	Hydro Team-PMEL				N/S No.	N/S
			SALT	Nur.Bri	O2-BRI.No	CHL.		
1	Bot	64		52			1	
2	50			53	147	285	2	
3	40			54		283	3	
4	30			55			4	
5	20			56			5	
6	10			57			6	
7	0			58			7	
8							8	
9							9	
10							10	
11							11	
12							12	

Notes:

VESSEL: WE1008B  
 CRUISE ID: TN250  
 PROJECT & LEG: Eco-FOCI  
 AFSC Cruise ID: 1WE10  
 STATION NO.: 59

R/V: Weconia  
 CONSC CAST #: 0625953.54  
 LATITUDE: 17 14.2 N  
 LONGITUDE: 171 14.2 W  
 DATE: 28 AUG 10  
 TIME (GMT): 0729  
 DRY BULB: 8.6  
 WET BULB: 8.6  
 PRESSURE: 6  
 SEA STATE: \*  
 VISIBILITY: \*  
 WIND DIRN: 185  
 WIND SPD: 13  
 CLOUD (amt): \*  
 WEATHER: \*  
 BOTTOM DEPTH: 71  
 STA. NAME/ID: M5 70438

REMARKS: *Calid Sta*  
 SBE 9+  
 PRESS SN  
 PRI TEMP SN  
 SEC TEMP SN  
 PRI COND SN  
 SEC COND SN  
 FLUOR S/N  
 SBE#3-Oxy (prime)  
 SBE#3-Oxy (sec)  
 Transmissometer  
 PAR S/N  
 O2 Temp Sensor No.

NO.	Roset		Hydro Team: PMEL				NIS NO.	NIS
	DEPTH	NOTES	SALT	NUL BH	O2 BH/NO	CHL		
1	bot	67		59	231	X 285	1	1
2	50			60		X 285	2	2
3	40		X	61		X 287	3	3
4	30			62		X 289	4	4
5	24			63		X 277	5	5
6	24					X 288	6	6
7	24					X 283	7	7
8	20	Chl mot		64			8	8
9	11.5			65		X 283	9	9
10	11.5					X 283	10	10
11	11.5					X 283	11	11
12	0			66		X 283	12	12

Notes:

VESSEL: R/V Wecoma  
 CRUISE ID: TN250  
 PROJECT & LEG: EcoFOCI  
 AFSC Cruise ID: 1WE10  
 STATION NO.: 68

CONSC CAST #	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)	WEATHER	BOTTOM DEPTH (m)	STA. NAME/ID
06360	04	49	17	59	28	AUG	10	09	21	0921	28.7	28.6	05			181	16			62	MSU

REMARKS: \_\_\_\_\_  
 MAX DEPTH = \_\_\_\_\_ m

Niskin No.	DEPTH DESIRED	Roset. notes	Hydro Team-PWEL				NIS No.	NIS No.
			SALT	Mit. Btl	O2-Btl No.	CHL.		
1	57			67	1221	1	1	
2	50			68		2	2	
3	46			69		3	3	
4	36			70		4	4	
5	20			71		5	5	
6	10		10101	72		6	6	
7	0			73		7	7	
8						8	8	
9						9	9	
10						10	10	
11						11	11	
12						12	12	

Notes:

VESSEL: R/V Weconia  
 CRUISE ID: TN250  
 PROJECT & LEG: WE1008b  
 EcoFOCI  
 AFSC Cruise ID: 1WE10  
 STATION NO.: 61

CONSC CAST #  
 DEGREE MIN  
 DEGREE MIN  
 DAY MONTH YEAR  
 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

0645953.87N  
 17210.00W  
 28 AUG 10  
 1053  
 8.7  
 8.6  
 05  
 165  
 14  
 72

70M39  
 WSW

REMARKS  
 MAX DEPTH =

NSkillin	DEPTH	Roset	Hydro Team-PHEL				NIS	NIS	NIS
			SALT	NUTRI	O2-BTLNo	CHL			
No	DESIRED	notes				No		No	
1	67			74		1		1	
2	50			75		2		2	
3	40			76	283	3		3	
4	30			77		4		4	
5	20			78		5		5	
6	10			79		6		6	
7	0			80	W	7		7	
8						8		8	
9						9		9	
10						10		10	
11						11		11	
12						12		12	

Notes:

VESSEL: R/V *Wacoma* CRUISE ID: **TN250** PROJECT & LEG: Eco-FOCI **1WE10** AFSC Cruise ID: **1WE10** STATION NO. *62*

CONSC CAST # *0655954* LATITUDE: *54.67* N DEGREE: *17224* MINUTE: *12* W DAY: *28* MO: *AUG* YR: *10* TIME (GMT): *1207* HR: *12* MIN: *07* DRY BULB (°C): *8.6* WET BULB (°C): *8.6* PRESSURE (mb): *05* SEA STATE: *1* VISIBILITY: *18014* WIND DIRN. (deg): *180* WIND SPD. (kts): *14* CLOUD (amt): *1* TYPE: *1* WEATHER: *1* BOTTOM DEPTH (m): *73* STA. NAME/ID: *70M410*

REMARKS: *MAX DEPTH = 73 m*

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

No.	DEPTH DESIRED	Roset. notes	Hydro Team-PMEL			NIS No.	NIS
			SALT	NUT.BI	O2-BI.No		
1	68		10102	81	1167	1	1
2	50			82		2	2
3	40			83		3	3
4	30			84		4	4
5	20			85		5	5
6	10			86		6	6
7	5			87		7	7
8						8	8
9						9	9
10						10	10
11						11	11
12						12	12

Notes:

VESSEL: R/V Weconra  
 CRUISE ID: TN250  
 PROJECT & LEG: WE1008B  
 Eco-FOCI: WE10  
 AFSC Cruise ID: 1WE10  
 STATION NO.: 63

066  
 CONSC CAST #  
 DEG MIN LATITUDE  
 DEG MIN LONGITUDE  
 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  
 17244.85 W 28 AUG 10 1316 8.7 8.705 18115 67  
 TOM 41

SBE 9+ FLUOR S/N  
 SBE43-Oxy (prme)  
 SBE43-Oxy (sec)  
 Transmissometer  
 PAR S/N  
 O2 Temp Sensor No.  
 REMARKS  
 MAX DEPTH = m

No.	DEPTH	ROSET.	notes	Hydro Team-PMEL				NIS	NIS
				SALT	NUT:BI	O2-BTLNO	CHL		
1	62				88			1	1
2	50				89		285	2	2
3	40				90		293	3	3
4	30				91			4	4
5	20				92			5	5
6	10				93			6	6
7	0				94	1060		7	7
8								8	8
9								9	9
10								10	10
11								11	11
12								12	12

Notes:

VESSEL: **CRUISE ID TN250** PROJECT & LEG: **WE1008b** Eco-FOCI: **1WE10** AFSC Cruise ID: **1WE10** STATION NO.: **64**

R/V: **Weconra**

CONSC CAST #	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	
060760	02	23	N	173	00	39	W	28	AUG	10	14	31	8.9	8.9	8.05	117	211					66	ZOM 42

REMARKS: \_\_\_\_\_  
 MAX DEPTH = \_\_\_\_\_ m

SBE 9+ \_\_\_\_\_ FLUOR S/N \_\_\_\_\_  
 PRESS SN \_\_\_\_\_ SBE 43-Oxy (preme) \_\_\_\_\_  
 PPI TEMP SN \_\_\_\_\_ SBE 43-Oxy (sec) \_\_\_\_\_  
 SEC TEMP SN \_\_\_\_\_ Transmissometer \_\_\_\_\_  
 PPI COND SN \_\_\_\_\_ PAR S/N \_\_\_\_\_  
 SEC COND SN \_\_\_\_\_ 02 Temp Sensor No. \_\_\_\_\_

No.	DEPTH DESIRED	Roset notes	SALT	Hydro Team-PNEL			CHL	No.	No.	No.	No.
				MIL/BI	02-BI/No						
1	63			95	222		1				
2	50			96		285	2				
3	40			97		283	3				
4	30			98			4				
5	20			99			5				
6	10			100			6				
7	0		✓0103	101			7				
8							8				
9							9				
10							10				
11							11				
12							12				

Notes:



VESSEL: R/V *Wacoma* CRUISE ID: TN250 PROJECT & LEG: WE1008B ARSC Cruise ID: 1WE10 STATION NO.: 65

CONSC CAST #: 068  
 DEG: 60  
 MIN: 04  
 LATITUDE: 03 N  
 DEG: 173  
 MIN: 19  
 LONGITUDE: 02 W  
 DAY: 28  
 MO: AUG  
 YR: 10  
 TIME (GMT): 1540  
 HR: 8  
 MIN: 40  
 DRY BULB (°C): 8.9  
 WET BULB (°C): 8.9  
 PRESSURE (mb): 05  
 SEA STATE: \*  
 VISIBILITY: \*  
 WIND DIRN (deg): 145  
 WIND SPD (kts): 13  
 CLOUD (amt): \*  
 TYPE: \*  
 WEATHER: \*  
 BOTTOM DEPTH (m): 70  
 STA. NAME/ID: 70M43

SBE 9+ \_\_\_\_\_ FLUOR S/N \_\_\_\_\_  
 PRESS SN \_\_\_\_\_ SBE4-3-Oxy (prime) \_\_\_\_\_  
 PRI TEMP SN \_\_\_\_\_ SBE4-3-Oxy (sec) \_\_\_\_\_  
 SEC TEMP SN \_\_\_\_\_ Transmissometer \_\_\_\_\_  
 PRI COND SN \_\_\_\_\_ PAR S/N \_\_\_\_\_  
 SEC COND SN \_\_\_\_\_ O2 Temp Sensor No. \_\_\_\_\_

NS	Niskin		Roset		Hydro Team-PHEL		NS	No.	No.	No.	No.	No.	No.	No.	No.	No.	No.	No.
	DEPTH	DESIRED	NOTES	SALT	Nut.Bt	O2-Bt/No												
1	65			102			1											
2	50			103			2											
3	40			104			3											
4	30			105			4											
5	20			106			5											
6	10			107			6											
7	0			108	-182		7											
8							8											
9							9											
10							10											
11							11											
12							12											

Notes:



VESSEL: CRUISE ID: TN250 PROJECT & LEG: Eco-FOCI AFSC Cruise ID: 12WE10 STATION NO. 3160

R/V: Wacoma WE1008B

CONSC CAST # 06960  
 DEG 60 MIN 15.11 N  
 DEG 17331.32 W  
 DAY 28 MO AUG YR 10  
 TIME (GMT) 1708 HR MIN  
 DRY BULB (°C) 9.0  
 WET BULB (°C) 8.9  
 PRESSURE (mb) 04  
 SEA STATE \* \* \*  
 VISIBILITY \* \* \*  
 WIND DIRN. (deg) 141  
 WIND SPD. (kts) 13  
 CLOUD (amt) \* \* \*  
 TYPE \* \* \*  
 WEATHER \* \* \*  
 BOTTOM DEPTH (m) 70  
 STA. NAME/ID TOM44

REMARKS: MAX. DEPTH = m

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

No.	DEPTH DESIRED	Roset. notes	Hydro. Team-PMEL				NIS No.	NIS	NIS No.
			SALT	NUT.BI	O2-BTLNO	CHL.			
1	65			109	✓058		1		1
2	50			110		285	2		2
3	40			111		283	3		3
4	30			112			4		4
5	20			113			5		5
6	10			114			6		6
7	0			115		↑	7		7
8							8		8
9							9		9
10							10		10
11							11		11
12							12		12

Notes:

VESSEL: R/V *Wecoma* CRUISE ID: TN250 PROJECT & LEG: Eco-FOCI STATION NO. *67*  
 WE1008B AFSC Cruise ID: 1WE10

CONSC CAST #	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
07060	25	50	N 17335	51	W	28	AUG	10	18	16		8.5	8.5	05			115	13				65	<i>Tom45</i>

REMARKS: \_\_\_\_\_  
 MAX DEPTH = \_\_\_\_\_ m

SBE 9+ \_\_\_\_\_ FLUOR S/N \_\_\_\_\_  
 SBE43-Oxy (p/line) \_\_\_\_\_  
 SBE43-Oxy (sec) \_\_\_\_\_  
 Transmission \_\_\_\_\_  
 PAR S/N \_\_\_\_\_  
 O2 Temp Sensor No. \_\_\_\_\_

No.	DEPTH DESIRED	Roset notes	Hydro Team-PMEL			NIS No.	NIS	NIS No.
			SALT	NUT.BI	O2-BI.No			
1	60			116		1		1
2	50			117		2		2
3	40			118		3		3
4	30			119		4		4
5	20			120		5		5
6	10			121		6		6
7	0			122	243	7		7
8						8		8
9						9		9
10						10		10
11						11		11
12						12		12

Notes:

VESSEL: R/V *Wacona* CRUISE ID: TN250 PROJECT & LEG: Eco-FOCI AFSC Cruise ID: 1WE10 STATION NO. *5768*

CONSC CAST # 07160034.32N 17338.90W 28 AUG 10 1925 8.5 8.505 10614 68

DEG MIN DEG MIN DAY MO YR HR MIN (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 *70M46*

SBE 9+ FLUOR S/N SBE43-Oxy (prime) SBE43-Oxy (sec) Transmissometer PAR S/N O2 Tnd Sensor No.

REMARKS: \_\_\_\_\_

MAX DEPTH = \_\_\_\_\_ m

No	DEPTH DESIRED	Roset. notes	Hydro Team-PNEL				NIS No.	NIS No.
			SALT	Nat.Br	O2-Br.No	CHL.		
1	63		✓	123	218	1	1	
2	50			124		2	2	
3	40			125		3	3	
4	30			126		4	4	
5	20			127		5	5	
6	10			128		6	6	
7	0			129		7	7	
8						8	8	
9						9	9	
10						10	10	
11						11	11	
12						12	12	

Notes:

VESSEL: R/V Wecoma  
 CRUISE ID: TN250  
 PROJECT & LEG: WE1008B  
 AISC Cruise ID: 1WE10  
 STATION NO.: 69

CONSC CAST #	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)	WEATHER TYPE	BOTTOM DEPTH (m)	STA. NAME/ID
0226	04	44	17	33	08	AUG	10	20	38	08:38	8.8	8.8	808			108	12			71	70W47

REMARKS: 10 → 0, 0 → 6 (pump etc), 6 → 0 (on) MAX DEPTH =  
 their data processing may need to be manual

No.	DEPTH DESIRED	Roset. notes	SALT	Hydro Team-PMEL		CHL.	No.	No.	No.
				NutBtl	O2-BTLNO				
1	66		X104	130	X219		1		
2	50			131		285	2		
3	40			132		283	3		
4	35			133			4		
5	20			134			5		
6	10			135			6		
7	0			136			7		
8							8		
9							9		
10							10		
11							11		
12							12		

Notes:

VESSEL: R/V *Wecoma* CRUISE ID: **TN250** PROJECT & LEG: **WE1008** Eco-FOCI AFSC Cruise ID: **1WE10** STATION NO.: **70**

CONSC CAST #	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)	WEATHER	BOTTOM DEPTH (m)	STA. NAME/ID	
<b>07360</b>		<b>54</b>	<b>42 N</b>		<b>17349</b>	<b>48 W</b>	<b>28</b>	<b>AUG</b>	<b>10</b>	<b>22</b>	<b>15</b>	<b>9</b>	<b>2</b>	<b>9</b>	<b>12</b>	<b>6</b>	<b>0</b>	<b>97</b>	<b>12</b>			<b>79</b>	<b>70448</b>

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

No.	DEPTH		SALT	Hydro Team-P/MEL		CHL	REMARKS																
	DESIRED	notes		Nut.Bt	O2-Btl.No		MAX DEPTH =																
1	71			137																			
2	50			138		285																	
3	40			139		283																	
4	30			140																			
5	25			141																			
6	10			142																			
7	0			143																			
8																							
9																							
10																							
11																							
12																							

Notes:



VESSEL: R/V Weconra  
 CRUISE ID: TN250  
 PROJECT & LEG: WE1008  
 Eco-FOCI: 1WE10  
 AFSC Cruise ID: 1WE10  
 STATION NO.: 72

CONSC CAST #	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
075	11	14	173	44	49	29	AUG	10	01	22	09:09	9.9	9.1				446	46				74	70M5R

REMARKS: Cast restarted jelly problems on first try  
 All part of 28m, 50 Bad at Surf Blt  
 MAX DEPTH = 69 m

No.	DEPTH		SALT	Hydro Team-PMEL			CHL.	NIS No.
	DESIRED	notes		Nut:BN	O2-Btl/No			
1	130			151	175	283	1	
2	50			152		285	2	
3	40			153			3	
4	30			154			4	
5	20			155			5	
6	10			156			6	
7	0			157			7	
8							8	
9							9	
10							10	
11							11	
12							12	

Notes:

VESSEL: R/V Wecoma  
 CRUISE ID: TN250  
 PROJECT & LEG: WE1008  
 Eco-FOCI  
 AFSC Cruise ID: 1WE10  
 STATION NO. 73

CONSC CAST #  
 DEG MIN  
 43 65 124 . 64 N  
 LONGITUDE  
 DEG MIN  
 173 44 . 17 W  
 DAY MO YR  
 29 AUG 10  
 TIME (GMT)  
 HR MIN  
 02 31  
 DRY BULB (°C)  
 9 . 9  
 WET BULB (°C)  
 9 . 5  
 PRESSURE (mb)  
 08  
 SEA STATE \*  
 VISIBILITY \*  
 WIND DIRN. (deg)  
 42  
 WIND SPD. (kts)  
 7  
 CLOUD (amt) \*  
 TYPE \*  
 WEATHER \*  
 BOTTOM DEPTH (m)  
 74  
 STA. NAME/ID  
 76m51

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

Niskin No.	DEPTH DESIRED	Roset. notes	Hydro Team-PMEL				CHL.	NIS No.
			SALT	Nut.Bt	O2-Bt/No			
1	69			158	197	285	1	
2	50			159		289	2	
3	40			160			3	
4	30			161			4	
5	20			162			5	
6	10			163			6	
7	0			164			7	
8							8	
9							9	
10							10	
11							11	
12							12	

Notes:



VESSEL: R/V Wecoma

CRUISE ID: TN250

PROJECT & LEG: WE1008

AFSC Cruise ID: 1WE10

STATION NO.: 74

CONSC CAST #

DEG MIN

DEG MIN

FLUOR S/N

SBE 9+

PRESS SN

PRI TEMP SN

SEC TEMP SN

PRI COND SN

SEC COND SN

LONGITUDE

DAY MO YR

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

MAX DEPTH =

REMARKS: Super Sat O<sub>2</sub> ~ 25-40m

No.	DEPTH DESIRED	Roset notes	Hydro Team-PMEL			NIS No.	NIS No.
			SALT	Nut. Bit	O <sub>2</sub> -Bit/No		
1	Bot	67'	3	165	242	1	1
2	50			164		2	2
3	40			167		3	3
4	30			168		4	4
5	20			169		5	5
6	10			170		6	6
7	0			171		7	7
8						8	8
9						9	9
10						10	10
11						11	11
12						12	12

Notes:

VESSEL: R/V *Wecoma* CRUISE ID: **TN250** PROJECT & LEG: **WE1008b** Eco-FOCI: **1WE10** AFSC Cruise ID: **1WE10** STATION NO.: **75**

CONSC CAST # **0786143** LATITUDE **3.66 N** LONGITUDE **17351.27 W** DAY **29** MO **AUG** YR **10** TIME (GMT) **0504** DRY BULB **8.4** WET BULB **8.4** PRESSURE **29** SEA STATE **5** VISIBILITY **605** WIND DIRN. **71** WIND SPD. **71** CLOUD (amt) **71** TYPE **71** WEATHER **71** BOTTOM DEPTH (m) **71** STA. NAME/ID **70H53**

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

REMARKS: *B16 Cld not 34-50m*

No.	DEPTH		SALT	Hydro Team-PMEL			NIS	NIS
	DESIRED	notes		Nut:BI	O2-BTL No	CHL.		
1	609	<i>609</i>		<i>172</i>			1	1
2	50	<i>50</i>		<i>173</i>		<i>285</i>	2	2
3	40	<i>40</i>		<i>174</i>		<i>283</i>	3	3
4	30	<i>30</i>		<i>175</i>			4	4
5	20	<i>20</i>		<i>176</i>			5	5
6	10	<i>10</i>		<i>177</i>	<i>248</i>		6	6
7	0	<i>0</i>		<i>178</i>		<i>↑</i>	7	7
8							8	8
9							9	9
10							10	10
11							11	11
12							12	12

Notes:

VESSEL: R/V Wecoma  
 CRUISE ID: TN250  
 PROJECT & LEG: WE1008  
 AFSC Cruise ID: 1WE10  
 STATION NO.: 76

CONSC CAST #		LATITUDE		LONGITUDE		DAY	MO	YR	HR	MIN	DRY BULB (°C)	WET BULB (°C)	PRESSURE (mb)	SEA STATE	VISIBILITY	WIND DIRN. (deg)	WIND SPD. (kts)	CLOUD (amt)	WEATHER	BOTTOM DEPTH (m)	STA. NAME/ID
079	61	51.71	N	17405.71	W	29	AUG	10	06	26	8.8	8.8	809			101	07			72	70M54
REMARKS																					
MAX. DEPTH =																					

SBE 9+ \_\_\_\_\_  
 PRESS SN \_\_\_\_\_  
 PPI TEMP SN \_\_\_\_\_  
 SEC TEMP SN \_\_\_\_\_  
 PPI COND SN \_\_\_\_\_  
 SEC COND SN \_\_\_\_\_  
 FLUOR S/N \_\_\_\_\_  
 SBE#3-Oxy (prime) \_\_\_\_\_  
 SBE#3-Oxy (sec) \_\_\_\_\_  
 Transmissometer \_\_\_\_\_  
 PAR S/N \_\_\_\_\_  
 O2 Temp Sensor No. \_\_\_\_\_

No.	DEPTH		SALT	Hydro Team-PMEL		CHL.	NIS No.
	DESIRED	ROSSET		NUT. BN	O2-BTL NO.		
1	Bot		X 41		179	283	1
2	50				180	285	2
3	46				181	283	3
4	30	Supersat O <sub>2</sub>			182	283	4
5	20				183	283	5
6	10				184	283	6
7	0				185	283	7
8							8
9							9
10							10
11							11
12							12

Notes:

VESSEL: R/V *Wecoma* CRUISE ID: **TN250** PROJECT & LEG: **WE1008b** Eco-FOCI: **1WE10** ATSC Cruise ID: **1WE10** STATION NO.: **77**

CONSC CAST # **8846156** LATITUDE **56.57 N** LONGITUDE **174 21.75 W** DAY **29** MO **AUG** YR **10** TIME (GMT) **07:27** DRY BULB **9.6** WET BULB **9.4** PRESSURE **10** SEA STATE **1** VISIBILITY **3.5** WIND DIRN. **70** WIND SPD. **03** CLOUD (amt) **72** WEATHER **72** BOTTOM DEPTH **70ms** STA. NAME/ID **5**

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

No.	DEPTH DESIRED	Roset. notes	SALT	Hydro Team-PMEL			NIS No.	NIS
				NUCBI	O2-BRI.No	CHL		
1	Bot		5	184			1	
2	50			187		285	2	
3	40			188		283	3	
4	30			189			4	
5	20			1	239		5	
6	10			2			6	
7	8			3			7	
8							8	
9							9	
10							10	
11							11	
12							12	

Notes:

VESSEL		CRUISE ID TN250		PROJECT & LEG		AFSC Cruise ID		STATION NO.											
R/V Wacoma		WE1008b		Eco-FOCI		1WE10		78											
CONSC CAST #	LATITUDE		LONGITUDE		TIME (GMT)		DRY BULB	WET BULB	PRESSURE	SEA STATE	VISIBILITY	WIND DIRN.	WIND SPD.	CLOUD (amt)	TYPE	WEATHER	BOTTOM DEPTH (m)	STA. NAME/ID	
0816201.59N	DEG	MIN	DEG	MIN	DAY	MO	YR	HR	MIN	(°C)	(°C)	(mb)	*	(deg)	(kts)	*	*	75	70M56
					29	AUG	10	08	47	9.5	9.3	10		047	03				
REMARKS																			
SBE 9+ _____																			
PRESS SN _____																			
PRI TEMP SN _____																			
SEC TEMP SN _____																			
PRI COND SN _____																			
SEC COND SN _____																			
FLUOR S/N _____																			
SBE43-Oxy (pHme) _____																			
SBE43-Oxy (sec) _____																			
Transmissometer _____																			
PAR S/N _____																			
O2 Trmp Sensor No. _____																			
MAX DEPTH = _____ m																			
Niskin																			
Roset																			
No	DEPTH DESIRED	notes	SALT	Nut Bt	OZ-BTLNO	CHL	NIS No.											NIS No.	
1	70			4			1											1	
2	50			5	178	285	2											2	
3	40			6		283	3											3	
4	30			7			4											4	
5	20			8			5											5	
6	10			9			6											6	
7	0			10			7											7	
8							8											8	
9							9											9	
10							10											10	
11							11											11	
12							12											12	

Notes: Niskin #1 Raked from bottom.

VESSEL: R/V *Wecoma* CRUISE ID: TN250 PROJECT & LEG: WE1008B EcoFOCI ASCC Cruise ID: 1WE10 STATION NO. 79

CONC CAST #	LATITUDE			LONGITUDE			TIME (GMT)	DRY BULB (°C)	WET BULB (°C)	PRESSURE (mb)	SEA STATE	VISIBILITY	WIND DIRN. (deg)	WIND SPD. (kts)	CLOUD (amt)	TYPE	WEATHER	BOTTOM DEPTH (m)	STA. NAME/ID
082	61	58.	50 N	174	37.	04 W	29 AUG 10	0950	9.5	9.3	10		29	02				75	M4-S

SBE 9+ \_\_\_\_\_ FLUOR S/N \_\_\_\_\_  
 PRESS SN \_\_\_\_\_ SBE4-3-Oxy (prime) \_\_\_\_\_  
 PRI TEMP SN \_\_\_\_\_ SBE4-3-Oxy (sec) \_\_\_\_\_  
 SEC TEMP SN \_\_\_\_\_ Transmissometer \_\_\_\_\_  
 PRI COND SN \_\_\_\_\_ PAR S/N \_\_\_\_\_  
 SEC COND SN \_\_\_\_\_ O2 Temp Sensor No. \_\_\_\_\_

No.	DEPTH DESIRED	notes	SALT	Hydro Team-PMEL			CHL	NIS No.	NIS	NIS No.	NIS
				NUTR	BI	O2-BRLNG					
1	70					11		1		1	
2	50		V6			12		2		2	
3	40					13		3		3	
4	30					14		4		4	
5	20					15		5		5	
6	10					16		6		6	
7	0					17		7		7	
8								8		8	
9								9		9	
10								10		10	
11								11		11	
12								12		12	

Notes:

11/2

VESSEL R/V Wecoma		CRUISE ID TN250		PROJECT & LEG Eco-FOCI		AFSC Cruise ID 1WE10		STATION NO. 80																							
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	
08362111.99 N		17444.99 W		29 AUG 10		1216		9.4		9.3		10		05102														73		M8	
SBE 9+		FLUOR S/N		REMARKS																											
PRESS SN		SBE43-Oxy (prme)																													
PRI TEMP SN		SBE43-Oxy (sec)																													
SEC TEMP SN		Transmissometer																													
PRI CHND SN		PAR S/N																													
SEC CHND SN		O2 Temp Sensor No.																													
Niskin		Roset.		Hydro Team-PMEL																											
No.		DEPTH DESIRED		notes		SALT		Nut.Bt		O2-Bt.No		CHL.																			
1		70						18		✓ 147		285																			
2		50						19				283																			
3		40						20				283																			
4		30						21				283																			
5		21						22				✓ 283																			
6		21										✓ 227																			
7		21										✓ 287																			
8		10						23				283																			
9		0						24				283																			
10																															
11																															
12																															

Notes:

VESSEL		CRUISE ID TN250		PROJECT & LEG		AFSC Cruise ID		STATION NO.							
R/V Weconna		WE1008B		Eco-FOO		1WE10		81							
CONSC CAST #	LATITUDE	LONGITUDE	TIME (GMT)	DRY BULB (°C)	WET BULB (°C)	PRESSURE (mb)	SEA STATE	VISIBILITY	WIND DIRN. (deg)	WIND SPD. (kts)	CLOUD (amt)	TYPE	WEATHER	BOTTOM DEPTH (m)	STA. NAME/ID
084	62 25.30 N	179 42.02 W	29 AUG 10	1351	9.2	9.110	110	120	5					72	M8N
SBE 9+	FLUOR S/N	SBE43-Oxy (prime)	REMARKS												
PRESS SN	SBE43-Oxy (sec)	Transmissometer	MAX DEPTH =												
PRI TEMP SN	PAR S/N	O2 Temp Sensor No.													
SEC TEMP SN															
PRI COND SN															
SEC COND SN															
DEPTH		Roset		Hydro Team-PMEL					NIS		NIS				
No.	DESIRED	notes	SALT	Nut BH	O2-Btl No	CHL	No.		No.						
1	68			25			1								
2	50			26		285	2								
3	40			27		283	3								
4	30			28			4								
5	20			29			5								
6	10			30			6								
7	0			31	-231		7								
8							8								
9							9								
10							10								
11							11								
12							12								

Notes: N-skin flk - nozabe drippn before collection, Seal.



VESSEL: R/V *Wacoma* CRUISE ID: **TN250** PROJECT & LEG: Eco-FOCI **1WE10** STATION NO. **82**

CONSC CAST # **08562** LATITUDE **11.99 N** LONGITUDE **175.11.98 W** DATE **29 AUG 10** TIME (GMT) **1558** DRY BULB **9.3** WET BULB **9.2** PRESSURE **10** SEA STATE **1** VISIBILITY **10** WIND DIRN. **099** WIND SPD. **06** CLOUD (amt) **0** WEATHER **1** BOTTOM DEPTH (m) **80** STA. NAME/ID **M8W**

SBE 9+ \_\_\_\_\_ FLUXOR 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 Trmp Seson No. \_\_\_\_\_

No	Roset.		Hydro Team-PMEL				CHL.	REMARKS	MAX. DEPTH =
	DEPTHD	notes	SALT	NUTRI	O2-BL.No	CHL.			
1	75			32	221				
2	50			33		285			
3	40			34		283			
4	30			35					
5	20			36					
6	10			37					
7	0			38					
8									
9									
10									
11									
12									

Notes:

VESSEL: R/V *Wicoma* CRUISE ID: **TN250** PROJECT & LEG: **WE1008b** Eco-FOCI: **1WE10** AFSC Cruise ID: **1WE10** STATION NO.: **83**

CONSC CAST #	DEG	MIN	LATITUDE	DEG	MIN	LONGITUDE	DAY	MO	YR	HR	MIN	TIME (GMT)	DRY BULB (°C)	WET BULB (°C)	PRESSURE (mb)	SEA STATE	VISIBILITY	WIND DIRLN (deg)	WIND SPD. (kts)	CLOUD (amt)	TYPE	WEATHER	BOTTOM DEPTH (m)	STA. NAME/ID
0866211	11	98	N	174	17	96	29	AUG	10	18	38		8.6	8.4	11			069	06				67	M8E

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

REMARKS: \_\_\_\_\_

MAX DEPTH = \_\_\_\_\_ m

No.	Roset.		Hydro Team-PMEL				NIS No.	NIS No.
	DEPTH DESIRED	notes	SALT	NUT.BRI	O2-BRI.No	CHL.		
1	62		✓ 8	39			1	1
2	50			40		285	2	2
3	40			41		283	3	3
4	30			42			4	4
5	20			43			5	5
6	10			44			6	6
7	0			45	✓ 228	↖	7	7
8							8	8
9							9	9
10							10	10
11							11	11
12							12	12

Notes:

VESSEL: R/V *Wacoma* CRUISE ID: **TN250** PROJECT & LEG: **WE1008b** Eco-FOCI: **1WE10** AFSC Cruise ID: **1WE10** STATION NO: **84**

CONSC CAST #	DEG	MIN	LATITUDE	DEG	MIN	LONGITUDE	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
0876212	02	N	175	56	33	W	29	AUG	10	22	48	10.2	9.5	12	043	25							90	SL16

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 Trp. Sersion No. \_\_\_\_\_

No.	Niskin		Hydro Team-PMEL				NIS No.	NIS No.
	DEPTH	DESIRED	notes	SALT	Nut.Btl	O2-BtlNo		
1	Bot	85		46			1	1
2	70			47			2	2
3	50			48			3	3
4	40			49			4	4
5	30			50			5	5
6	20			51			6	6
7	10			52	164		7	7
8	0			53			8	8
9							9	9
10							10	10
11							11	11
12							12	12

REMARKS: at 20m depth, jelly in S1

28.5  
28.3  
↑

Notes:

VESSEL: R/V *Wecoma* CRUISE ID: **TN250** PROJECT & LEG: **WE1008b** Eco-FOCI: **1WE10** ATSC Cruise ID: **1WE10** STATION NO.: **85**

CONSC CAST # **0886212.00 N** LATITUDE **17532.95 W** LONGITUDE **30 AUG 10** DAY MO YR  
 TIME (GMT) **0008** HR MIN **10.3** DRY BULB (°C) **9.3** WET BULB (°C) **11** PRESSURE (mb) **33209** SEA STATE **3** VISIBILITY (deg) **33209** WIND DIRN. (deg) **33209** WIND SPD. (kts) **33209** CLOUD (amt) **33209** TYPE **33209** WEATHER **33209** BOTTOM DEPTH (m) **85** STA. NAME/ID **5L15**

SEB 9+ \_\_\_\_\_ FLUOR S/N \_\_\_\_\_  
 PRESS SN \_\_\_\_\_ SEB43-Oxy (prime) \_\_\_\_\_  
 PRI TEMP SN \_\_\_\_\_ SEB43-Oxy (sec) \_\_\_\_\_  
 SEC TEMP SN \_\_\_\_\_ Transmissometer \_\_\_\_\_  
 PRI COND SN \_\_\_\_\_ PAR S/N \_\_\_\_\_  
 SEC COND SN \_\_\_\_\_ O2 Temp Sensor No. \_\_\_\_\_

REMARKS: *Following 30 min upcast*

No	DEPTH DESIRED	Roset. notes	Hydro Team-PMEL				NIS No.	NIS No.	NIS No.
			SALT	NUT. BR	O2-BR. NO	CHL.			
1	Bot 80-		10	54	D60	285	1	1	1
2	65-			55		283	2	2	2
3	50			56			3	3	3
4	40			57			4	4	4
5	30			58			5	5	5
6	20			59			6	6	6
7	10			60			7	7	7
8	0			61			8	8	8
9							9	9	9
10							10	10	10
11							11	11	11
12							12	12	12

Notes:

VESSEL: R/V Wecoma  
 CRUISE ID: TN250  
 PROJECT & LEG: WE1008b  
 Eco-FOCI: 1WE10  
 STATION NO.: 86

CONSC CAST # 089  
 DEG 62  
 LATITUDE 12.60 N  
 DEG 175.09  
 LONGITUDE 30.09 W  
 DAY 30  
 MO AUG  
 YR 10  
 TIME (GMT) 0814  
 HR 14  
 MIN 41  
 DRY BULB 24.4  
 (°C)  
 WET BULB 9.5  
 (°C)  
 PRESSURE 11  
 (mb)  
 SEA STATE \*  
 VISIBILITY \*  
 WIND DIRN. (deg) 358  
 WIND SPD. (kts) 8  
 CLOUD (amt) \*  
 TYPE \*  
 WEATHER \*  
 BOTTOM DEPTH (m) 79  
 STA. NAME/ID M8W SL14  
 MAX DEPTH = 79 m

SBE 9+ \_\_\_\_\_  
 PRESS SN \_\_\_\_\_  
 PRI TEMP SN \_\_\_\_\_  
 SEC TEMP SN \_\_\_\_\_  
 PRI COND SN \_\_\_\_\_  
 SEC COND SN \_\_\_\_\_  
 O2 Temp Sensor No. \_\_\_\_\_

FLUOR S/N \_\_\_\_\_  
 SBE43-Oxy (prime) \_\_\_\_\_  
 SBE43-Oxy (sec) \_\_\_\_\_  
 Transmissometer \_\_\_\_\_  
 PAR S/N \_\_\_\_\_

No.	DEPTH DESIRED	Roset. notes	Hydro Team-PWEL				NS No.														NS No.
			SALT	Nuc Bit	O2-Bit No	CHL.															
1	Bot			62			1														1
2	50			63			2		285												2
3	40			64			3		283												3
4	30			65			4														4
5	20			66			5														5
6	10			67		222	6														6
7	0			68			7														7
8							8														8
9							9														9
10							10														10
11							11														11
12							12														12

Notes:

VESSEL: R/V *Wecoma* CRUISE ID: **TN250** PROJECT & LEG: **WE1008b** Eco-FOCI: **1WE10** ATSC Cruise ID: **1WE10** STATION NO. **87**

CONSC CAST #	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)	WEATHER	BOTTOM DEPTH (m)	STA. NAME/ID
09	4	62	172.00 N	1	74	3	AUG	10	03	20		9.8	9.0	11			326	11			72	M8 SL2

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

REMARKS: *Jelly hit SI at 50 on upcast 52 at 20 min*

No	DEPTH		SALT	Hydro Team-PWEL			NIS	NIS
	DESIRED	notes		MULTI	O2-BI	NO		
1	Bot		11	69	182	283	1	1
2	50			74		285	2	2
3	40			71		283	3	3
4	30			72			4	4
5	20			73			5	5
6	10			74			6	6
7	8			75			7	7
8							8	8
9							9	9
10							10	10
11							11	11
12							12	12

Notes:



VESSEL: R/V Weconra  
 CRUISE ID: TN250  
 PROJECT & LEG: WE1008b  
 Eco-FOO: 1WE10  
 AFSG Cruise ID: 1WE10  
 STATION NO. 88

CONSC CAST # 0916212.01N  
 DEG MIN  
 LATITUDE  
 DEG MIN  
 LONGITUDE  
 DAY MO YR 30 AUG 10  
 TIME (GMT) 042510.0  
 DRY BULB (°C) 9.2  
 WET BULB (°C) 11  
 PRESSURE (mb) 33.0  
 SEA STATE \* \*  
 VISIBILITY \* \*  
 WIND DIRN (deg) 330  
 WIND SPD. (kts) 11  
 CLOUD (amt) \* \*  
 TYPE \* \*  
 WEATHER \* \*  
 BOTTOM DEPTH (m) 67  
 STA. NAME/ID M8E SL11

SEE 9+  
 PRESS SN  
 PRI TEMP SN  
 SEC TEMP SN  
 PRI COND SN  
 SEC COND SN  
 FLUOR S/N  
 SRF43-Oxy (prme)  
 SRF43-Oxy (sec)  
 Transmissometer  
 PAR S/N  
 O2 Temp Sensor No.  
 REMARKS: fully on standby at 20m upcast  
 MAX DEPTH = m

NIS No.	Hydro Team-PMEL						NIS No.	NIS No.
	DEPTH DESIRED	notes	SALT	Nut:Br	O2-Btl:No	CHL		
1	10	8	82	80	81	283	1	
2	30	7	79	78	77	285	2	
3	40	6	78	79	78	283	3	
4	20	5	80	80	80	283	4	
5	10	4	81	81	81	283	5	
6	8	3	82	82	82	283	6	
7	9	2					7	
8	10	1					8	
9	11	0					9	
10	12	0					10	
11							11	
12							12	

Notes:

VESSEL: R/V *Wacoma* CRUISE ID: TNZ50 PROJECT & LEG: WE1008b Eco-FOCI: AFSC Cruise ID: 1WE10 STATION NO.: 89

CONSC CAST #		LATITUDE		LONGITUDE		TIME (GMT)		DRY BULB	WET BULB	PRESSURE	SEA STATE	VISIBILITY	WIND DIRN.	WIND SPD.	CLOUD (amt)	WEATHER	BOTTOM DEPTH	STA. NAME/ID			
DEG	MIN	DEG	MIN	DAY	MO	YR	HR	MIN	(°C)	(°C)	(mb)	*	(deg)	(kts)	*	*	(m)				
09	26	28	08	17	3	58	14	30	AUG	10	05	33	9.	6	9.	21	11	303	11	63	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. \_\_\_\_\_  
 REMARKS: *Jellies struck both at 20m*  
 MAX DEPTH = \_\_\_\_\_ m

No	DEPTH		SALT	Hydro. Team-FMEL		CHL	NIS	NIS
	DESIRED	notes		NUT. SKI	O2-BU. NO			
1	Bot	59	12	83			1	1
2	50	✓		84		285	2	2
3	40			85		283	3	3
4	30			86	243		4	4
5	20			87			5	5
6	10			88			6	6
7	0			89			7	7
8							8	8
9							9	9
10							10	10
11							11	11
12							12	12

*This O<sub>2</sub> sample might be off station & TD surface sample is in the same area.*

Notes:



VESSEL: R/V Weconra  
 CRUISE ID: TN250  
 PROJECT & LEG: WE1008b  
 Eco-FOCI  
 ASCC Cruise ID: 1WE10  
 STATION NO.: 90

CONSC CAST # 0936205.79 N  
 DEG 73.17.24 W  
 DAY 30  
 MO AUG  
 YR 10  
 TIME (GMT) 0729  
 DRY BULB 9.5  
 WET BULB 9.1  
 PRESSURE 1012  
 SEA STATE \*  
 VISIBILITY \*  
 WIND DIRN. 320  
 WIND SPD. 13  
 CLOUD (amt) \*  
 TYPE \*  
 WEATHER \*  
 BOTTOM DEPTH (m) 59  
 STA. NAME/ID SL9a

FLUOR S/N  
 SBE43-Oxy (prime)  
 SBE43-Oxy (sec)  
 Transmissometer  
 PAR S/N  
 O2 Temp Sensor No.  
 REMARKS: No Sella 1  
 MAX DEPTH = 60 m

No.	DEPTH DESIRED	Roset. notes	Hydro Team-PMEL				NIS No.	NIS No.
			SALT	Nut.BH	O2-Btl.No	CHL.		
1	55			90	218		1	
2	50			91		285	2	
3	40			92		283	3	
4	30			93			4	
5	20			94			5	
6	10			95			6	
7	0			96			7	
8							8	
9							9	
10							10	
11							11	
12							12	

Notes:

VESSEL: R/V *Wecoma* CRUISE ID: **TN250** PROJECT & LEG: **WE1008b** Eco-FOCI: **1WE10** ATSC Cruise ID: **1WE10** STATION NO. **91**

CONSC CAST #	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)	WEATHER	BOTTOM DEPTH (m)	STA. NAME/ID
09462	02	51	17236.13	30	W	30	AUG	10	09	29	19.3	9.0	12	3	15	11					55	<i>SL8a</i>

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 Trp Sensor No. \_\_\_\_\_

No.	Niskin		Hydro Team-FWEL				NIS No.	NIS
	DEPTH DESIRED	notes	SALT	NUT.BI	O2-BI.No	CHL.		
1	50			97	219	285	1	1
2	40			98		283	2	2
3	30			99			3	3
4	20			100			4	4
5	10			101			5	5
6	0			102			6	6
7							7	7
8							8	8
9							9	9
10							10	10
11							11	11
12							12	12

Notes:

VESSEL: R/V *Waconna* CRUISE ID: TN250 PROJECT & LEG: Eco-FOCI AISC Cruise ID: 1WE10 STATION NO. 92

CONSC CAST # 0956159.82N 17154.95W 30 AUG 10 1132 9.6 8.6 12 32313 53

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

SE 9+ SBE43-Oxy (pme) SBE43-Oxy (sec) Transmissioner PAR S/N O2 Temp Sensor No. REMARKS: MAX DEPTH =

Mission No.	DEPTH		Hydro Team-PMEL						NIS No.	NIS
	DESIRED	notes	SALT	NUT.BI	O2-BI.NO	CHL.	No.			
1	47			103		285	1			
2	40			104		283	2			
3	30			105			3			
4	20			106			4			
5	10			107			5			
6	0		✓ 13	108	✓ 235	↑	6			
7							7			
8							8			
9							9			
10							10			
11							11			
12							12			

Notes:

SL6a

VESSEL: R/V Wecoma  
 CRUISE ID: TN250  
 PROJECT & LEG: WE1008b  
 Eco-FOCI  
 AFSC Cruise ID: 1WE10  
 STATION NO: 93

CONSC CAST #	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
09661	56	66	17	13	30	AUG	10	13	37	9.4	9.0	12				339	15				52	SL4a

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

REMARKS: \_\_\_\_\_

MAX DEPTH = \_\_\_\_\_ m

No.	DEPTH DESIRED	notes	SALT	Hydro Team-PWEL			NIS No.	NIS
				Nut Blt	O2-Blt No	CHL		
1	47			109		* 285	1	1
2	40			110		* 283	2	2
3	30			111	2145	x	3	3
4	20			112		x	4	4
5	10			113		x	5	5
6	0			114		>	6	6
7							7	7
8							8	8
9							9	9
10							10	10
11							11	11
12							12	12

Notes:

VESSEL: R/V Weconna  
 CRUISE ID: TN250  
 PROJECT & LEG: WE1008b  
 Eco-FOCI  
 AFSC Cruise ID: 1WE10  
 STATION NO. 94

CONSC CAST # 0976153.88N  
 LATITUDE 17032.63W  
 DEGREE MIN DAY MO YR HR MIN TIME (GMT) 1541  
 DEGREE MIN LONGITUDE 30 AUG 10  
 DRY BULB (°C) 9.0  
 WET BULB (°C) 8.8  
 PRESSURE (mb) 1012  
 SEA STATE \* \* \*  
 VISIBILITY \* \* \*  
 WIND DIRN. (deg) 321  
 WIND SPD. (kts) 15  
 CLOUD (amt) \* \* \*  
 TYPE \* \* \*  
 WEATHER \* \* \*  
 BOTTOM DEPTH (m) 47  
 STA. NAME/ID SL2a

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

No	DEPTH DESIRED	Roset. notes	Hydro Team-PMEL				N/S No.	N/S	No.	N/S
			SALT	NUTRI	O2-Btl/No	CHL				
1	42		119	115			1		1	
2	30			116			2		2	
3	20			117			3		3	
4	10			118			4		4	
5	0			119	175		5		5	
6							6		6	
7							7		7	
8							8		8	
9							9		9	
10							10		10	
11							11		11	
12							12		12	

NOTES:

VESSEL: R/V Wacoma  
 CRUISE ID: TN250  
 PROJECT & LEG: WE1008b  
 AESC Cruise ID: 1WE10  
 STATION NO.

CONSC CAST #

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

0986150.89N 16951.49W 30 AUG 10 1736 9.1 9.0 12 33 11 8 49

REMARKS

FLUOR S/N  
 SBE43-Oxy (prime)  
 SBE43-Oxy (sec)  
 Transmissometer  
 PAR S/N  
 O2 Trip Sensor No.

No.	DEPTH DESIRED	notes	Hydro Team-FWEL				NIS No.	NIS	NIS No.	NIS
			SALT	Mut. BU	O2-BU No	CHL.				
1	39			120	197	283	1		1	
2	30			121			2		2	
3	20			122			3		3	
4	10			123			4		4	
5	0			124			5		5	
6							6		6	
7							7		7	
8							8		8	
9							9		9	
10							10		10	
11							11		11	
12							12		12	

Notes:

VESSEL: R/V *Wecoma* CRUISE ID: TN250 PROJECT & LEG: Eco-FOCI ASCC Cruise ID: 1WE10 STATION NO.

CONSC CAST #: 0996147.95 N 16910.29 W 30 AUG 10 1938 8.8 8.7 12 33G 17 39

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

LONGITUDE: 16910.29 W  
 TIME (GMT): 1938  
 DRY BULB: 8.8  
 WET BULB: 8.7  
 PRESSURE: 12  
 SEA STATE: \* \*  
 VISIBILITY: \* \*  
 WIND DIRN: 33G  
 WIND SPD: 17  
 CLOUD (amt): \* \* \* \*  
 WEATHER: \* \* \* \*  
 BOTTOM DEPTH: 39  
 STA. NAME/ID: SL10a

REMARKS: \_\_\_\_\_  
 MAX. DEPTH = \_\_\_\_\_ m

FLUOR S/N \_\_\_\_\_  
 SBE43-Oxy (purre) \_\_\_\_\_  
 SBE43-Oxy (sec) \_\_\_\_\_  
 Transmissometer \_\_\_\_\_  
 PAR S/N \_\_\_\_\_  
 O2 Trnp Sension No. \_\_\_\_\_

No.	DEPTH DESIRED	Roset. notes	Hydro Team-PVEL				No.	No.	No.	No.	No.
			SALT	NUT Btl	O2-BtlNo	CHL					
1	34			125		1				1	
2	20			126		2				2	
3	10			127		3				3	
4	0		15	128	242	4				4	
5						5				5	
6						6				6	
7						7				7	
8						8				8	
9						9				9	
10						10				10	
11						11				11	
12						12				12	

Notes:



VESSEL: R/V *Wacoma* CRUISE ID: **TN250** PROJECT & LEG: **WE1008b** EcoFOCI AFSC Cruise ID: **1WE10** STATION NO.:

CONSC CAST # \_\_\_\_\_ LATITUDE \_\_\_\_\_ DEGREE MIN \_\_\_\_\_ DEGREE MIN \_\_\_\_\_

LONGITUDE \_\_\_\_\_ DEGREE 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 \_\_\_\_\_

FLUOR S/N \_\_\_\_\_ SBE43-Oxy (prime) \_\_\_\_\_ SBE43-Oxy (sec) \_\_\_\_\_ Transmissometer \_\_\_\_\_ PAR S/N \_\_\_\_\_ O2 Temp Sensor No. \_\_\_\_\_

SBE 9+ \_\_\_\_\_

REMARKS \_\_\_\_\_

MAX DEPTH = \_\_\_\_\_ m

No.	DEPTH	DESIRED	notes	Hydro Team-PWEL				CHL.	NIS No.	NIS	BOTTOM DEPTH (m)	STA. NAME/ID
				SALT	NUT BIT	O2-BRLNG						
1	Bot	1			129	248	285	1			5215b	
2	20				130		283	2				
3	10				131		283	3				
4	0				132		283	4				
5								5				
6								6				
7								7				
8								8				
9								9				
10								10				
11								11				
12								12				

Notes:



VESSEL: R/V Wacoma  
 CRUISE ID: TN250  
 PROJECT & LEG: WE1008B  
 Eco-FOCI  
 AFSC Cruise ID: 1WE10  
 STATION NO.: 98

CONSC CAST # 14  
 DEG 167  
 MIN 11.98  
 N  
 LONGITUDE DEG 169  
 MIN 50.95  
 W  
 DAY 31  
 MO AUG  
 YR 10  
 TIME (GMT) 0158  
 DRY BULB (°C) 9.2  
 WET BULB (°C) 8.1  
 PRESSURE (mb) 115  
 SEA STATE \* \* \*  
 VISIBILITY \* \* \*  
 WIND DIRN (deg) 319  
 WIND SPD. (kts) 18  
 CLOUD (amt) \* \* \*  
 TYPE \* \* \*  
 WEATHER \* \* \*  
 BOTTOM DEPTH (m) 40  
 STA. NAME/ID ML1

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

No.	Mishin		Hydro Team-PWEL				NIS	NIS	No.
	DEPTH DESIRED	Roset. notes	SALT	MULBt	O2-Btl No	CHL			
1	36			133	144		1		1
2	30			134			2		2
3	20	interface		135			3		3
4	10			136			4		4
5	B			137			5		5
6							6		6
7							7		7
8							8		8
9							9		9
10							10		10
11							11		11
12							12		12

Notes:

VESSEL R/V Wacoma  
 CRUISE ID TN250  
 PROJECT & LEG WE1008b  
 Eco-FOCI  
 ASCC Cruise ID 1WE10  
 STATION NO. 99

CONSC CAST # 1026204.95N  
 DEG MIN  
 LATITUDE  
 DEG MIN  
 LONGITUDE  
 DAY MO YR 31 AUG 10  
 TIME (GMT) 0328  
 DRY BULB 8.8  
 WET BULB 7.6  
 PRESSURE 1015  
 SEA STATE \* \*  
 VISIBILITY \* \*  
 WIND DIRN. 310  
 WIND SPD. 12  
 CLOUD (amt) \* \*  
 WEATHER \* \*  
 BOTTOM DEPTH (m) 46  
 STA. NAME/ID ML2

SBE 9+ FLUOR S/N  
 SBE43-Oxy (prime)  
 SBE43-Oxy (sec)  
 Transmissometer  
 PAR S/N  
 O2 Trp Sensor No.

No.	DEPTH DESIRED	Roset. notes	Hydro Team-PWEL				NIS No.	NIS	NIS No.
			SALT	NUT.BI	O2-BI.No	CHL			
1	Bot 41		X 16	138	239	283	1	1	1
2	30			139		283	2	2	2
3	20			146		283	3	3	3
4	10			141		283	4	4	4
5	0			142		283	5	5	5
6							6	6	6
7							7	7	7
8							8	8	8
9							9	9	9
10							10	10	10
11							11	11	11
12							12	12	12

Notes:

VESSEL: CRUISE ID: TN250 PROJECT & LEG: Eco-FOCI AFSC Cruise ID: 1WE10 STATION NO.: 100

R/V: *Wecoma* WE1008b

CONSC CAST #	DEG	MIN	LATITUDE	DEG	MIN	LONGITUDE	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
10361	58	25	N	170	46	84	W	31	AUG	10	04	58	9.2	8.0	16			31	208				49	ML3

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

No.	DEPTH DESIRED	Roset. notes	Hydro Team: PMEL				NIS No.	NIS	No.	NS No.
			SALT	NUCBI	O2-BI/NO	CHL				
1	Bot			143		<del>283</del>	1		1	
2	40			144		<del>283</del>	2		2	
3	30			145	*178	<del>283</del>	3		3	
4	20			146		<del>283</del>	4		4	
5	16			147		<del>283</del>	5		5	
6	0			148			6		6	
7							7		7	
8							8		8	
9							9		9	
10							10		10	
11							11		11	
12							12		12	

NONE

NOTES:



VESSEL: **R/V Weconna**      CRUISE ID: **TN250**      PROJECT & LEG: **WE1008B**      AFSC Cruise ID: **1WE10**      STATION NO.: **102**  
 Eco-FOCI: **1WE10**

CONSC CAST #	DEG	MIN	LATITUDE	DEG	MIN	LONGITUDE	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
1654144		80	N	171142	03	W	31	AUG	10	07	57	0757	9.6	9.6	17			284	07				57	MCS

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

REMARKS: \_\_\_\_\_

MAX. DEPTH = \_\_\_\_\_ m

No.	DEPTH DESIRED	Roset. notes	Hydro. Team-PMEL			CHL.	NIS No.	NIS No.	NIS No.	NIS No.
			SALT	Mut.Bt	O2-Bt.No.					
1	BOT	57		155			1			1
2	46			156			2			2
3	30			157	22.1		3			3
4	20			158			4			4
5	10			159			5			5
6	Δ			160			6			6
7							7			7
8							8			8
9							9			9
10							10			10
11							11			11
12							12			12

Notes:

VESSEL: R/V Wacoma

CRUISE ID: TN250 PROJECT & LEG: WE1008B Eco-FOCI

AESC Cruise ID: 1WE10 STATION NO. 103

CONSC CAST #	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	
10661	3	3	172	09	31	AUG	10	09	31	9.5	9.117		292	7									MLL

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

No.	DEPTH		SALT	MUT. BI	O2 BIT/NO	CHL.	NIS No.	NIS	REMARKS
	DESIRED	ROSSET.							
1	55					285	1		
2	40					283	2		
3	30						3		
4	20						4		
5	10						5		
6	0		18				6		Upper filter took salt
7							7		Sample
8							8		(Bird Water)
9							9		
10							10		
11							11		
12							12		

Notes:



VESSEL: R/V *Wecoma* CRUISE ID: TN250 PROJECT & LEG: Eco-FOCI STATION NO. *104*

WE1008B ATSC Cruise ID: 1WE10

CONSC CAST #	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
<i>10761</i>	<i>31</i>	<i>36</i>	<i>N 17237.21</i>	<i>W</i>	<i>31</i>	<i>AUG</i>	<i>10</i>	<i>11</i>	<i>00</i>	<i>09</i>	<i>09.17</i>	<i>09.617</i>	<i>292</i>	<i>9</i>	<i>65</i>								<i>Mc7</i>

REMARKS: MAY DEPTH = *65* m

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

No	DEPTH DESIRED	Roset. notes	Hydro Team-PWEL				NIS No.	NIS No.
			SALT	Mut BU	O2-BU NO	CHL.		
<i>1</i>	<i>60</i>			<i>167</i>		<i>1</i>	<i>1</i>	
<i>2</i>	<i>50</i>			<i>168</i>		<i>2</i>	<i>2</i>	
<i>3</i>	<i>40</i>			<i>169</i>		<i>3</i>	<i>3</i>	
<i>4</i>	<i>30</i>			<i>170</i>		<i>4</i>	<i>4</i>	
<i>5</i>	<i>20</i>			<i>171</i>		<i>5</i>	<i>5</i>	
<i>6</i>	<i>10</i>			<i>172</i>		<i>6</i>	<i>6</i>	
<i>7</i>	<i>0</i>			<i>173</i>	<i>✓147</i>	<i>7</i>	<i>7</i>	
<i>8</i>						<i>8</i>	<i>8</i>	
<i>9</i>						<i>9</i>	<i>9</i>	
<i>10</i>						<i>10</i>	<i>10</i>	
<i>11</i>						<i>11</i>	<i>11</i>	
<i>12</i>						<i>12</i>	<i>12</i>	

Notes:





VESSEL: R/V Weconna  
 CRUISE ID: TN250  
 PROJECT & LEG: WE1008B  
 Eco-FOCI: 1WE10  
 AFSC Cruise ID: 106  
 STATION NO.: 106

CONSC CAST # 1096117.92N  
 LATITUDE 17332.37W  
 DAY 31  
 MO AUG  
 YR 10  
 TIME (GMT) 140110.0  
 DRY BULB (°C) 9.8  
 WET BULB (°C) 8.1  
 PRESSURE (mb) 17  
 SEA STATE \*  
 VISIBILITY \*  
 WIND DIRN. (deg) 256  
 WIND SPD. (kts) 13  
 CLOUD (amt) \*  
 TYPE \*  
 WEATHER \*  
 BOTTOM DEPTH (m) 73  
 STA. NAME/ID ML9

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

REMARKS \_\_\_\_\_  
 MAX DEPTH = \_\_\_\_\_ m

Niskin No.	DEPTH DESIRED	Roset. notes	Hydro. Team-PMEL				NIS No.	NIS	NIS No.
			SALT	NUT.BI	O2-Btl.No	CHEL.			
1	68			181			1		1
2	50			182			2		2
3	40			183			3		3
4	30			184	2167		4		4
5	20			185			5		5
6	10			186			6		6
7	0			187			7		7
8							8		8
9							9		9
10							10		10
11							11		11
12							12		12

Notes:

VESSEL: R/V Wecoma  
 CRUISE ID: TN250  
 PROJECT & LEG: WE1008b  
 Eco-Foci: 1WE10  
 AFSC Cruise ID: 1WE10  
 STATION NO.: 107

CONSC CAST #	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)	WEATHER	BOTTOM DEPTH (m)	STA. NAME/ID
1	106	11.21	N	173	59.99	W	31	AUG	10	15	30	10.0	10.0	17			236	12			77	M210

REMARKS: MAX DEPTH = m

SBE 9+ \_\_\_\_\_  
 PRESS SN \_\_\_\_\_  
 PRI TEMP SN \_\_\_\_\_  
 SEC TEMP SN \_\_\_\_\_  
 PRI COND SN \_\_\_\_\_  
 SEC COND SN \_\_\_\_\_  
 O2 Temp Sensor No. \_\_\_\_\_

FLUOR S/N \_\_\_\_\_  
 SBE43-Oxy (prime) \_\_\_\_\_  
 SBE43-Oxy (sec) \_\_\_\_\_  
 Transmissometer \_\_\_\_\_  
 PAR S/N \_\_\_\_\_

No.	DEPTH DESIRED	notes	SALT	Hydro Team-PMEL			CHL	No.	No.	No.	No.
				Nut Bl	O2-BL/No						
1	72			188	-060		285	1			
2	50			189			283	2			
3	40							3			
4	30							4			
5	20							5			
6	10							6			
7	0							7			
8								8			
9								9			
10								10			
11								11			
12								12			

Notes:

108

VESSEL R/V Wecoma		CRUISE ID TN250		PROJECT & LEG WE1008b		AESC Cruise ID 1WE10		STATION NO. 108																									
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			
		11 61 04.51 N		174 27.52 W		31 AUG 10 17 01		10.2		19.1		117						245		12								85		ML11			
SEB 9+		FLUOR S/N		SEB43-Oxy (prime)		SEB43-Oxy (sec)		Transmissometer		PAR S/N		OZ Trnp Sensor No.		REMARKS																			
PRESS SN		PRI TEMP SN		SEC TEMP SN		PRI COND SN		SEC COND SN		Niskin No.		DEPTH DESIRED		notes		SALT		NUC Btl		O2-Btl No		CHL.		NIS No.		NIS No.							
1		60										6												1									
2		50										7												2									
3		40										8												3									
4		30										9		1222?										4									
5		20										10												5									
6		10										11												6									
7		0										12												7									
8																								8									
9																								9									
10																								10									
11																								11									
12																								12									

Notes:

108



VESSEL: R/V *Wecoma* CRUISE ID: **TN250** PROJECT & LEG: **WE1008b** Eco-FOCI: **1WE10** AFSC Cruise ID: **1WE10** STATION NO.: **110**

CONSC CAST #	LATITUDE		LONGITUDE		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
	DEG	MIN	DEG	MIN															
1136051	07	N	17522	.85	31	AUG	10	2017	10.2	9.7	117			230	11			103	M214

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

REMARKS: \_\_\_\_\_

MAX. DEPTH = \_\_\_\_\_ m

No.	DEPTH DESIRED	Roset. notes	SALT	Hydro Team-PHIL		CHL.	NIS No.	NIS No.
				Nur.BH	O2-BH/No			
1	Bot	97'		21			1	1
2	75			22			2	2
3	50			23			3	3
4	40			24			4	4
5	30			25			5	5
6	20			26	058		6	6
7	10			27			7	7
8	0			28			8	8
9							9	9
10							10	10
11							11	11
12							12	12

Notes:

VESSEL: R/V *Wecoma* CRUISE ID: **TN250** PROJECT & LEG: Eco-FOCI AFSC Cruise ID: **1WE10** STATION NO.: **111**

CONSC CAST # **1146044** LATITUDE **32 N** LONGITUDE **17550.35 W** DAY **31** MO **AUG** YR **10** TIME (GMT) **2157** DRY BULB **10.3** WET BULB **9.7** PRESSURE **16** SEA STATE **2** VISIBILITY **25218** WIND DIRN. (deg) **113** WIND SPD. (kts) **113** CLOUD (amt) **113** TYPE **113** WEATHER **113** BOTTOM DEPTH (m) **113** STA. NAME/ID **M115**

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

No	DEPTH	notes	Hydro Team-PMEL				CHL.	NIS	NIS	NIS	NIS	NIS	NIS	NIS	NIS	NIS	NIS	NIS
			SALT	Nut:Btl	O2-Btl:No													
1	Bot	108	22	29	243		1											
2	80			30			2											
3	50			31		285	3											
4	40			32		222-263	4											
5	30			33		293	5											
6	20			34			6											
7	10			35			7											
8	0			36			8											
9							9											
10							10											
11							11											
12							12											

Notes:



VESSEL: R/V *Wecoma* CRUISE ID: TN250 PROJECT & LEG: WE1008B AFSC Cruise ID: 1WE10 STATION NO. 112

CONSC CAST # 1156037.58N 17617.94W 31 AUG 10 2335 10.3 9.7 17 23819 121

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

TIME (GMT) DRY BULB WET BULB PRESSURE SEA STATE VISIBILITY WIND DIRN. WIND SPD. CLOUD (amt) TYPE WEATHER BOTTOM DEPTH STA. NAME/ID

REMARKS: MAX DEPTH =

SBE 9+ FLUOR S/N SBE43-Oxy (prime) SBE43-Oxy (sec) Transmissometer PAR S/N O2 Tmp Sensor No.

No	DEPTH		SALT	Hydro Team-PWEL			CHL.	NIS												
	DESIRED	ROSSET		NUC BH	OZ-BU NO			No								No				
1	115	-		37		218		1												1
2	100	-		38				2												2
3	75	-		39				3												3
4	50	-		40				4												4
5	40	-		41				5												5
6	30	-		42				6												6
7	20	-		43				7												7
8	10	-		44				8												8
9	0	-		45				9												9
10								10												10
11								11												11
12								12												12

Notes:

VESSEL: R/V *Wacoma* CRUISE ID: TN250 PROJECT & LEG: Eco-FOCI AISC Cruise ID: 1WE10 STATION NO. 113

CONSC CAST # \_\_\_\_\_ LATITUDE \_\_\_\_\_ LONGITUDE \_\_\_\_\_ DAY \_\_\_\_\_ MO \_\_\_\_\_ YR \_\_\_\_\_

DEG \_\_\_\_\_ MIN \_\_\_\_\_ SEC \_\_\_\_\_ TIME (GMT) \_\_\_\_\_ DRY BULB \_\_\_\_\_ WET BULB \_\_\_\_\_ PRESSURE \_\_\_\_\_ SEA STATE \_\_\_\_\_ VISIBILITY \_\_\_\_\_ WIND DIRN \_\_\_\_\_ WIND SPD \_\_\_\_\_ CLOUD (amt) \_\_\_\_\_ WEATHER \_\_\_\_\_ BOTTOM DEPTH \_\_\_\_\_ STA. NAME/ID \_\_\_\_\_

SBE 9+ \_\_\_\_\_ FLUOR S/N \_\_\_\_\_ SBE43-Oxy (prime) \_\_\_\_\_ SBE43-Oxy (sec) \_\_\_\_\_ SEC TEMP SN \_\_\_\_\_ TRANSMITTER \_\_\_\_\_ PAR S/N \_\_\_\_\_ O2 Trnp Sensor No. \_\_\_\_\_

No.	DEPTH DESIRED	notes	Hydro Team-PWEL			CHL.	NIS No.	NIS No.	NIS No.
			SALT	NUC Btl	O2-Btl No				
1	Bot	130'		46	219		1		
2	180	/		47			2		
3	75	/		48			3		
4	50	/		49			4		
5	40	-		50		285	5		
6	30	/		51		283	6		
7	20	/		52			7		
8	10	/		53			8		
9	8		23	54		283	9		
10							10		
11							11		
12							12		

Notes:



VESSEL: R/V Wecoma  
 CRUISE ID: TN250  
 PROJECT & LEG: WE1008b  
 Eco-FOCI  
 AFSC Cruise ID: 1WE10  
 STATION NO.: 114

CONSC CAST # 11760  
 DEG 24.17N  
 LONGITUDE 17713.24W  
 DAY 01  
 MO AUG  
 YR 2010  
 TIME (GMT) 0307  
 HR 10  
 MIN 05  
 DRY BULB 98  
 WET BULB 81  
 PRESSURE 1016  
 SEA STATE 2  
 VISIBILITY 20  
 WIND DIRN 220  
 WIND SPD. 20  
 CLOUD (amt) 0  
 TYPE 0  
 WEATHER 0  
 BOTTOM DEPTH 150  
 STA. NAME/ID MLE

SBE 9+  
 SBE 43-Oxy (p/line)  
 SBE 43-Oxy (sec)  
 Transmissometer  
 PAR S/N  
 O2 Temp Sensor No.  
 REMARKS: Sully Esch on spcast at 20m  
 MAX DEPTH = 142m

No.	DEPTH	notes	Hydro Team-PMEL				No.	No.	No.	No.	No.	No.
			SALT	Nut.Bt	O2-Bt/No	CHL						
1	065	-		55			1					1
2	105	-		56			2					2
3	100	-		57			3					3
4	75	-		58			4					4
5	50	-		59			5					5
6	45	-		60			6					6
7	30	-		61	235		7					7
8	20	-		62			8					8
9	10	-		63			9					9
10	0			64			10					10
11							11					11
12							12					12

Notes:

VESSEL: R/V Weecoma  
 CRUISE ID: TN250  
 PROJECT & LEG: Eco-FOCI  
 AFSC Cruise ID: 1WE10  
 STATION NO.: 115

CONSC CAST # 118  
 DEG 60.17.45 N  
 LONGITUDE DEG 177.40.83 W  
 DAY 25  
 MO SEP  
 YR 2006  
 HR 05  
 MIN 03  
 TIME (GMT) 10:07  
 DRY BULB (°C) 21.0  
 WET BULB (°C) 19.8  
 PRESSURE (mb) 1015  
 SEA STATE \* \*  
 VISIBILITY \* \*  
 WIND DIRN. (deg) 231  
 WIND SPD. (kts) 21  
 CLOUD (amt) \* \* \*  
 TYPE \* \* \*  
 WEATHER \* \* \*  
 BOTTOM DEPTH (m) 145  
 STA. NAME/ID M419

REMARKS: MAX DEPTH = m

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

No	DEPTH DESIRED	ROSET NOTES	Hydro Team-PMEL			NIS No.	NIS	NIS No.	NIS
			SALT	Nut:Rtl	O2-Btl:No				
1	Bot	139-		65	No	1		1	
2	120	-		66	Oxy	2		2	
3	100	-		67	WINDS	3		3	
4	75	-		68		4		4	
5	50	-		69		5		5	
6	40	-		70		6		6	
7	30	-		71		7		7	
8	20	-		72		8		8	
9	10	-		73	↑	9		9	
10	6	-		74		10		10	
11						11		11	
12						12		12	

Notes:

VESSEL		CRUISE ID		PROJECT & LEG		AFSC Cruise ID		STATION NO.															
R/V Wacoma		WE1008B		Eco-FOCI		1WE10		11C															
CONSC CAST #	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
11960	11	29	N	17805	48	01	SEP	06	0	06	53	10.8	10.1	15			230	22				152	ML20
SBE 9+ _____ FLUOR S/N _____ PRESS SN _____ SBE43-Oxy (prime) _____ PRI TEMP SN _____ SBE43-Oxy (sec) _____ SEC TEMP SN _____ Transducer _____ PRI COND SN _____ PAR S/N _____ SEC COND SN _____ O2 Trp Sensor No. _____																							
REMARKS _____																							
MAX DEPTH = _____ m																							
Hydro Team-PWEL												NIS		NIS									
No.	DEPTH DESIRED	notes	SALT	Nut Brl	O2-Btl No	CHL	No.		No.														
1	Bot	146		75	145	Na	1		1														
2	125	-	24X+	76			2		2														
3	100	-		77			3		3														
4	75	-		78			4		4														
5	50	-		79			5		5														
6	40	-		80			6		6														
7	30	-		81			7		7														
8	20	-		82			8		8														
9	10	-		83			9		9														
10	0	-		84			10		10														
11							11		11														
12							12		12														

\* Salt Btl had unknown markings, so labeled it 24X, date + cruise #

Notes:

VESSEL: R/V *Wecoma* CRUISE ID: TN250 PROJECT & LEG: WE1008b Eco-FOCI AFSC Cruise ID: 1WE10 STATION NO. 117

CONSC CAST #	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
12060	04	04	N 17835.97	W	01	SEP	01	0	09	00	16.7	10.2	15				215	17				142	ML21

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

Niskin No.	DEPTH		SALT	Hydro Team-PMEL			NIS No.	NIS No.
	DESIRED	ROSET notes		Nut.Bt	O2-Bt/No	CHL.		
1	137			85			1	1
2	125			86			2	2
3	100			87	V175		3	3
4	75			88			4	4
5	50			89			5	5
6	40			90			6	6
7	30			91			7	7
8	20			92			8	8
9	10			93			9	9
10	0			94			10	10
11							11	11
12							12	12

Notes:

VESSEL: R/V Wecoma  
 CRUISE ID: TN250  
 PROJECT & LEG: WE1008B  
 Eco-FOCI: 1WE10  
 AFSC Cruise ID: 1WE10  
 STATION NO.: 118

CONSC CAST # 12159  
 DEG 54.30N  
 LONGITUDE 17905.59W  
 DAY 01  
 MO SEP  
 YR 10  
 HR 11  
 MIN 35  
 DRY BULB 10.9  
 WET BULB 9.1  
 PRESSURE 1014  
 SEA STATE  
 VISIBILITY  
 WIND DIRN 210  
 WIND SPD. 24  
 CLOUD (amt)  
 TYPE  
 WEATHER  
 BOTTOM DEPTH 1360  
 STA. NAME/ID MN19

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

No.	DEPTH	ROSET.	notes	SALT	Hydro Team-PMEL			CHL.	No.	No.	No.	No.	No.	No.	No.
					Nut:BT	O2-Bt:No									
1	1000			19	95	>	197		1						
2	500			20	96	>	242		2						
3	400			21	97	>	194		3						
4	300				98	>	208		4						
5	100				99	>	176		5						
6	75				100				6						
7	50				101				7						
8	40				102				8						
9	30				103				9						
10	20				104				10						
11	10				105				11						
12	0				106				12						



Notes:

VESSEL	R/V Wecoma		CRUISE ID	TN250	PROJECT & LEG	WE1008b		AFSC Cruise ID	1WE10		STATION NO.	119													
CONSC	CAST #		DEG	MIN	DEG	MIN	DAY	MO	YR	HR	MIN	TIME (GMT)	DRY BULB	WET BULB	PRESSURE	SEA STATE	VISIBILITY	WIND DIRN.	WIND SPD.	CLOUD (amt)	TYPE	WEATHER	BOTTOM DEPTH	STA. NAME/ID	
			12259	54.00	N	178	12.01	W	01	SEP	10	147	10.40	9.8	13			214	21					142	MN18
SBE 9+		FLUOR S/N		SBE43-Oxy (prime)		SBE43-Oxy (sec)		Transmissometer		PAR S/N		O2 Temp Sensor No.		REMARKS											
PRESS SN		SBE43-Oxy (prime)		SBE43-Oxy (sec)		Transmissometer		PAR S/N		O2 Temp Sensor No.		MAX DEPTH =													
PRI TEMP SN		SBE43-Oxy (prime)		SBE43-Oxy (sec)		Transmissometer		PAR S/N		O2 Temp Sensor No.															
SEC TEMP SN		SBE43-Oxy (prime)		SBE43-Oxy (sec)		Transmissometer		PAR S/N		O2 Temp Sensor No.															
PRI COND SN		SBE43-Oxy (prime)		SBE43-Oxy (sec)		Transmissometer		PAR S/N		O2 Temp Sensor No.															
SEC COND SN		SBE43-Oxy (prime)		SBE43-Oxy (sec)		Transmissometer		PAR S/N		O2 Temp Sensor No.															

No.	DEPTH	DESIRED	notes	SALT	Hydro Team-PMEL				No.	No.	No.	No.
					Nut:BI	O2-BI.No	CHL					
1	137				107				1			1
2	100				106				2			2
3	75				109				3			3
4	50				110				4			4
5	40				111				5			5
6	30				112		x 239		6			6
7	20				113				7			7
8	10				114				8			8
9	0				115				9			9
10									10			10
11									11			11
12									12			12

Notes:

VESSEL: R/V *Wecoma* CRUISE ID: TN250 PROJECT & LEG: WE1008b AFSC Cruise ID: 1WE10 STATION NO.: 120

Eco-FOCI: \_\_\_\_\_

CONSC CAST #	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	
123	59	53.999	N 177 36.01	W 01	SEP	10	16	44	10.30	09.71	2	21	02	137										MU17

REMARKS: \_\_\_\_\_

MAX DEPTH = \_\_\_\_\_ m

SBE 9+ \_\_\_\_\_ FLUOR S/N \_\_\_\_\_

PRESS SN \_\_\_\_\_ SBE43-Oxy (prime) \_\_\_\_\_

PRI TEMP SN \_\_\_\_\_ SBE43-Oxy (sec) \_\_\_\_\_

SEC TEMP SN \_\_\_\_\_ Transmissionmeter \_\_\_\_\_

PRI COND SN \_\_\_\_\_ PAR S/N \_\_\_\_\_

SEC COND SN \_\_\_\_\_ O2 Trnp Sensor No. \_\_\_\_\_

No	DEPTH		SALT	Hydro Team-PMEL			CHL	NIS No.	NIS No.
	DESIRED	NOTES		NULBtl	O2-BtlNo				
1	132			116	✓ 107		1	1	
2	100			117			2	2	
3	75			118			3	3	
4	50			119	✓ 285		4	4	
5	40			120		283	5	5	
6	30			121			6	6	
7	20			122			7	7	
8	10			123			8	8	
9	0		✓ 201	124		↘	9	9	
10							10	10	
11							11	11	
12							12	12	

Notes: \_\_\_\_\_



VESSEL: R/V *Waconia* CRUISE ID: **TN250** PROJECT & LEG: **WE1008b** AFSC Cruise ID: **1WE10** STATION NO.: **121**

CONSC CAST # **124** DEG **59** MIN **54.01** N LONGITUDE DEG **77** MIN **00.01** W DAY **01** MO **SEP** YR **10** TIME (GMT) **19:08** DRY BULB (°C) **10.1** WET BULB (°C) **09.4** PRESSURE (mb) **11** SEA STATE **1** VISIBILITY (deg) **199** WIND DIRN. (deg) **21** WIND SPD. (kts) **21** CLOUD (amt) **135** WEATHER **135** BOTTOM DEPTH (m) **135** STA. NAME/ID **MN16**

SBE 9+ \_\_\_\_\_ FLUOR S/N \_\_\_\_\_  
 PRESS SN \_\_\_\_\_ SBE#3-Oxy (prime) \_\_\_\_\_  
 PAR TEMP SN \_\_\_\_\_ SBE#3-Oxy (sec) \_\_\_\_\_  
 SEC TEMP SN \_\_\_\_\_ Transmissometer \_\_\_\_\_  
 PAR COND SN \_\_\_\_\_ PAR S/N \_\_\_\_\_  
 SEC COND SN \_\_\_\_\_ O2 Temp Sensor No. \_\_\_\_\_

REMARKS: \_\_\_\_\_

MAX DEPTH = \_\_\_\_\_ m

No	DEPTH		SALT	Hydro Team-PMEL				NIS No.	NIS No.
	DESIRED	notes		NutrBt	O2-BtlNo	CHL			
1	132			125			1	1	
2	100			126			2	2	
3	75			127			3	3	
4	50			128		None	4	4	
5	40			129			5	5	
6	30			130			6	6	
7	20			131	R221		7	7	
8	10			132			8	8	
9	0			133			9	9	
10							10	10	
11							11	11	
12							12	12	

Notes:



VESSEL: R/V Waconia  
 CRUISE ID: TN250  
 PROJECT & LEG: WE1008b  
 ECO-FOCI: WE10  
 AFSC Cruise ID: 1WE10  
 STATION NO.: 122

CONSC CAST #	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
1255	5	9	54.02 N	76	24.00 W	01	SEP	10	02	10	09.09	9.6	10	20	102							140	MNIS

REMARKS: 30m bottle fired last (missed first time on upcast)

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

No.	DEPTH DESIRED	Roset. notes	SALT	Hydro Team-PMEL			CHL.	No.	NIS	No.	NIS
				Nut. Bl	O2-Btl. No						
1	801	✓	202	134	231	283	1				
2	120	✓		136		283	2				
3	100	✓		137		283	3				
4	75	✓		138		283	4				
5	50	✓		139		283	5				
6	40	✓		<del>140</del>	141	283	6				
7	20	✓		<del>141</del>	142	283	7				
8	10	✓		<del>142</del>	143	283	8				
9	0	✓		<del>143</del>	144	283	9				
10	30	✓		<del>144</del>		283	10				
11							11				
12							12				

Note - Btl's fired out of order

✓  
 Vol. to correct

Notes:

VESSEL: R/V *Wecoma* CRUISE ID: TN250 PROJECT & LEG: WE1008b Eco-FOCI AFSC Cruise ID: 1WE10 STATION NO.: 123

CONSC CAST #	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
1265954		01	17548	47	01	MAY	10	23	46	09:46	9.6	9.6				199	22				151	MN14

SBE 9+ FLUOR S/N  
 PRESS SN SBE43-Oxy (p/ume)  
 PPI TEMP SN SBE43-Oxy (sec)  
 SEC TEMP SN Transmissionwater  
 PPI COND SN PAR S/N  
 SEC COND SN Q2 Temp Sensor No.

REMARKS: \_\_\_\_\_

MAX. DEPTH = \_\_\_\_\_ m

No.	DEPTH DESIRED	Roset. notes	Hydro Team-PMEL				NIS No.	NIS No.
			SALT	Nut Brl	O2 Brl No	CHL.		
1	1301	124-		144	147	1	1	
2	100			145		2	2	
3	75			146		3	3	
4	50			147		4	4	
5	4.0			148		5	5	
6	30			149		6	6	
7	20			150		7	7	
8	16			151		8	8	
9	0			152		9	9	
10						10	10	
11						11	11	
12						12	12	

Notes:

VESSEL: R/V *Wacona* CRUISE ID: **TN250** PROJECT & LEG: **WE1008b** Eco-FOCI: **1WE10** AFSC Cruise ID: **1WE10** STATION NO.: **124**

CONSC CAST # **1275954.01** LATITUDE **17511.99** N LONGITUDE **025516.10** W DAY **01** MO **04** YR **2010** TIME (GMT) **0145** DRY BULB **9.8** WET BULB **9.8** PRESSURE **08** SEA STATE **2** VISIBILITY **20722** WIND DIRN. **22** WIND SPD. (Kts) **22** CLOUD (amt) **128** WEATHER **128** BOTTOM DEPTH (m) **128** STA. NAME/ID **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 Temp Sensor No. \_\_\_\_\_

REMARKS: \_\_\_\_\_

MAX DEPTH = \_\_\_\_\_ m

N/S	Hydro Team-FMEL						N/S	
	DEPTH	DESRED	notes	SALT	NALBRI	O2-BRI NO		CHL.
1	607	115	-	211	153		1	1
2	100	-			154		2	2
3	75	-			155		3	3
4	50	-			156		4	4
5	40	-			157		5	5
6	30	-			158		6	6
7	20	-			159		7	7
8	10	-			160	227	8	8
9	0	-			161		9	9
10							10	10
11							11	11
12							12	12

Notes: 2037

VESSEL: R/V *Wacona* CRUISE ID: *TN250* PROJECT & LEG: *WE1008b* ATSC Cruise ID: *1WE10* STATION NO.: *125*

CONSC CAST # *12859* LATITUDE: *54.00 N* LONGITUDE: *74.36.00 W* DATE: *02 SEP 1 00 40* TIME (GMT): *06 07* DRY BULB: *9.6* WET BULB: *9.6* PRESSURE: *107* SEA STATE: *2* VISIBILITY: *208* WIND DIRN.: *25* WIND SPD.: *25* CLOUD (amt): *1/2* WEATHER: *MD12* BOTTOM DEPTH: *112* STA. NAME/ID: *MD12*

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

No	DEPTH	DEPTH	notes	Hydro Team-PNEL				NS	No	NS	No
				SALT	Mat:Bt	O2-Btl.No	CHL.				
1	201	1	✓		162	167	None	1		1	
2	75	1	✓		163			2		2	
3	56	1			164			3		3	
4	40	1			165			4		4	
5	30	1			166			5		5	
6	20	1			167			6		6	
7	10	1			168			7		7	
8	0	1			169			8		8	
9								9		9	
10								10		10	
11								11		11	
12								12		12	

Notes:

VESSEL: R/V Wecoma  
 CRUISE ID: TN250  
 PROJECT & LEG: WE1008b  
 EcoFOCI  
 ASSC Cruise ID: 1WE10  
 STATION NO.: 126

CONSC CAST # 1295954.63 N / 7400.04 W 02 SEP 2005 100606 9.6 9.6 06 209 22

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)  
 WEATHER  
 BOTTOM DEPTH (m)  
 STA. NAME/ID: MN11

REMARKS: MAX DEPTH = m

SBE 9+  
 PRESS SN  
 PRI TEMP SN  
 SEC TEMP SN  
 PRI COND SN  
 SEC COND SN

FLUOR S/N  
 SBE43-Oxy (guine)  
 SBE43-Oxy (sec)  
 Transmissometer  
 PAR S/N  
 O2 Temp Sensor No.

No	Roset.		Hydro Team-PMEL				NIS No.	NIS
	DEPTH	notes	SALT	NUT BIT	O2-BTLNG	CHL		
1	80T	-95	203	170			1	1
2	75	-		171	*		2	2
3	50	-		172		285	3	3
4	46	-		173		↓	4	4
5	30	✓		174		↓	5	5
6	20	✓		175		↓	6	6
7	10	✓		176		↓	7	7
8	0			177		283	8	8
9							9	9
10							10	10
11							11	11
12							12	12

Notes:

VESSEL		CRUISE ID		PROJECT & LEG		AFSC Cruise ID		STATION NO.													
R/V Weconia		WE1008b		Eco-FOCI		1WE10		127													
CONSC CAST #	DEG	MIN	DEG	MIN	DAY	MO	YR	HR	MIN	DRY BULB (°C)	WET BULB (°C)	PRESSURE (mb)	SEA STATE	VISIBILITY	WIND DIRN. (deg)	WIND SPD. (kts)	CLOUD (amt)	WEATHER	BOTTOM DEPTH (m)	STA. NAME/ID	
13	59	54	17	23	02	SEP	10	08	40	9.5	9.506				214	21			87	MN10	
LATITUDE		LONGITUDE		TIME (GMT)		REMARKS															
173.011 N		173.23.97 W		02 SEP 10																	
SBE 9+		FLUOR S/N		SBE43-Oxy (prime)		SBE43-Oxy (sec)		Transmissometer		PAR S/N		O2 Temp Sensor No.									
PRESS SN		SBE43-Oxy (sec)		Transmissometer		PAR S/N															
PRI TEMP SN		PAR S/N																			
SEC TEMP SN																					
PRI COND SN																					
SEC COND SN																					
Niskin		Roset		Hydro Team-PHEL		NIS															
No.	DEPTH DESIRED	notes	SALT	Nut:Br	O2-Btl.No	CHL.	No														NIS No.
1	82	-		178			1														1
2	50	✓		179	222		2														2
3	40			180			3														3
4	30			181			4														4
5	20			182			5														5
6	10			183			6														6
7	0			184			7														7
8							8														8
9							9														9
10							10														10
11							11														11
12							12														12

M<sup>o</sup> good

M<sup>o</sup> all

4,5,6,7 were open before

Notes:

VESSEL: R/V *Wecoma* CRUISE ID: TN250 PROJECT & LEG: WE1008b ASSC Cruise ID: 1WE10 STATION NO.: 128

CONSC CAST # 1315953.99 N

DEG MIN DEG MIN DAY MO YR HR MIN (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: MN9

LONGITUDE: 17247.92 W 02 SEP 10 1044 9.4 9.4 05 229 17 73

FLUOR S/N: \_\_\_\_\_ SBE43-Oxy (prime): \_\_\_\_\_ SBE43-Oxy (sec): \_\_\_\_\_ Transmissometer: \_\_\_\_\_ PAR S/N: \_\_\_\_\_ I2 Tmp Sensor No: \_\_\_\_\_

REMARKS: \_\_\_\_\_ MAX DEPTH = \_\_\_\_\_ m

No.	DEPTH DESIRED	Roset. notes	Hydro Team-PMEL			CHL.	NIS No.		NIS No.
			SALT	Nut.Btl	O2-Btl.No				
1	69		X 205	185			1		
2	50			186		285	2		
3	40			187		283	3		
4	30			188			4		
5	20			189	✓107		5		
6	10			1			6		
7	0			2			7		
8							8		
9							9		
10							10		
11							11		
12							12		

*Diff. by - Salinity sampled by bird waterline.*

Notes:



VESSEL: R/V *Waconia* CRUISE ID: *TN250* PROJECT & LEG: *WE1008b* Eco-FOCI: AFSC Cruise ID: *1WE10* STATION NO. *129*

CONSC CAST #	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	
13259	53	99	172	12	08	02	SEP	10	1305	9.4	9.405	218	24									73	MNR

REMARKS: \_\_\_\_\_  
 MAX DEPTH = \_\_\_\_\_ m

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

Niskin No.	DEPTH DESIRED	Roset. notes	Hydro. Team-PWEL				N/S No.	N/S
			SALT	MUL.Btl	O2-Btl No.	CHL.		
1	68			3	201	1	1	
2	50			4	221	2	2	
3	40			5		3	3	
4	30		None	6		4	4	
5	20			7		5	5	
6	10			8		6	6	
7	0			9		7	7	
8						8	8	
9						9	9	
10						10	10	
11						11	11	
12						12	12	

Notes:



VESSEL: R/V Weconna  
 CRUISE ID: TN250  
 PROJECT & LEG: WE1008B  
 AISC Cruise ID: 1WE10  
 STATION NO.: 130

CONSC CAST # 1335954.00 N 17135.99 W 02 SEP 10 1506 9.2 9.205 21219

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

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

REMARKS: Not far from MS

MAX DEPTH = 70 m

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

N/S	Roset		Hydro Team-PWEL				N/S	No.	N/S	No.
	DEPTH	notes	SALT	NUC/BT	O2-BL/NO	CHL.				
1	65			10			1		1	
2	50			11		285	2		2	
3	40			12		283	3		3	
4	30			13	x231		4		4	
5	20			14			5		5	
6	10			15			6		6	
7	0		x204	16			7		7	
8							8		8	
9							9		9	
10							10		10	
11							11		11	
12							12		12	

Notes:

VESSEL: R/V Wecoma  
 CRUISE ID: TN250  
 PROJECT & LEG: WE1008b  
 EcoFOCI  
 AFSC Cruise ID: 1WE10  
 STATION NO.: 131

CONSC CAST # 13459  
 DEG 59  
 MIN 53  
 LATITUDE 97  
 N  
 DEG 71  
 MIN 00  
 LONGITUDE 10  
 W  
 DAY 02  
 MO SEP  
 YR 10  
 HR 17  
 MIN 20  
 TIME (GMT)  
 DRY BULB 9.1  
 WET BULB 9.1  
 PRESSURE 105  
 SEA STATE \*  
 VISIBILITY \*  
 WIND DIRN 218  
 WIND SPD 22  
 CLOUD (amt) \*  
 TYPE \*  
 WEATHER \*  
 BOTTOM DEPTH (m) 69  
 STA. NAME/ID MNL6

SEB 9+  
 PRESS SN  
 PRI TEMP SN  
 SEC TEMP SN  
 PRI COND SN  
 SEC COND SN  
 FLUOR S/N  
 SEB43-Oxy (prine)  
 SEB43-Oxy (sec)  
 Transmission  
 PAR S/N  
 O2 Temp Sensor No.  
 REMARKS  
 MAX DEPTH = m

No.	DEPTH		SALT	Hydro. Temp. PMEL			CHL.	No.	No.	No.	No.	No.	No.
	DESIRED	ROSET		ROSET	NUTRI	O2-BULB							
1	64			17	X147		285	1					1
2	50			18			283	2					2
3	40			19				3					3
4	30			20				4					4
5	20			21				5					5
6	10			22				6					6
7	0			23				7					7
8								8					8
9								9					9
10								10					10
11								11					11
12								12					12

Notes:

VESSEL: R/V Wecoma  
 CRUISE ID: TN250  
 PROJECT & LEG: Eco-FOCI  
 AFSC Cruise ID: 1WE10  
 STATION NO.: 132

CONSC CAST # 135  
 DEG 59.54.07 N  
 LONGITUDE 170.24.20 W  
 DAY 02  
 MO SEP  
 YR 10  
 HR 19  
 MIN 57  
 DRY BULB 8.7  
 WET BULB 8.7  
 PRESSURE 1016  
 SEA STATE \* \*  
 VISIBILITY \* \*  
 WIND DIRN. (deg) 215  
 WIND SPD. (kts) 21  
 CLOUD (amt) \* \*  
 TYPE \* \*  
 WEATHER \* \*  
 BOTTOM DEPTH (m) 42  
 STA. NAME/ID MNS

SBE 9+ FLUOR S/N  
 SBE-43-Dry (grime)  
 SBE-43-Dry (sec)  
 SBE-43-Dry (sec)  
 Transmissionmeter  
 PAR S/N  
 O2 Temp Sensor No.

No.	DEPTH DESIRED	Roset. notes	SALT	Hydro Team-PWEL			NIS No.	NIS	NIS No.	NIS
				Nut.Btl	O2-Btl No	CHL				
1	Bot	-	2207	24	182		1		1	
2	40	-		35			2		2	
3	30	-		26			3		3	
4	20	-		27			4		4	
5	10	-		28			5		5	
6	6			29			6		6	
7							7		7	
8							8		8	
9							9		9	
10							10		10	
11							11		11	
12							12		12	

Notes:

VESSEL: R/V Wecoma  
 CRUISE ID: TN250  
 PROJECT & LEG: WE1008b  
 Eco-FOCI: 1WE10  
 AFSC Cruise ID: 1WE10  
 STATION NO.: 133

CONSC CAST #	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
136	59	54	02 N	169	47	02	SEP	10	22	06	08:06	8.8	8.8	807			207	20				57	M54

REMARKS: \_\_\_\_\_

SBE 9+ \_\_\_\_\_  
 PRESS SN \_\_\_\_\_  
 PRI TEMP SN \_\_\_\_\_  
 SEC TEMP SN \_\_\_\_\_  
 PRI COND SN \_\_\_\_\_  
 SEC COND SN \_\_\_\_\_

FLUOR S/N \_\_\_\_\_  
 SBE43-Oxy (prime) \_\_\_\_\_  
 SBE43-Oxy (sec) \_\_\_\_\_  
 Transmissometer \_\_\_\_\_  
 PAR S/N \_\_\_\_\_  
 O2 Temp Sensor No. \_\_\_\_\_

MAX DEPTH = \_\_\_\_\_ m

No	DEPTH DESIRED	Roset notes	SALT	Hydro Team-PMEL		CHL	NIS		NIS No.
				Nut/Bt	O2-Btl No		No.	No.	
1	301	47	N <sub>0</sub>	30	058	085	1		1
2	40			31		083	2		2
3	30			32			3		3
4	20			33			4		4
5	10			34			5		5
6	0			35			6		6
7							7		7
8							8		8
9							9		9
10							10		10
11							11		11
12							12		12

Notes:

VESSEL: R/V Wacoma  
 CRUISE ID: TN250  
 PROJECT & LEG: WE1008b  
 Eco-FOCI: 1WE10  
 AFSC Cruise ID: 1WE10  
 STATION NO.: 134

CONSC CAST #	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
137	59	54	169 12.03 W	03	W	03	SEP	10	00	25	08.6	8.6	08				202	18				45	MN3

REMARKS: \_\_\_\_\_

MAX. DEPTH = \_\_\_\_\_ m

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

No.	DEPTH DESIRED	notes	SALT	Hydro Team-PMEL			NIS	No.	NIS	No.
				Nut Bt	O2-Btl.No	CHL				
1	Bot			36			1		1	
2	30			37			2		2	
3	20			38			3		3	
4	10			39			4		4	
5	0		X	40		243	5		5	
6							6		6	
7							7		7	
8							8		8	
9							9		9	
10							10		10	
11							11		11	
12							12		12	

Notes: \_\_\_\_\_

VESSEL: R/V *Wacoma* CRUISE ID: **TN250** PROJECT & LEG: **WE1008b** ATSC Cruise ID: **1WE10** STATION NO.: **135**

CONSC CAST #	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
138	59	57	168	35	99	W	03	2010	02	17	08.3	8.3	08	*	*	201	18	*	*	*			MN2

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

No.	DEPTH		SALT	Hydro Team-PWEL				NIS No.	NIS	NIS No.
	DESIRED	notes		Nut Brl	O2-BRLNO	CHL.				
1	Bot	34		41	218		1		1	
2	30	✓		42			2		2	
3	20	✓		43			3		3	
4	10	✓		44			4		4	
5	Φ			45			5		5	
6							6		6	
7							7		7	
8							8		8	
9							9		9	
10							10		10	
11							11		11	
12							12		12	

Notes:



VESSEL: R/V Wecoma  
 CRUISE ID: TN250  
 PROJECT & LEG: WE1008b  
 Eco-FOCI  
 AFSC Cruise ID: 1WE10  
 STATION NO.: 136

CONSC CAST #	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			
139	59	53	95	N	167	59	98	W	03	5	58	10	04	27	8.3	8.3	08	107	19					29	MN1

REMARKS: Strong current to south

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 Q2 Temp Sensor No.

MAX. DEPTH = m

No.	DEPTH DESIRED	Roset. notes	SALT	Hydro Team-PMEL			NIS No.	NIS
				Nut.Btl	O2-Btl.No	CHL.		
1	bot	25 ✓	206	46	219	1		
2	20	✓		47		2		
3	10	✓		48		3		
4	0		* 209	49		4		
5						5		
6						6		
7						7		
8						8		
9						9		
10						10		
11						11		
12						12		

Notes:

VESSEL		CRUISE ID		PROJECT & LEG		ASC Cruise ID		STATION NO.							
R/V Weconia		WE1008b		Eco-FOCI		1WE10		137							
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
14057	50.04 N	16853.29 W	03 AUG 10	1700	8.8	8.8	97	135	28					70	M4-70M21
SBE 9+		FLUOR S/N													
PRESS SN		SBE43-Oxy (prine)													
PRI TEMP SN		SBE43-Oxy (sec)													
SEC TEMP SN		Transmissometer													
PRI COND SN		PAR S/N													
SEC COND SN		O2 Temp Sensor No.													
REMARKS															
MAX DEPTH =															
N/Skin		Roset.		Hydro Team-PMEL		N/S		N/S							
No.	DEPTH DESIRED	notes	SALT	NUTRI	O2-RLNO	CHL.	No.		No.						
1	105			50			1								
2	50			51			2								
3	40			52			3								
4	30			53			4								
5	24			54			5								
6	24						6								
7	24						7								
8	20			54			8								
9	115			55			9								
10	115						10								
11	115						11								
12	0			56			12								

Notes:

Remember triple ill at 11.5 and 24, 0 m



VESSEL: R/V Wecoma  
 CRUISE ID: TN250  
 PROJECT & LEG: WE1008b  
 Eco-FOCI  
 AFSC Cruise ID: 1WE10  
 STATION NO.: 138

CONSC CAST #	DEG	MIN	LONGITUDE	DEG	MIN	DAY	MO	YR	TIME (GMT)	DRY BULB (°C)	WET BULB (°C)	PRESSURE (mb)	SEA STATE	VISIBILITY	WIND DIRL (deg)	WIND SPD. (Kts)	CLOUD (amt)	WEATHER	BOTTOM DEPTH (m)	STA. NAME/ID
1415625	141	56	25.00 N	169	25.78 W	04	SEP	10	0529	10.01	5.89	2	*	*	145	11	*	*		PU01

REMARKS: *Begin Pmt Canyon Study*

SBE 9+ FLUOR S/N  
 PRESS SN SBE 43-Oxy (prime)  
 PRI TEMP SN SBE 43-Oxy (sec)  
 SEC TEMP SN Transducer  
 PRI COND SN PAR S/N  
 SEC COND SN 02 Temp Sensor No.

Miskin No.	DEPTH DESIRED	Roset. notes	SALT	Hydro Team: PMEL			CHL.	NIS No.	NIS No.
				Nut:BrI	02-BrI:No				
1	130T	-	211	57	No		1		
2	80	-		58			2		
3	50	-		59		285	3		
4	40	-		60		283	4		
5	30	-		61			5		
6	20	-		62			6		
7	10	-		63			7		
8	0	-		64			8		
9							9		
10							10		
11							11		
12							12		

Notes:

VESSEL: R/V *Wecoma* CRUISE ID: **TN250** PROJECT & LEG: **WE1008b** Eco-FOCI: **1WE10** AFSC Cruise ID: **1WE10** STATION NO.: **139**

CONSC CAST #	DEG	MIN	LATITUDE	DEG	MIN	LONGITUDE	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
1425521		13	N	69	28	41	W	04	SEP	10	0436	10.0	10.0	91				133	13				138	<i>PCN 02</i>

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

No.	DEPTH DESIRED	Roset. notes	SALT	Hydro Team-PHCL			CHL.	No.	No.	No.	No.	No.	No.	No.	No.
				NUT.BRI	O2-BRL.No										
1	Bot			65				1							
2	100			66				2							
3	75			67				3							
4	50			68			285	4							
5	40			69			283	5							
6	30			70				6							
7	20			71				7							
8	10			72				8							
9	D			73			282	9							
10								10							
11								11							
12								12							

Notes: *NO YES*

VESSEL: R/V Weconia  
 CRUISE ID: TN250  
 PROJECT & LEG: Eco-FOCI  
 AFSC Cruise ID: 1WE10  
 STATION NO.: 14Φ

CONSC CAST #	DEG	MIN	DEG	MIN	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		
14356	17	24	169	30	95	W	04	SEP	10	05	13	10.1	10.1	911			11	4	12			210	PCND3

REMARKS: \_\_\_\_\_  
 MAX DEPTH = \_\_\_\_\_ m

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

No.	DEPTH DESIRED	Roset. notes	SALT	Hydro Team-PNEL			No.	No.	No.	No.	No.	No.
				Nut. Brl	O2-Btl No	CHL						
1	100	205-	211	74			1					
2	175	-		75			2					
3	150	-		76			3					
4	125	-		77			4					
5	100	-		78			5					
6	75	-		79			6					
7	50	-		80		285	7					
8	40	-		81		283	8					
9	30	-		82			9					
10	20	-		83			10					
11	10	-		84			11					
12	0	-		85		283	12					

Notes:

VESSEL: R/V Wecoma  
 CRUISE ID: TN250  
 PROJECT & LEG: WE1008B  
 Eco-FOCI  
 AFSC Cruise ID: 1WE10  
 STATION NO.: 141

CONSC CAST #		LATITUDE		LONGITUDE		TIME (GMT)	DRY BULB (°C)	WET BULB (°C)	PRESSURE (mb)	SEA STATE	VISIBILITY	WIND DIRN. (deg)	WIND SPD. (kts)	CLOUD (amt)	WEATHER	BOTTOM DEPTH (m)	STA. NAME/ID
144	5634	39	N	69	34	0635	19.1	15.1	191			177	13			411	PEN04

REMARKS: Bot of can was 465m

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

No.	DEPTH DESIRED	Roset. notes	SALT	Hydro Team-PWEL			NIS No.	NIS
				Nut Btl	O2 Btl/No.	CHL.		
1	601	407		86	x235		1	
2	350	-		87			2	
3	300	-		88			3	
4	250	-		89			4	
5	200	-		90			5	
6	150	-		91			6	
7	100	-		92			7	
8	75	-		93			8	
9	50	-		94		285	9	
10	30	- suspension - noy beads		95		283	10	
11	20	-		96		283	11	
12	00	-		97		283	12	

Notes:

VESSEL: R/V Wecoma CRUISE ID: TN250 PROJECT & LEG: Eco-FOCI AFSC Cruise ID: 1WE10 STATION NO.: 142

CONSC CAST # 1455608.51 N 16936.36 W 04 SEP 10

LATITUDE: 16936.36 W LONGITUDE: 04 SEP 10 TIME (GMT): 08:10 DRY BULB: 10.1 WET BULB: 10.1 PRESSURE: 91 SEA STATE: \* \* VISIBILITY: \* \* WIND DIRN.: 207 WIND SPD.: 18 CLOUD (amt): \* \* WEATHER: \* \* BOTTOM DEPTH: 444 (m) STA. NAME/ID: PCND5

REMARKS: SBE 9+ FLUOR S/N SBE 43-Oxy (prime) SBE 43-Oxy (sec) Transmissometer PAR S/N O2 Temp Sensor No.

No.	DEPTH DESIRED	Reset. notes	SALT	Hydro Team-PMEL		CHL.	N/S No.	N/S	N/S No.
				Nut Bri	O2-Bri/No				
1	438		X 559	98	102		1		1
2	400			99	X 175		2		2
3	350						3		3
4	300						4		4
5	250						5		5
6	200						6		6
7	150						7		7
8	100						8		8
9	75						9		9
10	50						10		10
11	20						11		11
12	0						12		12

Notes:

VESSEL		CRUISE ID		PROJECT & LEG		AFSC Cruise ID		STATION NO.																	
R/V Weconia		WE1008b		Eco-FOCI		1WE10		143																	
CONSC CAST #	LATITUDE	DEG	MIN	DEG	MIN	DAY	MO	YR	HR	MIN	TIME (GMT)	DRY BULB	WET BULB	PRESSURE	SEA STATE	VISIBILITY	WIND DRN.	WIND SPD.	CLOUD (amt)	TYPE	WEATHER	BOTTOM DEPTH	STA. NAME/ID		
146	56°05'.62 N	1	69	38	17	W	04	S	E	P	10	921	10.2	10.292			21	123				152	PCND6		
SBE 9+		FLUOR S/N		SBE43-Oxy (frame)		SBE43-Oxy (sec)		Transmissometer		PAR S/N		O2 Temp Sensor No.		REMARKS											
PRESS SN		SBE43-Oxy (frame)		SBE43-Oxy (sec)		Transmissometer		PAR S/N		O2 Temp Sensor No.		MAX DEPTH =													
PRI TEMP SN		SBE43-Oxy (frame)		SBE43-Oxy (sec)		Transmissometer		PAR S/N		O2 Temp Sensor No.															
SEC TEMP SN		SBE43-Oxy (frame)		SBE43-Oxy (sec)		Transmissometer		PAR S/N		O2 Temp Sensor No.															
PRI COND SN		SBE43-Oxy (frame)		SBE43-Oxy (sec)		Transmissometer		PAR S/N		O2 Temp Sensor No.															
SEC COND SN		SBE43-Oxy (frame)		SBE43-Oxy (sec)		Transmissometer		PAR S/N		O2 Temp Sensor No.															
Niskin		Roset.		Hydro Team: PMEL		Nur.Bt		O2.Bt.No		CHL		NIS		NIS		NIS		NIS		NIS		NIS		NIS	
No.	DEPTH	DESIRED	notes	SALT	Nur.Bt	O2.Bt.No	CHL	No.	No.	No.	No.	No.	No.	No.	No.	No.	No.	No.	No.	No.	No.	No.	No.	No.	
1	147				110			1																1	
2	125				111			2																2	
3	100				112			3																3	
4	75				113			4																4	
5	50				114			5																5	
6	40				115			6																6	
7	30				116			7																7	
8	20				117			8																8	
9	10				118			9																9	
10	0				119			10																10	
11								11																11	
12								12																12	

Notes:

none

- 1) First cast done w pumps off. Bottles fired
- 2) Second cast, pumps turned ON to get a profile.



VESSEL: R/V Wecoma  
 CRUISE ID: TN250  
 PROJECT & LEG: WE1008B  
 Eco-FOCI  
 AFSC Cruise ID: 1WE10  
 STATION NO.: 144

CONSC CAST #	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	
1475602		51	N	169	40	18	W	04	S	E	P	10	1021	110	3	10	393		218	22			164	PCU07

REMARKS: \_\_\_\_\_  
 MAX. DEPTH = \_\_\_\_\_ m

SBE 9+ \_\_\_\_\_ FLUOR S/N \_\_\_\_\_  
 PRESS SN \_\_\_\_\_ SBE43-Oxy (prime) \_\_\_\_\_  
 P80 TEMP SN \_\_\_\_\_ SBE43-Oxy (sec) \_\_\_\_\_  
 SEC TEMP SN \_\_\_\_\_ Transmissometer \_\_\_\_\_  
 P80 COND SN \_\_\_\_\_ PAR S/N \_\_\_\_\_  
 SEC COND SN \_\_\_\_\_ O2 Temp Sensor No. \_\_\_\_\_

No.	DEPTH DESIRED	Roset. notes	SALT	Hydro Team-PMEL			CHL	No.	No.	No.	No.	No.	No.	No.	No.
				Nur. Bri	O2-Btl. No										
1	161		56.0	120			1								
2	125			121			2								
3	100			122			3								
4	75			123			4								
5	50			124			5								
6	40			125			6								
7	30			126			7								
8	20			127			8								
9	10			128			9								
10	0			129			10								
11							11								
12							12								

Notes:

None None

VESSEL: R/V Weconia  
 CRUISE ID: TN250  
 PROJECT & LEG: Eco-FOCI  
 AFSC Cruise ID: 1WE10  
 STATION NO.: 145

CONSC CAST #: 14855  
 LATITUDE: 57.85 N  
 DEGREE: 57, MINUTE: 85  
 LONGITUDE: 16943.08 W  
 DEGREE: 169, MINUTE: 43, SECOND: 08  
 DAY: 04, MO: SEP, YR: 10  
 TIME (GMT): 11:25  
 DRY BULB: 10.1 (°C)  
 WET BULB: 10.1 (°C)  
 PRESSURE: 1019.4 (mb)  
 SEA STATE: \*  
 VISIBILITY: \*  
 WIND DIRN: 209 (deg)  
 WIND SPD: 20 (kts)  
 CLOUD (amt): \*  
 TYPE: \*  
 WEATHER: \*  
 BOTTOM DEPTH: 863 (m)  
 STA. NAME/ID: PCN08  
 MAX. DEPTH = m

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

No.	DEPTH DESIRED	Roset. notes	SALT	Hydro Team-PNEL			CHL.	NS No.													NS No.
				Nur.Btl	O2-Btl.No																
1	857			130	107			1													1
2	700			131	221			2													2
3	600			132	231			3													3
4	500			133	147			4													4
5	400			134	228	227		5													5
6	300			135	107			6													6
7	200			136				7													7
8	100			137				8													8
9	75			138				9													9
10	50			139				10													10
11	20			140				11													11
12	0			141				12													12

Notes:



VESSEL: **R/V Weconia** CRUISE ID: **TN250** PROJECT & LEG: **WE1008b** Eco-FOCI: **1WE10** AFSC Cruise ID: **1WE10** STATION NO.: **146**

CONSC CAST # **1495553** LATITUDE **16945.51 N** LONGITUDE **04 SEP 10** TIME (GMT) **123710.1** DRY BULB (°C) **10.1** WET BULB (°C) **10.0** PRESSURE (mb) **94** SEA STATE **2** VISIBILITY (deg) **20** WIND DIRN. (deg) **20** WIND SPD. (kts) **20** CLOUD (amt) **13** WEATHER **40** BOTTOM DEPTH (m) **1340** STA. NAME/ID **PCN09**

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

No.	DEPTH DESIRED	Roset: notes	Hydro Team-FMEL				NIS No.	NIS
			SALT	NUTR	O2-BULB No.	CHL.		
1	1330		X 561	142	X 090	60	1	1
2	1000			143	X 182		2	2
3	700			144	X 058		3	3
4	400			145	X 222		4	4
5	300			146	X 243		5	5
6	200			147	X 218		6	6
7	100			148			7	7
8	75			149			8	8
9	50			150	X 285		9	9
10	30			151	X 283		10	10
11	10			152	X ↓		11	11
12	0			153	X ↓		12	12

Notes:

VESSEL		CRUISE ID: TN250		PROJECT & LEG		AFSC Cruise ID		STATION NO.										
R/V Weconia		WE1008b		Eco-FOCI		1WE10		147										
CONSC CAST #	LATITUDE		LONGITUDE		TIME (GMT)		DRY BULB	WET BULB	PRESSURE	SEA STATE	VISIBILITY	WIND DIRN.	WIND SPD.	CLOUD (amt)	WEATHER	BOTTOM DEPTH	STA. NAME/ID	
150	55	38.14 N	169	15.22 W	04	SEP 10	1700	10.1	10.1	96	*	181	21	*	*	2370	PCM10	
DEG	MIN	DEG	MIN	DAY	MO	YR	HR	MIN	(°C)	(°C)	(mb)	(deg)	(kts)	*	*	(m)		
REMARKS																		
FLUOR S/N																		
SBE 9+																		
PRESS SN																		
SBE 43-Oxy (preme)																		
PAR TEMP SN																		
SBE 43-Oxy (sec)																		
SEC TEMP SN																		
Transmissometer																		
PAR COND SN																		
PAR S/N																		
SEC COND SN																		
02 Temp Sensor No.																		
Niskin																		
No.	DEPTH DESIRED	Roset: notes	SALT	Nut.Bt	02-Btl.No	CHL.	NIS No.											NIS No.
1	2000		x 562	154	x 197		1											1
2	1750			155	x 242		2											2
3	1500			156	x 194		3											3
4	1250			157	x 208		4											4
5	1000			158	x 178		5											5
6	750			159	x 239		6											6
7	500			160			7											7
8	250			161			8											8
9	100			162			9											9
10	50			163			10											10
11	30			164			11											11
12	0			165			12											12

*Underway Plot*

Notes:

VESSEL: R/V Wecoma  
 CRUISE ID: TN250  
 PROJECT & LEG: WE1008B  
 Eco-FOCI  
 ASSC Cruise ID: 1WE10  
 STATION NO.: 148

CONSC CAST # 1515545.88 N  
 LATITUDE 169 11.75 W  
 DEGREE MIN DAY MO YR HR MIN  
 04 SEP 10 19 10  
 DRY BULB 9.9  
 WET BULB 9.9  
 PRESSURE 96  
 SEA STATE \* \*  
 VISIBILITY \* \*  
 WIND DIRN. (deg) 201  
 WIND SPD. (kts) 18  
 CLOUD (amt) \* \*  
 WEATHER \* \*  
 BOTTOM DEPTH (m) 2058  
 STA. NAME/ID PCW09

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

N/S No.	Roset.				Hydro Team-PWEL				N/S No.
	DEPTH	notes	SALT	Nut.Bri	O2-Btl.No	CHL.	DEPTH	notes	
1	2000	-		166	X175		1		
2	1750	-		167			2		
3	1500	-		168	X145		3		
4	1250	-		169	X235		4		
5	1000	-		170	X219		5		
6	750	-		171			6		
7	500	-		172			7		
8	250	-		173			8		
9	100	-		174			9		
10	50	-		175			10		
11	30	-		176		283	11		
12	0	-		177		283	12		

Notes:

VESSEL: R/V *Wecoma* CRUISE ID: **TN250** PROJECT & LEG: **WE1008b** Eco-FOCI: **1WE10** AFSC Cruise ID: **1WE10** STATION NO.: **149**

CONSC CAST # **152555a** LATITUDE: **26 N** DEGREE MIN **16908** LONGITUDE: **74 W** DEGREE MIN **04** DAY **10** MO **SEP** YR **2008** TIME (GMT) **12410.1** DRY BULB **10.1** WET BULB **10.1** PRESSURE **97** SEA STATE **1** VISIBILITY **19219** WIND DIRN. **192** WIND SPD. **19** CLOUD (amt) **2258** WEATHER **pcmd8** BOTTOM DEPTH **2258** STA. NAME/ID

SBE 9+ \_\_\_\_\_ FLUOR S/N \_\_\_\_\_  
 PRESS SN \_\_\_\_\_ SBE43-Oxy (prime) \_\_\_\_\_  
 PAR TEMP SN \_\_\_\_\_ SBE43-Oxy (sec) \_\_\_\_\_  
 SEC TEMP SN \_\_\_\_\_ Transmissionmeter \_\_\_\_\_  
 PAR COND SN \_\_\_\_\_ PAR S/N \_\_\_\_\_  
 SEC COND SN \_\_\_\_\_ 02 Temp Sensor No. \_\_\_\_\_

REMARKS: *Again TL 22 in top 20m*

No.	DEPTH	DESCRD	Roset. notes	SALT	Hydro Team-PMEL			NIS No.	NIS
					Nut.Bt	O2-Bt.No	CHL		
1	2000			K 564	178			1	
2	1750				179			2	
3	1500			X 565	180			3	
4	1250				181			4	
5	1000				182			5	
6	750			K 566	183			6	
7	500				184			7	
8	250				185			8	
9	100				186			9	
10	50				187			10	
11	25				188			11	
12	0				189			12	

Notes:

VESSEL: R/V Weconia  
 CRUISE ID: TN250  
 PROJECT & LEG: WE1008b  
 EcoFOCI  
 AFSC Cruise ID: 1WE10  
 STATION NO.: 15D

CONSC CAST # 153  
 DEG 55  
 MIN 56.22  
 N  
 LONGITUDE  
 DEG 169  
 MIN 06.71  
 W  
 DAY 04  
 MO SEP  
 YR 10  
 HR 23  
 MIN 36  
 TIME (GMT)  
 DRY BULB (°C) 14.1  
 WET BULB (°C) 14.1  
 PRESSURE (mb) 98  
 SEA STATE \*  
 VISIBILITY \*  
 WIND DIRN (deg) 198  
 WIND SPD. (kts) 15  
 CLOUD (amt) \*  
 TYPE \*  
 WEATHER \*  
 BOTTOM DEPTH (m) 1334  
 STA. NAME/ID PCMPBT

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

REMARKS  
 Primary Salt had above 50 m  
 on down cast  
 Pump off on down cast

Niskin No.	DEPTH DESIRED	Roset. notes	Hydro Team-PNEL			NIS No.	NIS
			SALT	Nut Btl	O2-Btl No		
1	Bot	✓		1		1	
2	1500			2		2	
3	1250			3		3	
4	1000			4		4	
5	750			5		5	
6	500			6		6	
7	250			7		7	
8	175			8		8	
9	100			9		9	
10	50			10		10	
11	25			11		11	
12	0			12		12	

Did not pump  
 on pump samples  
 Core top  
 broken

Notes:

VESSEL: R/V *Wecoma* CRUISE ID: **TN250** PROJECT & LEG: **WE1008B** Eco-FOCI: **1WE10** AFS-Cruise ID: **1WE10** STATION NO. **15Φ**

CONSC CAST #	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)	WEATHER	BOTTOM DEPTH (m)	STA. NAME/ID	
154	55	51.20	N	69	06.75	W	05	SEP	10	00	40	10.0	10.0	2099			202	10				1838	<i>PCMBZ</i>

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 Trmp Sensor No. \_\_\_\_\_

Niskin No.	DEPTH		Roset notes	Hydro Team-PMEL				NIS No.	NIS	NIS No.
	DESIRED	SALT		NUT. BH	OZ-BTLNO	CHL.	MAX DEPTH =			
1	<i>Bot</i>	<i>1832-</i>		<i>1</i>				1		1
2	<i>1500</i>	<i>-</i>		<i>2</i>				2		2
3	<i>1250</i>	<i>-</i>		<i>3</i>		<i>1107</i>		3		3
4	<i>1000</i>	<i>-</i>		<i>4</i>		<i>1221</i>		4		4
5	<i>750</i>	<i>-</i>		<i>5</i>		<i>147</i>		5		5
6	<i>500</i>	<i>-</i>		<i>6</i>		<i>227</i>		6		6
7	<i>250</i>	<i>-</i>		<i>7</i>				7		7
8	<i>175</i>	<i>-</i>		<i>8</i>				8		8
9	<i>100</i>	<i>-</i>		<i>9</i>				9		9
10	<i>50</i>	<i>-</i>		<i>10</i>				10		10
11	<i>25</i>	<i>-</i>		<i>11</i>				11		11
12	<i>0</i>	<i>-</i>		<i>12</i>				12		12

Notes:

REMARKS: *Surf water bottles given*



VESSEL: R/V Wecoma  
 CRUISE ID: TN250  
 PROJECT & LEG: WE1008b  
 Eco-FOCI  
 AFSC Cruise ID: 1WE10  
 STATION NO.: 157

CONSC CAST #	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	
15555	01	70	169	04	18	W	05	SEP	10	0240	10.1	10.1	db		23	114					1580	PCMOG

SBE 9+ \_\_\_\_\_ FLUOR S/N \_\_\_\_\_  
 PRESS SN \_\_\_\_\_ SBE43-Oxy (prime) \_\_\_\_\_  
 PRI TEMP SN \_\_\_\_\_ SBE43-Oxy (sec) \_\_\_\_\_  
 SEC TEMP SN \_\_\_\_\_ Transmissometer \_\_\_\_\_  
 PRI COND SN \_\_\_\_\_ PAR S/N \_\_\_\_\_  
 SEC COND SN \_\_\_\_\_ O2 Temp Sensor No. \_\_\_\_\_  
 REMARKS: Bottom 50m haul, ASD, 100g. 11  
 MAX DEPTH = \_\_\_\_\_ m

No.	DEPTH DESIRED	Roset. notes	Hydro Team-PMEL				No.	No.	No.	No.	No.
			SALT	NutBri	O2-BtlNo	CHL					
1	Bot -1560			13	167	1					
2	1000			14	060	2					
3	750			15	182	3					
4	500			16	058	4					
5	250			17	222	5					
6	175			18		6					
7	100			19	P	7					
8	50			20	F	8					
9	30			21	F	9					
10	20			22	F	10					
11	10			23	F	11					
12	0			24	P	12					

Notes:

VESSEL: R/V *Wecoma* CRUISE ID: **TN250** PROJECT & LEG: **WE1008b** AFSC Cruise ID: **1WE10** STATION NO.: *15-2*

CONSC CAST # *1565606.99N* LATITUDE: DEG *169* MIN *17.79* W LONGITUDE: DEG *05* MIN *52* DAY *10* MONTH *10* YEAR *0527* TIME (GMT) HR *9* MIN *9* DRY BULB (°C) *9.9* WET BULB (°C) *9.9* PRESSURE (mb) *1013* SEA STATE *3* VISIBILITY (deg) *22* WIND DIRN (deg) *17* WIND SPD (kts) *17* CLOUD (amt) *17* TYPE *17* WEATHER *17* BOTTOM DEPTH (m) *840* STA. NAME/ID *PC105*

SBE 9+ FLUOR S/N  
 SBE43-Oxy (pH) S/N  
 SBE43-Oxy (sec) S/N  
 SBE43-Oxy (sec) S/N  
 PAR S/N  
 SEC COND SN  
 O2 Trip Sensor No.

REMARKS: \_\_\_\_\_

MAX DEPTH = \_\_\_\_\_ m

No.	DEPTH		SALT	Hydro Team-PMEL			CHL.	NIS No.	NIS	NIS No.	NIS
	DESIRED	NOTES		NUTRIT	O2-BLNO						
1	<i>Bot</i>	<i>833-</i>		<i>25</i>	<i>X243</i>			1		1	
2	<i>766</i>	<i>-</i>	<i>X567</i>	<i>26</i>				2		2	
3	<i>500</i>	<i>-</i>		<i>27</i>		<i>X218</i>		3		3	
4	<i>975</i>	<i>-</i>		<i>28</i>				4		4	
5	<i>975</i>	<i>-</i>		<i>29</i>				5		5	
6	<i>200</i>	<i>-</i>		<i>30</i>				6		6	
7	<i>150</i>	<i>-</i>		<i>31</i>				7		7	
8	<i>100</i>	<i>-</i>		<i>32</i>				8		8	
9	<i>75</i>	<i>-</i>		<i>33</i>				9		9	
10	<i>50</i>	<i>-</i>		<i>34</i>				10		10	
11	<i>20</i>	<i>-</i>		<i>35</i>				11		11	
12	<i>0</i>	<i>-</i>		<i>36</i>				12		12	

Notes:



VESSEL		CRUISE ID TN250		PROJECT & LEG		AFSC Cruise ID		STATION NO.														
R/V Weconia		WE1008b		Eco-FOCI		1WE10		153														
CONSC CAST #	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
15756	111	42N	168	59.78	05	SEP	10	07	38	0738	9.5	9.8	05			234	15				197	PCMP4
SBE 9+ _____ FLUOR S/N _____ PRESS SN _____ SBE43-Oxy (prime) _____ PPI TEMP SN _____ SBE43-Oxy (sec) _____ SEC TEMP SN _____ Transducer _____ PPI COND SN _____ PAR S/N _____ SEC COND SN _____ 02 Temp Sensor No. _____																						
Niskin		Hydro. Team-PHEL										NIS										
No.	DEPTH	ROSET.	SALT	Nut.BI	O2-BI.No	CHL.	No.			No.												
1	Bot	-198		37	197		1			1												
2	175	-		38			2			2												
3	150	-		39			3			3												
4	125	-		40			4			4												
5	100	-		41			5			5												
6	75	-		42			6			6												
7	50	-		43			7			7												
8	40	-		44			8			8												
9	30	-		45			9			9												
10	20	-		46			10			10												
11	10	-		47			11			11												
12	0	-		48			12			12												

Notes:  
 Niskin #9 was not closed (value) all the way - broken  
 open during cast. Bad

VESSEL: R/V Wacoma  
 CRUISE ID: TN250  
 PROJECT & LEG: WE1008B  
 ATSC Cruise ID: 1WE10  
 STATION NO.: 154

CONSC CAST #	LATITUDE		LONGITUDE		DAY	MO	YR	HR	MIN	TIME (GMT)	DRY BULB (°C)	WET BULB (°C)	PRESSURE (mb)	SEA STATE	VISIBILITY	WIND DIRN. (deg)	WIND SPD. (kts)	CLOUD (amt)	WEATHER	BOTTOM DEPTH (m)	STA. NAME/ID
15856	14	62 N	168	58 W	05	SEP	10	8	35		9.8	9.8	86			221	16			149	PCMD3

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

No.	DEPTH		SALT	Hydro Team-PMEL		CHL.	No.	No.	No.	No.
	DESIRED	NOTES		Nuc Btl	O2-Btl No					
1	139		X569	49			1			
2	125			50			2			
3	100			51			3			
4	75			52			4			
5	50			53		285	5			
6	40			54		253	6			
7	30			55			7			
8	20			56			8			
9	10			57			9			
10	0			58	X242	↑	10			
11							11			
12							12			

Notes:

VESSEL: R/V *Wecoma* CRUISE ID: **TN250** PROJECT & LEG: **WE1008b** Eco-FOCI AFSC Cruise ID: **1WE10** STATION NO.: **155**

CONSC CAST #	DEG	MIN	LATITUDE	DEG	MIN	LONGITUDE	DAY	MO	YR	HR	MIN	TIME (GMT)	DRY BULB (°C)	WET BULB (°C)	PRESSURE (mb)	SEA STATE	VISIBILITY	WIND DIRN. (deg)	WIND SPD. (kts)	CLOUD (amt)	WEATHER	BOTTOM DEPTH (m)	STA. NAME/ID
159	56	19	83 N	168	55	66 W	05	SEP	10	9	58	9.9	9.9	908			24	215				133	PCMD2

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

No	DEPTH		SALT	NutRtl	O2-BtlNo	OHL	NIS No	NIS No
	DESIRED	notes						
1	128			59	X144		1	1
2	100			60			2	2
3	75			61			3	3
4	65			62			4	4
5	50			63		285	5	5
6	40			64		283	6	6
7	30			65			7	7
8	20			66			8	8
9	10			67			9	9
10	0			68			10	10
11							11	11
12							12	12

Notes:

VESSEL: R/V Wacoma  
 PROJECT & LEG: WE1008b  
 AFSC Cruise ID: 1WE10  
 STATION NO.: 156

CRUISE ID: TN250  
 ECOFOCI: EcoFOCI  
 TIME (GMT): 11 02 10

CONSC CAST #	DEG	MIN	DEG	MIN	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	
16056	25	04	16	53	15	05	SEP	10	11	02	10	21	9	2	08	223	21				114	PCMO1

REMARKS: MAX DEPTH =

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

No.	DEPTH DESIRED	Roset notes	SALT	Hydro. Team-PWEL			CHL.	No.	No.	No.	No.
				Nut.Brt	O2-Brt No						
1	109			69			1				1
2	90			70			2				2
3	75			71			3				3
4	50			72		265	4				4
5	40			73		283	5				5
6	30			74			6				6
7	20			75			7				7
8	10			76			8				8
9	0		570	77	208	↑	9				9
10							10				10
11							11				11
12							12				12

Notes:

VESSEL: R/V *Wecoma* CRUISE ID: TN250 PROJECT & LEG: Eco-FOCI AFSC Cruise ID: 1WE10 STATION NO: 157

CONSC CAST # 1611 DEG 56.25 MIN .00 N DEG 168.24 MIN 46 W DAY 05 MO SEP YR 10 HR 13 MIN 03

TIME (GMT) 1303 DRY BULB 19.6 WET BULB 19.6 PRESSURE 1011 SEA STATE 1 VISIBILITY 1 WIND DIRN. 229 WIND SPD. 18 CLOUD (amt) WEATHER BOTTOM DEPTH 129 STA. NAME/ID ACS01

SBE 9+ FLUOR S/N SBE 43-Oxy (prime) SBE 43-Oxy (sec) Transmissometer PAR S/N O2 Temp Sensor No.

REMARKS: MAX. DEPTH =

No.	DEPTH	notes	SALT	Hydro Team-PMEL			No.	No.	No.	No.	No.	No.
				Nut. Btl	O2-Btl No	CHL						
1	124			78			1					1
2	100			79			2					2
3	75			80			3					3
4	65			81			4					4
5	50			82		T 285	5					5
6	40			83		283	6					6
7	30			84		>178	7					7
8	20			85			8					8
9	10			86			9					9
10	0			87			10					10
11							11					11
12							12					12

Notes: none

VESSEL		CRUISE ID		PROJECT & LEG		AFSC Cruise ID		STATION NO.													
R/V <i>Wecoma</i>		WE1008b		Eco-FOCI		1WE10		158													
CONSC CAST #	LATITUDE		LONGITUDE		TIME (GMT)	DRY BULB	WET BULB	PRESSURE	SEA STATE	VISIBILITY	WIND DIRN	WIND SPD	CLOUD (amt)	TYPE	WEATHER	BOTTOM DEPTH	STA. NAME/ID				
16256	26	00	N	16826	32	W	05	S E P	10	14	09	9.3	9.3	11		234	17			155	PCSOZ
SBE 9+ PRESS SN PRI TEMP SN SEC TEMP SN PRI COND SN SEC COND SN	FLUOR S/N		SBE43-Oxy (prime) SBE43-Oxy (sec) Transmissometer PAR S/N		O2 Trip Sensor No.		REMARKS										MAX DEPTH =				
Hydro Team: PVEL																					
No.	DEPTH DESIRED	notes	SALT	Nut.Btl	O2-Btl.No	CHL.	No.											No.			
1	150			88	X230		1											1			
2	125			89			2											2			
3	100			90			3											3			
4	75			91			4											4			
5	50			92		X285	5											5			
6	40			93		X285	6											6			
7	30			94			7											7			
8	20			95			8											8			
9	10			96			9											9			
10	0		X571	97			10											10			
11							11											11			
12							12											12			

Salinity trace looks weird up!

Notes:



VESSEL: R/V *Wecoma* CRUISE ID: **TN250** PROJECT & LEG: **WE1008b** Eco-FOCI: **1WE10** ASCC Cruise ID: **1WE10** STATION NO.: **159**

CONISC CAST #	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)	WEATHER	BOTTOM DEPTH (m)	STA. NAME/ID
16356	14	49	168	28	20	05	SEP	10	15	19	9.8	9.8	11			221	15			172	PCSD3

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 Trns Sension No. \_\_\_\_\_

REMARKS: \_\_\_\_\_

MAX DEPTH = \_\_\_\_\_ m

No	DEPTH		SALT	Hydro Team-PMEL			No.	No.
	DESIRED	notes		Nutr:Btl	O2-BTLNO	CHL.		
1	167			98			1	1
2	125			99			2	2
3	100			100			3	3
4	75			101			4	4
5	65			102			5	5
6	50			103		285	6	6
7	40			104		283	7	7
8	30			105			8	8
9	20			106			9	9
10	10			107			10	10
11	0			108	✓	175	11	11
12							12	12

Notes:

VESSEL: R/V Wecoma  
 CRUISE ID: TN250  
 PROJECT & LEG: WE1008b  
 Eco-FOCI: WE10  
 AFSC Cruise ID: 1WE10  
 STATION NO.: 160

CONSC CAST #	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	
16456	10	00	N	168	29	9	9	05	S	E	P	10	16	15	9.8	9.8	812	199	16				242	PCSD4

REMARKS: \_\_\_\_\_  
 MAX DEPTH = \_\_\_\_\_ m

SBE 9+ \_\_\_\_\_  
 FLUOR S/N \_\_\_\_\_  
 SBE43-Oxy (prme) \_\_\_\_\_  
 SBE43-Oxy (sec) \_\_\_\_\_  
 PRI TEMP SN \_\_\_\_\_  
 SEC TEMP SN \_\_\_\_\_  
 Transmissometer \_\_\_\_\_  
 PRI COND SN \_\_\_\_\_  
 PAR S/N \_\_\_\_\_  
 SEC COND SN \_\_\_\_\_  
 O2 Trnp Sension No. \_\_\_\_\_

No.	DEPTH DESIRED	notes	SALT	Hydro Team-PMEL			CHL.	NIS No.	NIS No.	NIS No.	NIS No.	NIS No.
				Nut.Btl	O2-Btl.No							
1	230		✓572	109	✓145		1					1
2	200			110			2					2
3	175			111			3					3
4	150			112			4					4
5	125			113			5					5
6	100			114			6					6
7	75			115			7					7
8	50			116			8					8
9	40			117			9					9
10	30			118			10					10
11	20			119			11					11
12	⊙			120			12					12

Notes:



VESSEL: WE1008B  
 CRUISE ID: TN250  
 PROJECT & LEG: Eco-FOCI  
 AFSC Cruise ID: 1WE10  
 STATION NO.: 161

CONSC CAST # 16556  
 LATITUDE 06.1611 N  
 LONGITUDE 16831.26 W  
 DAY 05  
 MO SEP  
 YR 10  
 TIME (GMT) 1704  
 DRY BULB 9.7  
 WET BULB 9.7  
 PRESSURE 1012  
 SEA STATE \* \* \*  
 VISIBILITY \* \* \*  
 WIND DIRN. 201  
 WIND SPD. 15  
 CLOUD (amt) \* \* \*  
 WEATHER \* \* \*  
 BOTTOM DEPTH (m) 384  
 STA. NAME/ID PCS05

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

No.	DEPTH DESIRED	Roset. notes	SALT	Hydro Team-PWEL			CHL.	NIS No.		NIS No.
				NUC:Btl	O2-Btl No					
1	378			121				1		1
2	300			122				2		2
3	200			123				3		3
4	150			124				4		4
5	100			125				5		5
6	75			126				6		6
7	50			127				7		7
8	40			128				8		8
9	30			129				9		9
10	20			130				10		10
11	10			131				11		11
12	0			132				12		12

Notes: none

970

VESSEL: R/V *Wecoma* CRUISE ID: **TN250** PROJECT & LEG: **WE1008B** Eco-FOC AFSC Cruise ID: **1WE10** STATION NO.: *162*

CONSC CAST #	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
<i>161</i>	<i>56</i>	<i>02.60</i>	<i>168</i>	<i>32.89</i>	<i>05</i>	<i>SEP</i>	<i>10</i>	<i>1800</i>	<i>9.6</i>	<i>9.6</i>	<i>9.6</i>	<i>12</i>				<i>203</i>	<i>15</i>				<i>492</i>	<i>PCSO6</i>

SBE 9+  FLUOR S/N \_\_\_\_\_  
 PRESS SN \_\_\_\_\_ SBE4 3-Oxy (prime) \_\_\_\_\_  
 PRI TEMP SN \_\_\_\_\_ SBE4 3-Oxy (sec) \_\_\_\_\_  
 SEC TEMP SN \_\_\_\_\_ Transmissometer \_\_\_\_\_  
 PRI COND SN \_\_\_\_\_ PAR S/N \_\_\_\_\_  
 SEC COND SN \_\_\_\_\_ IO2 Temp Sensor No. \_\_\_\_\_

REMARKS: \_\_\_\_\_

MAX DEPTH = \_\_\_\_\_ m

No.	Niskin		Hydro Team-PMEL				NIS No.	NIS	NIS No.
	DEPTH DESIRED	Roset. notes	SALT	NUT BR	O2-BLND	CHL.			
<i>1</i>	<i>488</i>		<i>573</i>	<i>133</i>	<i>219</i>			<i>1</i>	
<i>2</i>	<i>400</i>			<i>134</i>				<i>2</i>	
<i>3</i>	<i>300</i>			<i>135</i>				<i>3</i>	
<i>4</i>	<i>200</i>			<i>136</i>				<i>4</i>	
<i>5</i>	<i>100</i>			<i>137</i>				<i>5</i>	
<i>6</i>	<i>75</i>			<i>138</i>				<i>6</i>	
<i>7</i>	<i>50</i>			<i>139</i>				<i>7</i>	
<i>8</i>	<i>40</i>			<i>140</i>				<i>8</i>	
<i>9</i>	<i>30</i>			<i>141</i>				<i>9</i>	
<i>10</i>	<i>20</i>			<i>142</i>				<i>10</i>	
<i>11</i>	<i>10</i>			<i>143</i>				<i>11</i>	
<i>12</i>	<i>0</i>			<i>144</i>				<i>12</i>	

Notes:

VESSEL: R/V Weconia  
 CRUISE ID: TN250  
 PROJECT & LEG: WE1008b  
 Eco-FOCI: 1WE10  
 AFSC Cruise ID: 1WE10  
 STATION NO.: 163

CONSC CAST #		LATITUDE		LONGITUDE		TIME (GMT)		DRY BULB	WET BULB	PRESSURE	SEA STATE	VISIBILITY	WIND DIRN.	WIND SPD.	CLOUD (amt)	TYPE	WEATHER	BOTTOM DEPTH	STA. NAME/ID			
DEG	MIN	DEG	MIN	DAY	MO	YR	HR	MIN	(°C)	(°C)	(mb)	*	(deg)	(kts)	*	*	*	(m)				
167	55	57	30	16	8	34	77	05	S	E	P	10	19	41	9.8	9.8	13		195	19	MBV	PC507

SBE 9+ \_\_\_\_\_ FLUOR S/N \_\_\_\_\_  
 PRESS SN \_\_\_\_\_ SBE43-Oxy (prme) \_\_\_\_\_  
 PPT TEMP SN \_\_\_\_\_ SBE43-Oxy (sec) \_\_\_\_\_  
 SEC TEMP SN \_\_\_\_\_ Transmissometer \_\_\_\_\_  
 PPT COND SN \_\_\_\_\_ PAR S/N \_\_\_\_\_  
 SEC COND SN \_\_\_\_\_ Q2 Temp Sensor No. \_\_\_\_\_  
 REMARKS: \_\_\_\_\_  
 MAX DEPTH = \_\_\_\_\_ m

No.	DEPTH DESIRED	Roset. notes	SALT	Hydro Team-PMEL			CHL.	NS No.	NS	NS No.
				Nut.BtI	O2-BtI.No					
1	BOT	-155		145	167			1		1
2	125	-		146				2		2
3	100			147				3		3
4	75			148				4		4
5	50			149			285	5		5
6	40			150			283	6		6
7	30			151				7		7
8	20			152				8		8
9	10			153				9		9
10	0			154				10		10
11								11		11
12								12		12

Notes: None

VESSEL: R/V Weconia  
 CRUISE ID: TN250  
 PROJECT & LEG: WET1008b  
 Eco-FOCI  
 AFSC Cruise ID: 1WE10  
 STATION NO.: 164

CONSC CAST # 1685550  
 LATITUDE 50.65 N  
 DEGREE MIN  
 DEGREE MIN  
 LONGITUDE 16837.11 W  
 DAY 05  
 MO SEP  
 YR 10  
 TIME (GMT) 2114  
 DRY BULB 9.9  
 WET BULB 9.9  
 PRESSURE 1012  
 SEA STATE +  
 VISIBILITY +  
 WIND DIRN 167  
 WIND SPD. 18  
 CLOUD (amt) +  
 TYPE +  
 WEATHER +  
 BOTTOM DEPTH (m) 145  
 STA. NAME/ID Pes DB  
 REMARKS  
 MAX DEPTH = m

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

NIS/In	DEPTH	Roset.	Hydro Team-PWEL				NIS	NIS	NIS	NIS	NIS
			DESIRED	notes	SALT	Mut.Btl					
1	Bot	140'	X	155	221	1					
2	125	/		156		2					
3	100	/		157		3					
4	75	/		158		4					
5	50	/		159		5					
6	40	/		160		6					
7	30	/		161		7					
8	20	/		162		8					
9	10	/		163		9					
10	0	/		164		10					
11						11					
12						12					

Notes:

VESSEL: R/V *Wecoma* CRUISE ID: TN250 PROJECT & LEG: Eco-FOCI WET1008b AFSC Cruise ID: 1WE10 STATION NO.: 165

CONSC CAST # 1695544.196 N 16839.24 W 05 SEP 10 2021 9:9 9:9 11 15221 145

DEG MIN DEG MIN DAY MO YR HR MIN (°C) (°C) (mb) (deg) (kts) (amt) TYPE WEATHER BOTTOM DEPTH STA. NAME/ID

REMARKS: *PCS 09*

FLUOR S/N \_\_\_\_\_ SBE43-Oxy (prime) \_\_\_\_\_ SBE43-Oxy (sec) \_\_\_\_\_ Transmissometer \_\_\_\_\_ PAR S/N \_\_\_\_\_ O2 Temp Sensor No. \_\_\_\_\_

MAX. DEPTH = \_\_\_\_\_ m

No.	Niskin		Hydro Team-PMEL				NIS		NIS No.
	DEPTH DESIRED	Notes	SALT	Nut/Bt	O2-BRL No	CHL	No.		
1	Bot	135-	574	165	147		1		1
2	100	-		146			2		2
3	75	-		167			3		3
4	58	-		168		2.85	4		4
5	40	-		169		2.83	5		5
6	30	-		170			6		6
7	20	-		171			7		7
8	10	-		172			8		8
9	0	-		173		2.83	9		9
10							10		10
11							11		11
12							12		12

Notes: *See See*

VESSEL: R/V Weconna  
 CRUISE ID: TN250  
 PROJECT & LEG: WE1008b  
 ASEC Cruise ID: 1WE10  
 STATION NO.: 166

CONSC CAST # 1705539.97 N  
 DEG MIN  
 LATTITUDE  
 DEG MIN  
 LONGITUDE  
 DAY MO YR  
 DATE: 05 SEP 10  
 TIME (GMT) HR MIN  
 232210.4  
 DRY BULB (°C) 10.4  
 WET BULB (°C) 10.3  
 PRESSURE (mb) 10  
 SEA STATE \*  
 VISIBILITY \*  
 WIND DIRN (deg) 147  
 WIND SPD (kts) 24  
 CLOUD (amt) \*  
 TYPE \*  
 WEATHER \*  
 BOTTOM DEPTH (m) 165  
 STA. NAME/ID PCSB

REMARKS  
 MAX DEPTH = m

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

No.	DEPTH DESIRED	Roset. notes	Hydro Team-PML				NIS No.	NIS No.
			SALT	NUL BIT	O2-BIT No.	CHL.		
1	Bot -160			174	227		1	
2	150			175			2	
3	125			176			3	
4	100			177			4	
5	75			178			5	
6	50			179			6	
7	40			180			7	
8	30			181			8	
9	20			182			9	
10	10			183			10	
11	0			184			11	
12							12	

Notes: No

No 165?



VESSEL: R/V Wecoma  
 CRUISE ID: TN250  
 PROJECT & LEG: Eco-FOCI  
 AFSC Cruise ID: 1WE10  
 STATION NO.: 167

CONSC CAST # 171  
 DEG 55.34.96 N  
 LONGITUDE 169.42.90 W  
 DAY 16  
 MO SEP  
 YR 10  
 TIME (GMT) 0025  
 HR 11  
 MIN 41  
 DRY BULB 15.1  
 WET BULB 10.7  
 PRESSURE 1010.7  
 SEA STATE 8  
 VISIBILITY 15  
 WIND DIRN 09  
 WIND SPD 15  
 CLOUD (amt) 0  
 TYPE 0  
 WEATHER 0  
 BOTTOM DEPTH 718  
 STA. NAME/ID PCS11  
 MAX DEPTH =

REMARKS: Different cast after first bottle fired

No.	DEPTH	notes	SALT	Hydro Team-PMEL			NIS No.	NIS	cast	NIS No.
				Nut Bt	O2-Bt	CHL				
1	Bot	712. At bottom		185			1		cast 1710	1
2	500	500 - No 2 sample				2			Bot file Bot. #	2
3	250			186		3		17102		3
4	225			187		4		17103		4
5	190			188		5		17104		5
6	150			189		6		17105		6
7	120			11		7		17106		7
8	75			12		8		17107		8
9	46	40		3		9		17108		9
10	36	40		4		10		17109		10
11	26	0		5		11		171010		11
12	10	0		6		12		171011		12

Notes: 0  
 12  
 171012  
 283

200

VESSEL R/V Weconia	CRUISE ID TN250	PROJECT & LEG WE1008B	AFSC Cruise ID 1WE10	STATION NO. 168
CONSC CAST #	LATITUDE DEG MIN 5 SEC N 16844.9		LONGITUDE DEG MIN 70 DAY 06 MO SE YR 10	
TIME (GMT)	DRY BULB (°C)	WET BULB (°C)	PRESSURE (mb)	SEA STATE
1725	11.5	10.7	1016	1
1730				
1735				
1740				
1745				
1750				
1755				
1800				
1805				
1810				
1815				
1820				
1825				
1830				
1835				
1840				
1845				
1850				
1855				
1900				
1905				
1910				
1915				
1920				
1925				
1930				
1935				
1940				
1945				
1950				
1955				
2000				
2005				
2010				
2015				
2020				
2025				
2030				
2035				
2040				
2045				
2050				
2055				
2100				
2105				
2110				
2115				
2120				
2125				
2130				
2135				
2140				
2145				
2150				
2155				
2200				
2205				
2210				
2215				
2220				
2225				
2230				
2235				
2240				
2245				
2250				
2255				
2300				
2305				
2310				
2315				
2320				
2325				
2330				
2335				
2340				
2345				
2350				
2355				
2400				
2405				
2410				
2415				
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2440				
2445				
2450				
2455				
2500				
2505				
2510				
2515				
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2530				
2535				
2540				
2545				
2550				
2555				
2600				
2605				
2610				
2615				
2620				
2625				
2630				
2635				
2640				
2645				
2650				
2655				
2700				
2705				
2710				
2715				
2720				
2725				
2730				
2735				
2740				
2745				
2750				
2755				
2800				
2805				
2810				
2815				
2820				
2825				
2830				
2835				
2840				
2845				
2850				
2855				
2900				
2905				
2910				
2915				
2920				
2925				
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2935				
2940				
2945				
2950				
2955				
3000				
3005				
3010				
3015				
3020				
3025				
3030				
3035				
3040				
3045				
3050				
3055				
3100				
3105				
3110				
3115				
3120				
3125				
3130				
3135				
3140				
3145				
3150				
3155				
3200				
3205				
3210				
3215				
3220				
3225				
3230				
3235				
3240				
3245				
3250				
3255				
3300				
3305				
3310				
3315				
3320				
3325				
3330				
3335				
3340				
3345				
3350				
3355				
3400				
3405				
3410				
3415				
3420				
3425				
3430				
3435				
3440				
3445				
3450				
3455				
3500				
3505				
3510				
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3715				
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3730				
3735				
3740				
3745				
3750				
3755				
3800				
3805				
3810				
3815				
3820				
3825				
3830				
3835				
3840				
3845				
3850				
3855				
3900				
3905				
3910				
3915				
3920				
3925				
3930				
3935				
3940				
3945				
3950				
3955				
4000				
4005				
4010				
4015				
4020				
4025				
4030				
4035				
4040				
4045				
4050				
4055				
4100				
4105				
4110				
4115				
4120				
4125				
4130				
4135				
4140				
4145				
4150				
4155				
4200				
4205				
4210				
4215				
4220				
4225				
4230				
4235				
4240				
4245				
4250				
4255				
4300				
4305				
4310				
4315				
4320				
4325				
4330				
4335				
4340				
4345				
4350				
4355				
4400				
4405				
4410				
4415				
4420				
4425				
4430				
4435				



VESSEL: R/V Wecoma  
 CRUISE ID: TN250  
 PROJECT & LEG: WE1008b  
 Eco-FOCI: 1WE10  
 AFSC Cruise ID: 1WE10  
 STATION NO: 169

CONSC CAST #	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)	WEATHER	BOTTOM DEPTH (m)	STA. NAME/ID
173	55	58	168	06	24	W	06	SEP	10	0621	11.2	11.2	06			194	27			142	PCAX14

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

No	DEPTH		SALT	Hydro Team-PMEL			NIS	No	NIS
	DESIRED	notes		NUC BTI	O2-BTI No	CHL			
1	137			80	X.058		1		
2	100			21			2		
3	75			22			3		
4	50			23		285	4		
5	40			24		283	5		
6	30			25			6		
7	20			26			7		
8	10			27			8		
9	0			28			9		
10							10		
11							11		
12							12		

Notes: NU

VESSEL R/V Wecoma		CRUISE ID TN250		PROJECT & LEG WE1008b		Eco-FOCI		ASSC Cruise ID 1WE10		STATION NO. 170	
CONSC CAST #		LATITUDE		LONGITUDE		TIME (GMT)		DRY BULB		WET BULB	
17455		59.86 N		16815.18 W		06 SEP 10		182610.2		10.206	
DEG		MIN		DEG		DAY		MO		YR	
174		55		168		06		SEP		10	
SBE 9+		FLUOR S/N		SBE43-Oxy (prime)		REMARKS		PRESSURE		SEA STATE	
PRESS SN		SBE43-Oxy (sec)		Transmissometer		PAR S/N		VISIBILITY		WIND DIRN.	
PRI TEMP SN		PAR S/N		O2 Temp Sensor No.		WIND SPD.		CLOUD (amt)		TYPE	
SEC TEMP SN		O2 Temp Sensor No.		N/Skin		WIND WEATHER		BOTTOM DEPTH		STA. NAME/ID	
PRI COND SN		N/Skin		DEPTH		WIND WEATHER		DEPTH		PCAK13	
SEC COND SN		Roset:		SALT		Nur.Btl		O2-Btl.No		CHL.	
No		DESIRED		notes		No		No		No	
1		145				29		1		1	
2		125				30		2		2	
3		100				31		3		3	
4		75				32		4		4	
5		50				33		5		5	
6		40				34		6		6	
7		30				35		7		7	
8		20				36		8		8	
9		10				37		9		9	
10		0				38		10		10	
11						222		11		11	
12								12		12	

Notes:



VESSEL: R/V *Wecoma* CRUISE ID: **TN250** PROJECT & LEG: Eco-FOCI STATION NO.: *172*

CONSC CAST # \_\_\_\_\_ LATITUDE \_\_\_\_\_ LONGITUDE \_\_\_\_\_ DAY \_\_\_\_\_ MO \_\_\_\_\_ YR \_\_\_\_\_ TIME (GMT) \_\_\_\_\_ DRY BULB \_\_\_\_\_ WET BULB \_\_\_\_\_ PRESSURE \_\_\_\_\_ SEA STATE \_\_\_\_\_ VISIBILITY \_\_\_\_\_ WIND DIRN \_\_\_\_\_ WIND SPD \_\_\_\_\_ CLOUD (amt) \_\_\_\_\_ TYPE \_\_\_\_\_ WEATHER \_\_\_\_\_ BOTTOM DEPTH \_\_\_\_\_ STA. NAME/ID *PCAXIV P050*

DEG \_\_\_\_\_ MIN \_\_\_\_\_ SEC \_\_\_\_\_ DEG \_\_\_\_\_ MIN \_\_\_\_\_ SEC \_\_\_\_\_

FLUOR S/N \_\_\_\_\_ SBE43-Oxy (prime) \_\_\_\_\_ SBE43-Oxy (sec) \_\_\_\_\_ Transmissometer \_\_\_\_\_ PAR S/N \_\_\_\_\_ O2 Trmp Sensor No. \_\_\_\_\_

SBE 9+ \_\_\_\_\_ PRESS SN \_\_\_\_\_ PRI TEMP SN \_\_\_\_\_ SEC TEMP SN \_\_\_\_\_ PRI COND SN \_\_\_\_\_ SEC COND SN \_\_\_\_\_

No.	Niskin		Hydro Team-PWEL				NIS No.	NIS No.
	DEPTH DESIRED	notes	SALT	NUR BT	OZ-BT/NO	CHL.		
1	486		✓578	50			1	1
2	400			51			2	2
3	300			52			3	3
4	200			53			4	4
5	100			54			5	5
6	75			55			6	6
7	50			56			7	7
8	40			57			8	8
9	30			58			9	9
10	20			59			10	10
11	10			60			11	11
12	0			61	218		12	12

Notes:

*none*

REMARKS: \_\_\_\_\_ MAX. DEPTH = \_\_\_\_\_ m

VESSEL: CRUISE ID: TN250 PROJECT & LEG: Eco-FOCI AFS-Cruise ID: 1WE10 STATION NO. 173

R/V: WeComa WE1008b

CONSC CAST #		LATITUDE		LONGITUDE		TIME (GMT)	DRY BULB (°C)	WET BULB (°C)	PRESSURE (mb)	SEA STATE	VISIBILITY	WIND DIRN (deg)	WIND SPD (kts)	CLOUD (amt)	TYPE	WEATHER	BOTTOM DEPTH (m)	STA. NAME/ID
177	56	03	92 N	168	91 W	0820	13.56	9.5	9.505			195	26				820	PCAY10

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

REMARKS: \_\_\_\_\_

MAX DEPTH = \_\_\_\_\_ m

NIS No.	DEPTH DESIRED	Roset. notes	Hydro Team-PWEL			NIS No.
			SALT	NUCBI	O2-BI-NO	
1	814			62	✓197	1
2	600			63		2
3	400	Temp (subsurf)		64		3
4	300	Temp		65		4
5	200			66		5
6	100			67		6
7	75			69		7
8	50			69		8
9	40			70		9
10	30			71		10
11	20			72		11
12	0			73		12

Notes: No

VESSEL: R/V Weconia  
 CRUISE ID: TN250  
 PROJECT & LEG: WE1008b  
 AFSC Cruise ID: 1WE10  
 STATION NO.: 174

CONSC CAST #	DEG	MIN	LONGITUDE	DEG	MIN	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	
17856	05	28	N	168	50	7	1	06	SEP	10	16	11	9.9	9.9	605		199	26				751	PCAX09

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

Niskin No.	DEPTH DESIRED	Roset notes	Hydro Team-PMEL				NIS No.	NIS
			SALT	Nut Brl	O2-Brl.No	CHL.		
1	745			74	✓242		1	1
2	600			75			2	2
3	500			76			3	3
4	400			77			4	4
5	300			78			5	5
6	200			79			6	6
7	100			80			7	7
8	50			81			8	8
9	30			82			9	9
10	20			83			10	10
11	10			84			11	11
12	0		✓579	85		✓	12	12

Notes:



VESSEL: R/V *Waconia*      CRUISE ID: *TN250*      PROJECT & LEG: *WE1008b*      Eco-FOG      AFSC Cruise ID: *1WE10*      STATION NO.: *175*

CONSC CAST #      LATITUDE      LONGITUDE      TIME (GMT)      DRY BULB (°C)      WET BULB (°C)      PRESSURE (mb)      SEA STATE      VISIBILITY      WIND DIRN. (deg)      WIND SPD. (kts)      CLOUD (amt)      TYPE      WEATHER      BOTTOM DEPTH (m)      STA. NAME/ID

*179*      *56 06.98 N*      *169 01.90 W*      *06 SEP 10*      *184010.1*      *9.904*      *18622*      *840*      *PCAX 08*

SBE 9+      FLUOR S/N      REMARKS      MAX DEPTH =

PRESS SN      SBE43-Oxy (prime)      \_\_\_\_\_

PAR TEMP SN      SBE43-Oxy (sec)      \_\_\_\_\_

SEC TEMP SN      Transmissometer      \_\_\_\_\_

PAR COND SN      PAR S/N      \_\_\_\_\_

SEC COND SN      O2 Temp Sensor No.      \_\_\_\_\_

N/S	No.	Hydro Team-FMEL				N/S	No.	No.	No.	No.	No.	No.	No.	No.	No.	No.	No.
		DEPTH	ROSET	SALT	NUTRIT												
	1	<i>835</i>			<i>86</i>												
	2	<i>700</i>			<i>87</i>												
	3	<i>500</i>			<i>88</i>												
	4	<i>400</i>			<i>89</i>												
	5	<i>275</i>	<i>T.M.V.</i>		<i>90</i>												
	6	<i>200</i>			<i>91</i>												
	7	<i>150</i>			<i>92</i>												
	8	<i>100</i>			<i>93</i>												
	9	<i>75</i>			<i>94</i>												
	10	<i>50</i>			<i>95</i>												
	11	<i>20</i>			<i>96</i>												
	12	<i>0</i>			<i>97</i>												

Notes: *no*

*no*



VESSEL: R/V Wecoma  
 CRUISE ID: TN250  
 PROJECT & LEG: WE1008b  
 Eco-FOCI: WE10  
 AFSC Cruise ID: 176  
 STATION NO.: 176

CONSC CAST # 18056  
 LATITUDE 07.96 N  
 LONGITUDE 169.08.55 W  
 DAY 06 SEP 10  
 TIME (GMT) 0001  
 DRY BULB 10.3  
 WET BULB 9.8  
 PRESSURE 1004  
 SEA STATE \* \*  
 VISIBILITY \* \*  
 WIND DIRN. (deg) 189  
 WIND SPD. (kts) 26  
 CLOUD (amt) \* \*  
 WEATHER \* \*  
 BOTTOM DEPTH (m) 1144  
 STA. NAME/ID PCAY07

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

No	DEPTH DESIRED	Roset. notes	SALT	Hydro Team-PMEL			CHL.	NIS No.	NIS	NIS No.	NIS
				NUT BR	O2-BIL No						
1	Reset	1139-		98	201			1		1	
2	900	-		99				2		2	
3	700	-		100				3		3	
4	500	-		101				4		4	
5	400	-		102	208			5		5	
6	250	- Temp		103				6		6	
7	175	-		104				7		7	
8	100	-		105				8		8	
9	75	-		106				9		9	
10	50	-		107				10		10	
11	25	-		108				11		11	
12	0	-		109				12		12	

Notes:

VESSEL: R/V Weconna  
 CRUISE ID: TN250  
 PROJECT & LEG: WE1008b  
 AISC Cruise ID: 1WE10  
 STATION NO.: 177

CONSC CAST #	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		
1	81	56	09	35	N	16	9	17	50	W	06	SEP	10	21	45	10	10	9.	70	3	187	21	823	PCA X 06

SBE 9+ \_\_\_\_\_ FLUOR S/N \_\_\_\_\_  
 PRESS SN \_\_\_\_\_ SBEA3-Oxy (prme) \_\_\_\_\_  
 PRI TEMP SN \_\_\_\_\_ SBEA3-Oxy (sec) \_\_\_\_\_  
 SEC TEMP SN \_\_\_\_\_ Transmissionmeter \_\_\_\_\_  
 PRI COND SN \_\_\_\_\_ PAR S/N \_\_\_\_\_  
 SEC COND SN \_\_\_\_\_ O2 Temp Sensor No. \_\_\_\_\_

No.	DEPTH		SALT	Hydro Team-PWEL			NIS No.	NIS No.
	DESIRED	notes		MUT BR	O2-BR/NO	CHL.		
1	DOT	814		110			1	1
2	600			111	X 175		2	2
3	400			112			3	3
4	300			113	X 145		4	4
5	250			114			5	5
6	200			115			6	6
7	150			116			7	7
8	100			117			8	8
9	75			118	F		9	9
10	50			119	F		10	10
11	25			120	F		11	11
12	0			121	F		12	12

Notes:

VESSEL: R/V Weconra  
 CRUISE ID: TN250  
 PROJECT & LEG: WE1008B  
 AFS-Cruise ID: 1WE10  
 STATION NO.: 178

CONSC CAST # 18256  
 DEG 56  
 MIN 10.65  
 N 16926.34  
 W 07  
 DAY 07  
 MO SEP  
 YR 10  
 HR 00  
 MIN 33  
 TIME (GMT) 10.0  
 DRY BULB (°C) 9.8  
 WET BULB (°C) 02  
 PRESSURE (mb) \* \* 18419  
 SEA STATE \* \*  
 VISIBILITY \* \*  
 WIND DIRN. (deg) \* \*  
 WIND SPD. (kts) \* \*  
 CLOUD (amt) \* \*  
 TYPE \* \*  
 WEATHER \* \*  
 BOTTOM DEPTH (m) \* \*  
 STA. NAME/ID 565 PCAX05

SBE 9+ \_\_\_\_\_  
 FLUOR S/N \_\_\_\_\_  
 SBE43-Oxy (prome) \_\_\_\_\_  
 SBE43-Oxy (sec) \_\_\_\_\_  
 PRT TEMP SN \_\_\_\_\_  
 SEC TEMP SN \_\_\_\_\_  
 TRANSDUCER \_\_\_\_\_  
 PRT COND SN \_\_\_\_\_  
 SEC COND SN \_\_\_\_\_  
 PAR S/N \_\_\_\_\_  
 O2 Temp Sensor No. \_\_\_\_\_

REMARKS: *Bad weather break just prior to cast*

No.	DEPTH	DESIRED	Roset. notes	Hydro Team-PHEL				No.	No.	No.	No.
				SALT	NUTRIT	O2-BUL.No	CHL.				
1	BOT	555		122	123	235		1			1
2	410			124				2			2
3	350			125				3			3
4	300			126				4			4
5	250			127				5			5
6	200			128				6			6
7	150			129				7			7
8	106			130				8			8
9	75			131				9			9
10	50			132				10			10
11	25			133				11			11
12	0							12			12

*D.R. not get sample*

Notes:

VESSEL: CRUISE ID: TN250 PROJECT & LEG: Eco-FODI AFSC Cruise ID: 1WE10 STATION NO. 179

R/V: Weconia WE1008B

CONSC CAST #	LATITUDE		LONGITUDE		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	DEG	MIN																			
18356	11	84 N	149	34.40 W	07	SEP	10	02	35	10.2	10.2	102				190	19					417	PCAN04

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

No.	DEPTH DESIRED	Roset. notes	Hydro Team-PMEL			No.	No.	No.	No.	No.	No.
			SALT	Nut.Btl	O2-Btl.No						
1	BOT	400-		134	X219	1					
2	350	-		135		2					
3	300	-		136		3					
4	250	-		137		4					
5	200	-		138		5					
6	150	-		139		6					
7	105	-		140		7					
8	100	-		141		8					
9	75	-		142		9					
10	50	-		143		10					
11	25	-		144		11					
12	8	-		145		12					

Notes:

REMARKS rough sea waves

MAX DEPTH = 417 m

VESSEL: R/V Waconia  
 CRUISE ID: TN250  
 PROJECT & LEG: WE1008B  
 Eco-FOCI: 1WE10  
 STATION NO.: 184

CONSC CAST #  
 1845613.30 N  
 16944.12 W  
 DATE: 07 SEP 10  
 TIME (GMT): 040110.2  
 DRY BULB (°C): 9.8  
 WET BULB (°C): 8.0  
 PRESSURE (mb): 2462.8  
 SEA STATE: \* \* \*  
 VISIBILITY: \* \* \*  
 WIND DIRN (deg): \* \* \*  
 WIND SPD (kts): \* \* \*  
 CLOUD (amt): \* \* \*  
 TYPE: \* \* \*  
 WEATHER: \* \* \*  
 BOTTOM DEPTH (m): 765  
 STA. NAME/ID: PCPK03

REMARKS: *Tring Station very clear and with 100 bar MLD ~ 30m and 2462.8m*

MAX DEPTH = m

No.	DEPTH DESIRED	Roset. notes	Hydro Team-FMEL			CHL	NIS No.	NIS No.
			SALT	MULTI BI	O2-BI No			
1	Bot	278		146	167		1	1
2	250			147			2	2
3	200			148			3	3
4	125			149			4	4
5	100			150			5	5
6	75			151			6	6
7	50			152		285	7	7
8	40			153		283	8	8
9	30			154			9	9
10	20			155			10	10
11	10			156			11	11
12	0			157			12	12

Notes:

VESSEL: CRUISE ID: TN250 PROJECT & LEG: WE1008b AFS/Cruise ID: 1WE10 STATION NO. 181

R/V: Wecoma WE1008b Eco-FOCI: 1WE10

CONSC CAST # 185546  
 LATITUDE 14.73 N  
 LONGITUDE 169.53.02 W  
 DATE 27 SEP 10  
 TIME (GMT) 0558  
 DRY BULB 18.1 (°C)  
 WET BULB 9.8 (°C)  
 PRESSURE 01 (mb)  
 SEA STATE \* \* \*  
 VISIBILITY \* \* \*  
 WIND DIRN. (deg) 211  
 WIND SPD. (kts) 35  
 CLOUD (amt) \* \* \*  
 WEATHER \* \* \*  
 BOTTOM DEPTH (m) 120  
 STA. NAME/ID RCAX 02

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 Trmp Sensor No. \_\_\_\_\_

No.	DEPTH	DESIRED	Roset. notes	Hydro Team-FWEL			CHL.	No.	No.	No.	No.	No.	No.	No.	No.	No.	No.
				SALT	NUCBI	O2-BR/NO											
1	1301	113	-	X	158			1									
2	80	-	-		159			2									
3	50	-	-		160			3									
4	40	-	-		161			4									
5	30	-	-		162			5									
6	20	-	-		163			6									
7	10	-	-		164			7									
8	D	-	-		165			8									
9					1.1			9									
10								10									
11								11									
12								12									

Notes: X



VESSEL: R/V Weconia  
 CRUISE ID: TN250  
 PROJECT & LEG: WE1008b  
 EcoFOCI  
 AFSC Cruise ID: 1WE10  
 STATION NO.: 182

CONSC CAST # 18654

DEG 54 MIN 41.24 N

LONGITUDE DEG 66 MIN 14.19 W DAY 08 MO SEP YR 10 HR 04 MIN 06

TIME (GMT) 0406

DRY BULB (°C) 9.1

WET BULB (°C) 9.0

PRESSURE (mb) 1019

SEA STATE \*

VISIBILITY \*

WIND DIRN. (deg) 226

WIND SPD. (kts) 32

CLOUD (amt) \*

WEATHER \*

BOTTOM DEPTH (m) 895

STA. NAME/ID UB51

REMARKS

MAX DEPTH =

SBE 9+ \_\_\_\_\_ FLUOR S/N \_\_\_\_\_

PRESS SN \_\_\_\_\_ SBE43-Oxy (prime) \_\_\_\_\_

PRI TEMP SN \_\_\_\_\_ SBE43-Oxy (sec) \_\_\_\_\_

SEC TEMP SN \_\_\_\_\_ Transmissionmeter \_\_\_\_\_

PRI COND SN \_\_\_\_\_ PAR S/N \_\_\_\_\_

SEC COND SN \_\_\_\_\_ OZ Temp Sensor No. \_\_\_\_\_

No	DEPTH DESIRED	Roset. notes	SALT	Hydro Team-TMEL			CHL.	NIS No.													NIS No.
				NUT.BH	OZ-BTLNO																
1	Bot	285-	580	1	221			1													1
2	250	/		2				2													2
3	200	/		3				3													3
4	150	/		4				4													4
5	100	/		5				5													5
6	75	/		6				6													6
7	50	-		7			285	7													7
8	40	-		8			283	8													8
9	30	-		9				9													9
10	20	-		10				10													10
11	10	-		11				11													11
12	0	-		12			283	12													12

Notes:



VESSEL: R/V Wacoma  
 CRUISE ID: TN250  
 PROJECT & LEG: WE1008b  
 Eco-FOCI  
 AFSC Cruise ID: 1WE10  
 STATION NO.: 183

CONSC CAST # 18754  
 DEG 45.09 N  
 LONGITUDE 16603.08 W  
 DAY 08 SEP 10  
 TIME (GMT) 09.28  
 DRY BULB (°C) 22.0  
 WET BULB (°C) 21.27  
 PRESSURE (mb) 1012.7  
 SEA STATE \*  
 VISIBILITY \*  
 WIND DIRN. (deg) 241  
 WIND SPD. (kts) 27  
 CLOUD (amt) \*  
 TYPE \*  
 WEATHER \*  
 BOTTOM DEPTH (m) 225  
 STA. NAME/ID UBN1

SBE 9+ \_\_\_\_\_  
 PRESS SN \_\_\_\_\_  
 PRI TEMP SN \_\_\_\_\_  
 SEC TEMP SN \_\_\_\_\_  
 PRI COND SN \_\_\_\_\_  
 SEC COND SN \_\_\_\_\_  
 FLUOR S/N \_\_\_\_\_  
 SBE43-Oxy (prime) \_\_\_\_\_  
 SBE43-Oxy (sec) \_\_\_\_\_  
 Transmissometer \_\_\_\_\_  
 PAR S/N \_\_\_\_\_  
 O2 Trip Sensor No. \_\_\_\_\_  
 REMARKS: Still rough  
 MAX DEPTH = \_\_\_\_\_ m

No.	DEPTH DESIRED	Roset. notes	SALT	Hydro Team-FMEL			CHL.	No.	No.	No.	No.
				NUTR	O2-BLND	CHL.					
1	607	218-		13				1			1
2	175	-		14				2			2
3	150	-		15				3			3
4	125	-		16				4			4
5	100	-		17				5			5
6	75	-		18				6			6
7	50	-		19		285		7			7
8	40	-		20		283		8			8
9	30	-		21				9			9
10	20	-		22				10			10
11	10	-		23				11			11
12	0	-		24		282		12			12

Notes:

VESSEL: R/V Wacoma  
 CRUISE ID: TN250  
 PROJECT & LEG: WE1008B  
 Eco-FOCI: 1WE10  
 AFSC Cruise ID: 184  
 STATION NO.: 184

CONSC CAST # 188  
 DEG 54  
 MIN 48.74  
 N  
 LONGITUDE  
 DEG 165  
 MIN 57.54  
 W  
 DAY 08  
 MO SEP  
 YR 10  
 TIME (GMT) 0714  
 HR MIN  
 DRY BULB (°C) 9.1  
 WET BULB (°C) 8.7  
 PRESSURE (mb) 21  
 SEA STATE \* \*  
 VISIBILITY \* \*  
 WIND DIRN. (deg) 244  
 WIND SPD. (kts) 23  
 CLOUD (amt) \* \* \*  
 TYPE \* \* \*  
 WEATHER \* \* \*  
 BOTTOM DEPTH (m) 164  
 STA. NAME/ID UB N2

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

No.	DEPTH DESIRED	Roset. notes	SALT	Hydro Team-PNEL		CHL.	NIS		NIS No.
				NUL:Btl	O2-BULNO		No.		
1	BT 160	✓		25	*227		1		1
2	125	✓		26			2		2
3	100	✓		27			3		3
4	75	✓		28			4		4
5	50	✓		29		285	5		5
6	40	✓		30		283	6		6
7	30	✓		31			7		7
8	20	✓		32			8		8
9	10	✓		33		↙	9		9
10	Δ			34		283	10		10
11							11		11
12							12		12

Notes:

VESSEL: R/V Wacoma  
 ORUISE ID: TN250  
 PROJECT & LEG: WE1008b  
 Eco-FOI  
 AFSC Cruise ID: 1WE10  
 STATION NO.: 185

CONSC CAST #: 1895452.10 N  
 DEG: 16540.28 W  
 DAY: 08 SEP 10  
 HR: 0917  
 TIME (GMT): 9.3  
 DRY BULB: 8.9  
 WET BULB: 21  
 PRESSURE: 1026  
 SEA STATE: 2  
 VISIBILITY: 10  
 WIND DIRN: 210  
 WIND SPD: 26  
 CLOUD (amt): 142  
 TYPE: 142  
 WEATHER: 142  
 BOTTOM DEPTH: 142  
 STA. NAME/ID: UBN3

REMARKS: MAX DEPTH =

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

No	DEPTH DESIRED	Roset notes	Hydro Team-PHEL				NIS No.	NIS No.	NIS No.
			SALT	NUT.BI	OZ-BI.No	CHL.			
1	138			35			1	1	
2	125			36			2	2	
3	100			37			3	3	
4	75			38			4	4	
5	50			39			5	5	
6	40			40			6	6	
7	30			41			7	7	
8	20			42			8	8	
9	10			43			9	9	
10	0			44			10	10	
11							11	11	
12							12	12	

Notes:

Bottle 6 - Valve open

x

VESSEL: WE1008b  
 CRUISE ID: TN250  
 PROJECT & LEG: Eco-FOCI  
 AFSC Cruise ID: 1WE10  
 STATION NO.: 186

R/V: Weconia  
 CONSC CAST # 1905455  
 LATTITUDE: 82 N  
 DEGREE: 165  
 MINUTE: 28  
 SECOND: 79  
 LONGITUDE: 08 S  
 DEGREE: 110  
 MINUTE: 02  
 SECOND: 9.3  
 DAY: 08  
 MONTH: SEP  
 YEAR: 2010  
 TIME (GMT): 11:02  
 DRY BULB: 9.3  
 WET BULB: 9.0  
 PRESSURE: 22  
 SEA STATE: \*  
 VISIBILITY: \*  
 WIND DIRN: 243  
 WIND SPD: 27  
 CLOUD (amt): \*  
 TYPE: \*  
 WEATHER: \*  
 BOTTOM DEPTH: 125  
 STA. NAME/ID: UBN4

SBE 9+  
 PRESS SN  
 P10 TEMP SN  
 SEC TEMP SN  
 P10 COND SN  
 SEC COND SN  
 FLUOR S/N  
 SBE 43-Oxy (prime)  
 SBE 43-Oxy (sec)  
 Transmissometer  
 PAR S/N  
 Q2 Temp Sensor No.  
 REMARKS  
 MAX DEPTH =

No.	DEPTH DESIRED	Roset. notes	SALT	Hydro Team: PMEL			CHL	No.	No.	No.	No.	No.	No.	No.	No.
				Nut:BI	O2-BI:No										
1	120			45	✓	182		1							1
2	100			46				2							2
3	75			47				3							3
4	50			48			285	4							4
5	40			49			283	5							5
6	30			50				6							6
7	20			51				7							7
8	10			52				8							8
9	0			53				9							9
10								10							10
11								11							11
12								12							12

Notes:

VESSEL: R/V Wecoma  
 CRUISE ID: TN250  
 PROJECT & LEG: WE1008b  
 Eco-FOCI  
 AFSC Cruise ID: 1WE10  
 STATION NO.: 187

CONSC CAST #	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
1911	54	59	165	16	08	SEP	10	12	47	09:27	9.2	8.9	22			299	27				615	UBNS

REMARKS: MAX DEPTH =

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

No.	DEPTH DESIRED	Roset. notes	SALT	Hydro Team-FMEL			CHL.	No	No	No	No	No	No	No
				Nut.Btl	O2-Btl No	CHL.								
1	110			54			1							
2	75			55			2							
3	50			56			3							
4	46			57			4							
5	30			58			5							
6	20			59			6							
7	10			60			7							
8	0			61	✓	107	8							
9							9							
10							10							
11							11							
12							12							

Notes:

VESSEL: R/V Wecoma  
 CRUISE ID: TN250  
 PROJECT & LEG: WE1008b  
 ATSC Cruise ID: 1WE10  
 STATION NO.: 188

CONSC CAST # \_\_\_\_\_  
 DEG \_\_\_\_\_ MIN \_\_\_\_\_  
 LATTITUDE \_\_\_\_\_  
 DEG \_\_\_\_\_ MIN \_\_\_\_\_  
 LONGITUDE \_\_\_\_\_  
 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: UBN6

SBE 9+ \_\_\_\_\_  
 FLUOR S/N \_\_\_\_\_  
 SBE43-Oxy (prime) \_\_\_\_\_  
 SBE43-Oxy (sec) \_\_\_\_\_  
 Transmissometer \_\_\_\_\_  
 PAR S/N \_\_\_\_\_  
 O2 Temp Sensor No. \_\_\_\_\_  
 REMARKS \_\_\_\_\_  
 MAX DEPTH = \_\_\_\_\_ m

No.	DEPTH DESIRED	Roset. notes	Hydro Team-PMEL			CHL.	No.	No.	No.	No.	No.	No.	No.
			SALT	Nut.BI	O2-BI.LNo								
1	105		x 581	62	x 58?		1						
2	75			63			2						
3	50			64			3						
4	46			65			4						
5	30			66			5						
6	20			67			6						
7	10			68			7						
8	0			69			8						
9							9						
10							10						
11							11						
12							12						

Notes:



VESSEL: R/V Weconia  
 CRUISE ID: TN250  
 PROJECT & LEG: WE1008b  
 Eco-FOCI  
 AFSC Cruise ID: 1WE10  
 STATION NO.: 189

CONSC CAST # 19354  
 DEG 56.24 N  
 LONGITUDE 16459.72 W  
 DAY 08  
 MO SEP  
 YR 10  
 TIME (GMT) 1534  
 DRY BULB 8.9  
 WET BULB 8.7  
 PRESSURE 23  
 SEA STATE \*  
 VISIBILITY \*  
 WIND DIRN. 247  
 WIND SPD. 21  
 CLOUD (amt) \*  
 TYPE \*  
 WEATHER \*  
 BOTTOM DEPTH (m) 92  
 STA. NAME/ID UBE1

REMARKS  
 MAX DEPTH = m

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

Niskin No.	DEPTH DESIRED	Roset. notes	Hydro Team-PMEL				NIS No.	NIS No.
			SALT	Nut:chl	O2-Btl.No	CHL.		
1	87			70			1	
2	50			71			2	
3	40			72			3	
4	30			73			4	
5	20			74			5	
6	10			75			6	
7	0			76	✓ 222		7	
8							8	
9							9	
10							10	
11							11	
12							12	

Notes:



VESSEL: R/V Wecoma  
 CRUISE ID: TN250  
 PROJECT & LEG: Eco-FOCI  
 AFSC Cruise ID: 1WE10  
 STATION NO.: 196

CONSC CAST # 194  
 DEG 54  
 MIN 49  
 LATITUDE 161 N  
 DEG 164  
 MIN 53  
 LONGITUDE 164 W  
 DAY 08  
 MO SEP  
 YR 10  
 HR 17  
 MIN 00  
 TIME (GMT) 17:00  
 DRY BULB 8.8  
 WET BULB 8.6  
 PRESSURE 1024  
 SEA STATE  
 VISIBILITY  
 WIND DIRN 243  
 WIND SPD 18  
 CLOUD (amt)  
 TYPE  
 WEATHER  
 BOTTOM DEPTH 75  
 STA. NAME/ID UBE2

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

No.	DEPTH	DESIRED	notes	SALT	Hydro Team-PMEL			No.	No.	No.	No.	No.	No.	No.	No.
					Mur.Bt	O2-Bt/No	CHL								
1	70				77	✓243		1							
2	50				78		285	2							
3	40				79		283	3							
4	30				80			4							
5	20				81			5							
6	10				82			6							
7	0				83			7							
8								8							
9								9							
10								10							
11								11							
12								12							

Notes:

VESSEL: R/V Weconna  
 CRUISE ID: TN250  
 PROJECT & LEG: WE1008B  
 AFSC Cruise ID: 1WE10  
 STATION NO.: 191

EcoFOCI  
 CONSC CAST # 19554  
 LATITUDE 42.94 N  
 LONGITUDE 164.47 W  
 DAY 08  
 MO SEP  
 YR 10  
 TIME (GMT) 1950  
 DRY BULB 9.1  
 WET BULB  
 PRESSURE 25  
 SEA STATE  
 VISIBILITY  
 WIND DIRN. 242  
 WIND SPD. 23  
 CLOUD (amt)  
 TYPE  
 WEATHER  
 BOTTOM DEPTH (m) 44  
 STA. NAME/ID UBE03

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

No.	DEPTH DESIRED	Roset. notes	Hydro Team-PMEL				NIS No.	NIS No.
			SALT	Nut.Btl	O2-Btl No	CHL		
1	40			84	11		1	
2	30			85	283		2	
3	20			86			3	
4	10			87			4	
5	0			88	218		5	
6							6	
7							7	
8							8	
9							9	
10							10	
11							11	
12							12	

Notes:

VESSEL: R/V Weconra  
 CRUISE ID: TN250  
 PROJECT & LEG: Eco-FOCI  
 AFSC Cruise ID: 1WE10  
 STATION NO.: 192

CONSC CAST #

DEG MIN  
 19 6 54 26 . 45 N  
 16 4 59 . 24 W  
 08 SEP 10 08 22 14  
 8 . 4  
 8 . 225  
 \* \* \* \* \*  
 265 13  
 \* \* \* \* \*  
 57  
 UBS1

LONGITUDE  
 TIME (GMT)  
 DRY BULB (°C)  
 WET BULB (°C)  
 PRESSURE (mb)  
 SEA STATE  
 VISIBILITY  
 WIND DIRN. (deg)  
 WIND SPD. (kts)  
 CLOUD (amt)  
 TYPE  
 WEATHER  
 BOTTOM DEPTH (m)  
 STA. NAME/ID

REMARKS  
 MAX. DEPTH = m

No.	DEPTH DESIRED	Roset. notes	Hydro Team-PNEL				No.	No.	No.	No.	No.	No.
			SALT	Nut. Blt	O2-Btl/No	CHL.						
1	Rot	49-		189	197	285	1					1
2	40	-		90		283	2					2
3	30	-		91			3					3
4	20	-		92			4					4
5	10	D		93			5					5
6				94		283	6					6
7							7					7
8							8					8
9							9					9
10							10					10
11							11					11
12							12					12

Notes:

VESSEL: R/V *Wecoma* CRUISE ID: TN250 PROJECT & LEG: Eco-FOCI AFSC Cruise ID: 1WE10 STATION NO. 193

CONSC CAST # 1975425.18 N 16508.52 W 08 SEP 10 2334 9.0 8.225 266 18 135

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 *UBS2*

FLUOR S/N SBE-43-Oxy (prnme) SBE-43-Oxy (sec) Transmissometer PAR S/N O2 Temp Sensor No. REMARKS MAX DEPTH = m

No.	DEPTH DESIRED	Roset notes	Hydro. Team-PMEL			CHL.	NIS No	NIS No
			SALT	Mut.Bri	O2-Bit.No			
1	<i>Bot</i>	<i>BS</i>		<i>95</i>			1	1
2	<i>100</i>			<i>96</i>			2	2
3	<i>75</i>			<i>97</i>			3	3
4	<i>60</i>			<i>98</i>	<i>285</i>		4	4
5	<i>40</i>			<i>99</i>	<i>283</i>		5	5
6	<i>30</i>			<i>100</i>			6	6
7	<i>20</i>			<i>101</i>			7	7
8	<i>10</i>			<i>102</i>			8	8
9	<i>5</i>			<i>103</i>	<i>2242</i>	<i>283</i>	9	9
10							10	10
11							11	11
12							12	12

Notes:

VESSEL: R/V *Wecoma* CRUISE ID: TN250 PROJECT & LEG: Eco-FOCI Af-SC Cruise ID: 1WE10 STATION NO.: 194

CONSC CAST #	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)	WEATHER	BOTTOM DEPTH (m)	STA. NAME/ID
19	85	42	16	51	7	SEP	10	07	15	0715	8.6	8.9	25			27	8			18	UBS3

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

REMARKS

*Hole in Pass Line 111529*

Niskin No.	DEPTH DESIRED	Roset. notes	Hydro Team-PMEL				NIS No.	NIS
			SALT	Nut Brl	O2 Brl No	CHL.		
1	Bot	192-		104	X144		1	
2	75	-		105			2	
3	150	-		106			3	
4	125	-		107			4	
5	100	-		108			5	
6	75	-		109			6	
7	50	-		110			7	
8	40	-		111			8	
9	30	-		112			9	
10	20	-		113			10	
11	10	-		114			11	
12	0	-		115			12	

Notes:

VESSEL: R/V Weecma  
 CRUISE ID: TN250  
 PROJECT & LEG: WE1008b  
 Eco-FOCI  
 AFSC Cruise ID: 1WE10  
 STATION NO.: 195

CONSC CAST # 19954  
 LATITUDE: 41.05DN  
 DEGREE: 41, MINUTE: 05, SECOND: N  
 LONGITUDE: 16525.73W  
 DEGREE: 165, MINUTE: 25, SECOND: 73, TERTIARY: W  
 DAY: 09, MO: SEP, YR: 2010  
 TIME (GMT): 0335  
 HR: 03, MIN: 35  
 DRY BULB (°C): 8.5  
 WET BULB (°C): 8.4  
 PRESSURE (mb): 25  
 SEA STATE: \*  
 VISIBILITY: \*  
 WIND DIRN (deg): 273  
 WIND SPD (kts): 16  
 CLOUD (amt): \*  
 TYPE: \*  
 WEATHER: \*  
 BOTTOM DEPTH (m): 153  
 STA. NAME/ID: 0854

REMARKS: Chlorophyll down to 125m  
 SBE 9+  
 PRESS SN  
 PPT TEMP SN  
 SEC TEMP SN  
 PPT COND SN  
 SEC COND SN  
 FLUOR S/N  
 SBE43-Oxy (fume)  
 SBE43-Oxy (acc)  
 Transmissometer  
 PAR S/N  
 O2 Temp Sensor No.

Niskin No	DEPTH DESIRED	Roset. notes	Hydro Team: PMEL				N/S No.	N/S No.	N/S No.	N/S No.
			SALT	Nut. Brl	O2-BILO	CHL.				
1	Bot	149		116			1			1
2	125	/		117			2			2
3	100	/		118			3			3
4	75	/		119			4			4
5	50	/		120		285	5			5
6	40	/		121		283	6			6
7	30	/		122		/	7			7
8	20	/		123		/	8			8
9	10	/		124		/	9			9
10	0	/		125		283	10			10
11							11			11
12							12			12

Notes:



VESSEL: R/V *Wecoma* CRUISE ID: TN250 PROJECT & LEG: Eco-FOC AFSC Cruise ID: 1WE10 STATION NO.: 196

CONSC CAST # 2054 DEPT: 21.47 N LONGITUDE: 16655.68 W DAY: 09 SE P 10 0610 TIME (GMT): 0610 DRY BULB: 8.9 WET BULB: 8.525 PRESSURE: 1015 SEA STATE: VISIBILITY: WIND DIRN: 266 WIND SPD: 2.0 CLOUD (amt): WEATHER: BOTTOM DEPTH: 465 STA. NAME/ID: *UBW4*

SBE 9+ \_\_\_\_\_ FLUOR S/N \_\_\_\_\_  
 PRESS SN \_\_\_\_\_ SBE 43-Oxy (prme) \_\_\_\_\_  
 PRI TEMP SN \_\_\_\_\_ SBE 43-Oxy (sec) \_\_\_\_\_  
 SEC TEMP SN \_\_\_\_\_ Transmissometer \_\_\_\_\_  
 PRI COND SN \_\_\_\_\_ PAR S/N \_\_\_\_\_  
 SEC COND SN \_\_\_\_\_ Q2 Temp Sensor No. \_\_\_\_\_

REMARKS: \_\_\_\_\_  
 MAX. DEPTH = \_\_\_\_\_ m

No	DEPTH DESIRED	Roset notes	Hydro Team-PMEL			NIS No.	NIS No.
			SALT	MULBtl	O2-Btl No		
1	130	457		126		1	1
2	400			127		2	2
3	300			128		3	3
4	200			129		4	4
5	150			130		5	5
6	100			131		6	6
7	50			132	285	7	7
8	40			133	283	8	8
9	30			134		9	9
10	20			135		10	10
11	10			136		11	11
12	0			137	283	12	12

Notes: No *yes*



VESSEL: R/V *Wecoma* CRUISE ID: TN250 PROJECT & LEG: Eco-FOCI AFSC Cruise ID: 1WE10 STATION NO.: 197

WB03

CONSC CAST #		LATITUDE		LONGITUDE		TIME (GMT)		DRY BULB (°C)	WET BULB (°C)	PRESSURE (mb)	SEA STATE	VISIBILITY	WIND DIRN. (deg)	WIND SPD. (kts)	CLOUD (amt)	WEATHER	BOTTOM DEPTH (m)	STA. NAME/ID
20	154	28	32 N	166	02.34 W	09	SEP	10	08	13	9.2	.	24	24	15		540	

REMARKS: \_\_\_\_\_

MAX DEPTH = \_\_\_\_\_ m

SBE 9+ \_\_\_\_\_

FLUOR S/N \_\_\_\_\_

SBE-3-Oxy (prime) \_\_\_\_\_

PRESS SN \_\_\_\_\_

SBE-3-Oxy (sec) \_\_\_\_\_

PRI TEMP SN \_\_\_\_\_

Transmissometer \_\_\_\_\_

SEC TEMP SN \_\_\_\_\_

PAR S/N \_\_\_\_\_

PRI COND SN \_\_\_\_\_

O2 Temp Sensor No. \_\_\_\_\_

SEC COND SN \_\_\_\_\_

No.	DEPTH	Roset.	notes	SALT	Hydro Team-PNEL			CHL.	N/S No.	N/S	N/S No.	N/S
					Nuc Btl	O2-Btl No						
1	535				138				1		1	1
2	400				139				2		2	2
3	300				140				3		3	3
4	200				141				4		4	4
5	100				142				5		5	5
6	75				143				6		6	6
7	50				144		285		7		7	7
8	40				145		283		8		8	8
9	30				146				9		9	9
10	20				147				10		10	10
11	10				148				11		11	11
12	0				149				12		12	12

Notes:

VESSEL: R/V Wecoma  
 CRUISE ID: TN250  
 PROJECT & LEG: WE1008b  
 Eco-FOCI: WE10  
 AISC Cruise ID: 198  
 STATION NO.: 198

CONSC CAST #	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)	WEATHER	BOTTOM DEPTH (m)	STA. NAME/ID
20254	34	93	N	166	17	09	SEP	10	16	18	9.1	9.1	24	*	*	245	14	*	*	4/5	UBW2

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

No	DEPTH		SALT	Nut.Btl		O2-Btl.No	CHL.	No	No	No	No	No	No
	DESIRED	notes		Hydro Team-PMEL	Hydro Team-PMEL								
1	410			150				1					
2	350			151				2					
3	300			152				3					
4	200			153				4					
5	100			154				5					
6	75			155				6					
7	50			156			285	7					
8	40			157			283	8					
9	30			158				9					
10	20			159				10					
11	10			160				11					
12	0			161				12					

Notes:

VESSEL: R/V Weconia  
 CRUISE ID: TN250  
 PROJECT & LEG: WE1008b  
 Eco-FOCI  
 AFSC Cruise ID: 1WE10  
 STATION NO. 199

CONSC CAST #	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) *	WEATHER *	BOTTOM DEPTH (m)	STA. NAME/ID	
20354	41	25	N	166	14	21	W	09	SEP	10	12	18	9.1	9.1	23			242	12			200	199

REMARKS: MAX DEPTH =

NISKIN No	DEPTH DESIRED	Roset. notes	Hydro Team-PMEL				NIS No	NIS
			SALT	NaCl Brl	O2-Brl No	Chl.		
1	287			162			1	
2	250			163			2	
3	200			164			3	
4	150			165			4	
5	100			166			5	
6	75			167			6	
7	50			168			7	
8	40			169			8	
9	30			170			9	
10	20			171			10	
11	10			172			11	
12	0			173			12	

Notes: