

VESSEL: USF&W Tiglax CRUISE ID: US F&W Tiglax PROJECT & LEG: GOA-IERP-LTL Spring 2011 STATION NO. or alt. name:

CONSC CAST #	DEG	MIN	LONGITUDE	DEG	MIN	DATE (UTC)	TIME (UTC)	DRY BULB (°C)	WET BULB (°C)	PRESSURE (mb)	SEA STATE	VISIBILITY	WIND DIRN. (deg)	WIN SPD. (kts)	CLOUD (amt)	WEATHER	BOTTO M DEPTH (m)	STA. NAME/ID
00159	14	65	N 151.0147	W 26	Apr 11	1526											92	GPI

ADT Date and Time = 1 1

REMARKS

MAX DEPTH =

SBE 9+ 0438 FLUOR S/N  
 PRESS SN 63503 SBE43-Oxy (prime)  
 PRI TEMP SN 42272  
 SEC TEMP SN 42272 Transmissometer  
 PRI COND SN 042251 PAR S/N 4497  
 SEC COND SN 31772

NIS DEPTH Rosette Notes Hydro Team-PMEL Strom/Frederickson Comments

No.	DESIRED	SALT	Nut. Bil	O2-Bil. No	Frac Chloro	Prim. Prd Phyto	Micro Zoops	No.
1	85	297	8					1
2	60		7					2
3	50		6					3
4	40		5					4
5	30		4					5
6	26		3					6
7	16		2					7
8	0		1					8
9								9
10								10
11								11
12								12

Position is determined by GPS

SST=

SSSal=

VESSEL: USF&W Tiglax CRUISE ID: US F&W Tiglax PROJECT & LEG: GOA-IERP-LTL Spring 2011 STATION NO. or alt. name:

CONSC CAST #	LATITUDE	LONGITUDE	DATE (UTC)	TIME (UTC)	DRY BULB (°C)	WET BULB (°C)	PRESSURE (mb)	SEA STATE	VISIBILITY	WIND DIRN. (deg)	WIND SPD. (kts)	CLOUD (amt)	WEATHER	BOTTO M DEPTH (m)	STA. NAME/ID
002	59.100. N	150.997 W	25 Apr 11	1653	.	.	.	.	.	.	.	.	.	167	6P2

ADT Date and Time = 11

REMARKS: MAX. DEPTH =

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

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

PRI TEMP SN \_\_\_\_\_

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

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

SEC COND SN \_\_\_\_\_

No.	DEPTH DESIRED	Rosette Notes	Hydro Team-PMEL			Strom/Frederickson			Comments
			SALT	Nut:Bl	O2-Bl:No	Frac Chloro	Prim. Prg Phyto	Micro Zoops	
1	160			9					
2	150			10					
3	125			11					
4	100			12					
5	75			13					
6	50			14					
7	40			15					
8	30			16					leaker not sampled
9	20			17					
10	10			18					
11	0			19					
12									

SST=

SSSal=

VESSEL: US F&W Tiglax      CRUISE ID: US F&W Tiglax      PROJECT & LEG: GOA-IERP-LTL Spring 2011      STATION NO. or alt. name: GP-3

CONSC CAST #	58 57.48 N		150 55.48 W		DATE (UTC)	TIME (UTC)	DRY BULB (°C)	WET BULB (°C)	PRESSURE (mb)	SEA STATE	VISIBILITY	WIND DIRN. (deg)	WIN SPD. (kts)	CLOUD (amt)	WEATHER	BOTTO M DEPTH STA. NAME/ID
003	58.958	N	150.918	W	26 APR 11	1843	.	.	.	.	.	.	.	.	.	156

ADT Date and Time = 11 1

MAX. DEPTH =

SBE 9+ \_\_\_\_\_ FLUOR S/N \_\_\_\_\_  
 PRESS SN \_\_\_\_\_ SBE43-Oxy (prime) \_\_\_\_\_  
 PRI TEMP SN \_\_\_\_\_  
 SEC TEMP SN \_\_\_\_\_ Transmissometer \_\_\_\_\_  
 PRI COND SN \_\_\_\_\_ PAR S/N \_\_\_\_\_  
 SEC COND SN \_\_\_\_\_

NIS No.	DEPTH	Rosette Notes	Hydro Team-PMEL			Strom/Fredrickson			Comments
			SALT	Nut.Bit	O2-Bit.No	Frac Chloro	Prim. PrdPhyto	Micro Zoops	

1	150		20						
2	125		21						
3	100		22						
4	75		23						
5	50		24		6				
6	40		25		5				
7	30		26		4				
8	20		27		3				
9	10		28		2				D.I. not fr
10	0		29		1				
11									
12									

SST=      SSSal=

VESSEL: US F&W Tiglax CRUISE ID: US F&W Tiglax PROJECT & LEG: GOA-IERP-LTL Spring 2011 STATION NO. or alt. name:

CONSC CAST #	LATITUDE		LONGITUDE		DATE (UTC)			TIME (UTC)			DRY BULB (°C)	WET BULB (°C)	PRESSURE (mb)	SEA STATE	VISIBILITY	WIND DIRN. (deg)	WIN D SPD. (kts)	CLOUD (amt)	TYPE	WEATHER	BOTTO M DEPTH (m)	STA. NAME/ID
004	58	49.62N	150	52.98W	26	Apr	11	19	53	.	.										184	GP-4

ADT Date and Time = 11 11

REMARKS: MAX DEPTH =

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

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

PRI TEMP SN \_\_\_\_\_

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

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

SEC COND SN \_\_\_\_\_

No.	DEPTH DESIRED	Rosette Notes	Hydro Team-PMEL		Strom/Fredrickson			Comments														
			SALT	Nut Bit	O2-Bit/No	Chloro	Prim.	Phyto	Micro Zoops													
1	175			30																		
2	150			31																		
3	125			32																		
4	100			33																		
5	75			34																		
6	50			35																		
7	40			36																		
8	30			37																		
9	20			38																		
10	10			39																		
11	0		298	40																		
12																						

bottle 4 empty no Samples

SST=

SSSal=

VESSEL: US F&W Tiglax CRUISE ID: US F&W Tiglax PROJECT & LEG: GOA-IERP-LTL Spring 2011 STATION NO. or alt. name:

CONSC CAST #	58	LATITUDE	48.26 N	LONGITUDE	154 54.41 W	DATE (UTC)	26 APR 11	TIME (UTC)	21 42	DRY BULB (°C)	WET BULB (°C)	PRESSURE (mb)	SEA STATE	VISIBILITY	WIND DIRN. (deg)	WIN SPD. (kts)	CLOUD (amt)	WEATHER	BOTTO M DEPTH (m)	STA. NAME/ID
DEG	MIN	DEG	MIN	DAY	MO	YR	HR	MIN											193	GP-6

ADT Date and Time = 11 1

REMARKS: near 11-GPP-38A deployment 4 miles away

MAX DEPTH =

SBE 9+	FLUOR S/N	ROSETTE NOTES
PRESS SN	SBE43-Oxy (prime)	
PRI TEMP SN	Transmissometer	
SEC TEMP SN	PAR S/N	
PRI COND SN		
SEC COND SN		

No.	DEPTH	Rosette Notes	Hydro Team-PMEL		Strom/Fredrickson		Comments
			SALT	Nut Bit	O2-Bit/No	Frac Chloro/Prim. Pro/Phyto	
1	18			41			
2	175			42			
3	150			43			
4	125			44			
5	100			45			
6	75			46			
7	50			47			
8	40			48			
9	30			49			
10	20			50			
11	10			51			
12	0			52			

SST=

SSSal=

VESSEL: US F&W Tiglax CRUISE ID: US F&W Tiglax PROJECT & LEG: GOA-IERP-LTL Spring 2011 STATION NO. or alt. name:

CONSC CAST #	58	32.76 N	158	46.62 W	DATE (UTC)	TIME (UTC)	DRY BULB (°C)	WET BULB (°C)	PRESSURE (mb)	SEA STATE	VISIBILITY	WIND DIRN. (deg)	WIN D SPD. (kts)	CLOUD (amt)	TYPE	WEATHER	BOTTO M DEPTH (m)	STA. NAME/ID
	006	58.546	N	150.777	W 26	APR 11	23	33	.	.	.	.	.	.	.	.	146	GP-7

ADT Date and Time = 11 11 11 11 11 11  
 MAX. DEPTH =

REMARKS

SBE 9+ \_\_\_\_\_ FLUOR S/N \_\_\_\_\_  
 PRESS SN \_\_\_\_\_ SBE43-Oxy (prime) \_\_\_\_\_  
 PRI TEMP SN \_\_\_\_\_  
 SEC TEMP SN \_\_\_\_\_ Transmissometer \_\_\_\_\_  
 PRI COND SN \_\_\_\_\_ PAR S/N \_\_\_\_\_  
 SEC COND SN \_\_\_\_\_

No.	DEPTH	Rosette Notes	Hydro Team-PMEL		Strom/Fredrickson			Comments										
			SALT	Nut Bit	O2-Bit/No	Frac Chloro	Prim. Pro		Phyto	Micro Zoops								
1	139			53														
2	125			54														
3	100			55														
4	75			56														
5	50			57														
6	40			58														
7	30			59														
8	20			60														
9	10			61														
10	0			62														
11																		
12																		

EMPTY BOTTLE NO Sample

SST= SSSal=

VESSEL: US F&W Tiglax CRUISE ID: US F&W Tiglax PROJECT & LEG: GOA-IERP-LTL Spring 2011 STATION NO. or alt. name:

CONSC CAST #	50	LATITUDE	28.24 N	LONGITUDE	154 45.36 W	DATE (UTC)	27 APR 11	TIME (UTC)	0027	DRY BULB (°C)	WET BULB (°C)	PRESSURE (mb)	SEA STATE	VISIBILITY	WIND DIRN. (deg)	WIN SPD. (kts)	CLOUD (amt)	TYPE	WEATHER	BOTTO M DEPTH STA. NAME/ID	86
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ADT Date and Time = 11 1

REMARKS: Start AP Line

MAX DEPTH =

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

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

PRI TEMP SN \_\_\_\_\_

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

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

SEC COND SN \_\_\_\_\_

NIS No.	DEPTH DESIRED	Rosette Notes	Hydro Team-PMEL		Strom/Fredrickson		Comments														
			SALT	Nut.Bil	O2-Bil.No	Frac Chloro.Prim.	PridPhyto	Micro Zoops													
1	80		299	63																	
2	75			64																	
3	50			65																	
4	40			66																	
5	20			68																	
6	10			69																	
7	0			70																	
8	0																				
9																					
10																					
11																					
12																					

SST= SSSal=

30m missed

VESSEL: US F&W Tiglax      CRUISE ID: US F&W Tiglax      PROJECT & LEG: GOA-IERP-LTL Spring 2011      STATION NO. or alt. name: AP-5

CONSC CAST #	58	LATITUDE	28.14 N	LONGITUDE	154 56.58 W	DATE (UTC)	27 APR 2011	TIME (UTC)	0122	DRY BULB (°C)	WET BULB (°C)	PRESSURE (mb)	SEA STATE	VISIBILITY	WIND DIRN. (deg)	WIN D SPD. (kts)	CLOUD (amt)	TYPE	WEATHER	BOTTO M DEPTH (m)	STA. NAME/ID	
	008		58.469 N		150.943 W		27 APR 2011		0122												75	AP-5

ADT Date and Time = 1 1

MAX. DEPTH =

REMARKS

SBE 9+      FLUOR SN      SBE43-Oxy (prime)

PRESS SN      SBE43-Oxy (prime)

PRI TEMP SN      Transmissometer

SEC TEMP SN      Transmissometer

PRI COND SN      PAR SN

SEC COND SN

N/S	DEPTH	Rosette Notes	Hydro Team-PMEL			Strom/Fredrickson			Comments
			SALT	Nut:Bl	O2-Bl:No	Frac Chloro	Prim. Pro	Phyto	
	1	69		71					
	2	50		72					
	3	40		73					
	4	30		74					
	5	20		75					
	6	10		76					
	7	0		77					
	8								
	9								
	10								
	11								
	12								

SST=

SSSal=



VESSEL: US F&W Tiglax CRUISE ID: US F&W Tiglax PROJECT & LEG: GOA-IERP-LTL Spring 2011 STATION NO. or alt. name:

CONSC CAST #	DEG	MIN	LONGITUDE	DEG	MIN	DAY	MO	YR	HR	MIN	DATE (UTC)	TIME (UTC)	DRY BULB (°C)	WET BULB (°C)	PRESSURE (mb)	SEA STATE	VISIBILITY	WIND DIRN. (deg)	WIN SPD. (kts)	CLOUD (amt)	TYPE	WEATHER	BOTTO M DEPTH (m)	STA. NAME/ID
58	27	44	N	151	09	44	W					0222											99	AP-4
009	58	45	N	151	15	W	27	APR	11	2220														

ADT Date and Time = 1 1

REMARKS: MAX. DEPTH =

SBE 9+ \_\_\_\_\_ FLUOR S/N \_\_\_\_\_  
 PRESS SN \_\_\_\_\_ SBE43-Oxy (prime) \_\_\_\_\_  
 PRI TEMP SN \_\_\_\_\_  
 SEC TEMP SN \_\_\_\_\_ Transmissometer \_\_\_\_\_  
 PRI COND SN \_\_\_\_\_ PAR S/N \_\_\_\_\_  
 SEC COND SN \_\_\_\_\_

NIS No.	DEPTD	Rosette Notes	Hydro Team-PMEL		Strom/Fredrickson		Comments																	
			SALT	Nut Bit	O2-Bit No	Frac Chloro	Prim. Prd	Phyto	Micro Zoops															
1	95			78																				
2	75			79																				
3	50			80			6																	
4	40			81			5																	
5	30			82			4																	
6	20			83			3																	
7	10			84			2																	
8	0			85			1																	
9																								
10																								
11																								
12																								

SST= SSSal=

VESSEL: US F&W Tiglax      CRUISE ID: US F&W Tiglax      PROJECT & LEG: GOA-IERP-LTL Spring 2011      STATION NO. or alt. name:

CONSC CAST #	LATITUDE	LONGITUDE	DATE (UTC)	TIME (UTC)	DRY BULB (°C)	WET BULB (°C)	PRESSURE (mb)	SEA STATE	VISIBILITY	WIND DIRN. (deg)	WIND SPD. (kts)	CLOUD (amt)	WEATHER	BOTTO M DEPTH STA. NAME/ID
58	26.44 N	151 19.98 E	11 APR 2011	0442	.	.	.	.	.	.	.	.	.	AP-3
01D	58.44 N	151.3333 E	27 APR 2011	0442	.	.	.	.	.	.	.	.	.	133

ADT Date and Time = 11 APR 2011 0442

REMARKS: K51, AK, SM

MAX. DEPTH =

SBE 9+ \_\_\_\_\_ FLUOR S/N \_\_\_\_\_  
 PRESS SN \_\_\_\_\_ SBE43-Oxy (prime) \_\_\_\_\_  
 PRI TEMP SN \_\_\_\_\_  
 SEC TEMP SN \_\_\_\_\_ Transmissometer \_\_\_\_\_  
 PRI COND SN \_\_\_\_\_ PAR S/N \_\_\_\_\_  
 SEC COND SN \_\_\_\_\_

No.	DEPTH DESIRED	Rosette Notes	Hydro Team-PMEL		Strom/Fredrickson			Micro Zoops	Comments
			SALT	Nut Bit	O2-Bit No	Frac Chloro	Prim. Prq Phyto		
1	100		300	82					1200
2	100			82					
3	25			88					
4	50			89					Bottle didn't close
5	40			90					
6	30			91					
7	20			92					Bottle didn't close
8	10			93					
9	D			94					
10									
11									
12									

SS1-      SSSal=

VESSEL: US F&W Tiglax CRUISE ID: US F&W Tiglax PROJECT & LEG: GOA-IERP-LTL Spring 2011 STATION NO. or alt. name:

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)	WIN SPD (kts)	CLOUD (amt)	TYPE	WEATHER	BOTTO M DEPTH (m)	STA. NAME/ID		
58	25	24	N	151	31.84																169	AP2	
011	58	42	N	151	53	22	APR	11	0535	.	.											169	AP2

ADT Date and Time = 1 1

MAX DEPTH =

REMARKS

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

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

PRI TEMP SN \_\_\_\_\_

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

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

SEC COND SN \_\_\_\_\_

No.	DEPTH	Rosette Notes	Hydro Team-PMEL			Strom/Fredrickson			Micro Zoops	Comments
			SALT	Nut Bil	O2-Bil/No	Frac Chloro	Prim. Pro	Phyto		
1	105			95						
2	150			96						
3	125			97						
4	100			98						
5	75			99						
6	50			100						
7	40			101						
8	30			102						
9	20			103						
10	10			104						
11	0			105						
12										

SST= SSSal=



VESSEL: USF&W Tiglax  
 CRUISE ID: US F&W Tiglax  
 PROJECT & LEG: GOA-IERP-LTL Spring 2011  
 STATION NO. or alt. name: 555

CONSC CAST #	DEG	MIN	LONGITUDE	DEG	MIN	DATE (UTC)	TIME (UTC)	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	
013			58.05 N			152	41 W	27											87	555
ADT Date and Time = 1 1 09 40																				
REMARKS																				

SBE 9+ \_\_\_\_\_ FLUOR S/N \_\_\_\_\_  
 PRESS SN \_\_\_\_\_ SBE43-Oxy (prime) \_\_\_\_\_  
 PRI TEMP SN \_\_\_\_\_  
 SEC TEMP SN \_\_\_\_\_ Transmissometer \_\_\_\_\_  
 PRI COND SN \_\_\_\_\_ PAR S/N \_\_\_\_\_  
 SEC COND SN \_\_\_\_\_

NIS No.	DEPTH DESIRED	Rosette Notes	Hydro Team-PMEL			Strom/Frederickson				Comments	NIS No.	
			SALT	Nut.BI	O2-Btl.No	Frac Chloro	Prim. Prod	Phyto	Micro Zoops			
1	87			117								1
2	50			118			6					2
3	40			119			5					3
4	30			120			4					4
5	20			121			3					5
6	10			122			2					6
7	0			123			1					7
8												8
9												9
10												10
11												11
12												12

SST= \_\_\_\_\_ SSSal= \_\_\_\_\_

did not close  
 did not close  
 Extra bottle fixed

VESSEL: USF&W Tiglax CRUISE ID: US F&W Tiglax PROJECT & LEG: GOA-IERP-LTL Spring 2011 STATION NO. or alt. name:

CONSC CAST #	DEG	MIN	LONGITUDE	DEG	MIN	DATE (UTC)	TIME (UTC)	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
014	58	70312	N	152	3893	27	11	10	14	.	.	.	.	.	.	.	155	SE41
ADT Date and Time = 1 1 1 1 1 1																		

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

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

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

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

PRI TEMP SN \_\_\_\_\_ Transmissometer \_\_\_\_\_

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

PRI COND SN \_\_\_\_\_

SEC COND SN \_\_\_\_\_

NIS No.	DEPTH	Rosette Notes	Hydro Team-PMEL			Strom/Fredrickson			Comments
			SALT	Nut. Blt	O2-Btl No	Frac Chloro	Prim. Prod Phyto	Micro Zoops	
1	14L		301	124					
2	125			125					
3	10D			126					
4	75			127					
5	75								backup - not needed
6	5D			128					
7	4D			129					did not close & forgot to fire 2 bottles "
8	30			130					
9	2D			131					
10	1D			132					
11	D			133					
12	.								

SST=

SSSal=

VESSEL: USF&W Tiglax  
 CRUISE ID: US F&W Tiglax  
 PROJECT & LEG: GOA-IERP-LTL Spring 2011  
 STATION NO. or alt. name: 5E3

CONSC CAST #	DEG	MIN	LONGITUDE	DEG	MIN	DAY	MO	YR	HR	MIN	TIME (UTC)	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
015	58		44-66 N	152		27	APR	11	10	55												122	5E3
ADT Date and Time = 1 1																							

REMARKS: \_\_\_\_\_  
 MAX. DEPTH = \_\_\_\_\_  
 SBE 9+ \_\_\_\_\_ FLUOR S/N \_\_\_\_\_  
 PRESS SN \_\_\_\_\_ SBE43-Oxy (prime) \_\_\_\_\_  
 PRI TEMP SN \_\_\_\_\_  
 SEC TEMP SN \_\_\_\_\_ Transmissometer \_\_\_\_\_  
 PRI COND SN \_\_\_\_\_ PAR S/N \_\_\_\_\_  
 SEC COND SN \_\_\_\_\_

NIS No.	DEPTH	Rosette Notes	Hydro Team-PMEL		Strom/Fredrickson			Comments	NIS No.
			SALT	Nut. Blt	O2-Blt.No	Frac Chloro	Prim. Prod Phyto		
1	115			134					1
2	100			135					2
3	75			136					3
4	50			137		4			4
5	50							extra	5
6	40			138		5			6
7	30			139		4			7
8	30			139		4		extra (used)	8
9	20			140		3			9
10	10			141		2			10
11	0			142		1			11
12									12

SST =

SSSal =

VESSEL: USF&W Tiglax  
 CRUISE ID: US F&W Tiglax  
 PROJECT & LEG: GOA-IERP-LTL Spring 2011  
 STATION NO. or alt. name: SE 1

CONSC CAST #	DEG	MIN	LONGITUDE	DEG	MIN	DAY	MO	YR	HR	MIN	TIME (UTC)	DATE (UTC)	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	
16	58	49	62	N	152	20	810	W	23	APR	11	11	48	.	.	.	.	.	.	.	.	.	.	99	SE 1

ADT Date and Time = 1 1 1 1 1 1  
 SBE 9+  
 PRESS SN  
 PRI TEMP SN  
 SEC TEMP SN  
 PRI COND SN  
 SEC COND SN  
 FLUOR S/N  
 SBE43-Oxy (prime)  
 Transmissometer  
 PAR S/N  
 REMARKS  
 MAX. DEPTH =

NIS No.	DEPTH DESIRED	Rosette Notes			Hydro Team-PMEL			Strom/Fredrickson			Comments			NIS No.											
		SALT	Nut.Btl	O2-Btl.No	Frac Chloro	Prim. Prod Phyto	Micro Zoops																		
1	96		143																						1
2	75		144																						2
3	50		145	6																					3
4	40		146																						4
5	40		146	5																					5
6	30		147	4																					6
7	20		148	3																					7
8	20																								8
9	10		149	2																					9
10	0		150	1																					10
11																									11
12																									12

SST =  
 SSSal =



VESSEL: US F&W Tiglax  
 CRUISE ID: US F&W Tiglax  
 PROJECT & LEG: GOA-IERP-LTL Spring 2011  
 STATION NO. or alt. name: RE 7

CONSC CAST #	LATITUDE		LONGITUDE		DATE (UTC)			TIME (UTC)			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	7	58°	58.95'	N	152°	17.210'	W	22	APR	11	13	18	.	.							83	KE 7
ADT Date and Time = 1 1 1 1 1 1																						

REMARKS: MAX. DEPTH =

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

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

NIS No.	DEPTH DESIRED	Rosette Notes		Hydro Team-PWEL		Strom/Fredrickson				Comments	NIS No.	
		SALT	Nut.Btl	O2-Btl.No	Frac Chloro	Prim. Prod	Phyto	Micro Zoops				
1	7D		151									1
2	5D		152	4								2
3	4D		153	5								3
4	3D		154	4								4
5	3D											5
6	2D		155	3						did not close		6
7	1D		156	1								7
8	1D		156	2						backup		8
9	D		157	1								9
10												10
11												11
12												12

SST =

SSSal =

VESSEL: US F&W Tiglax  
 CRUISE ID: US F&W Tiglax  
 PROJECT & LEG: GOA-IERP-LTL Spring 2011  
 STATION NO. or alt. name:

CONSC CAST #	LATITUDE	LONGITUDE	DATE (UTC)	TIME (UTC)	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
18	59.110 N	152.161 W	27 APR	11:14:32	.	.									159	RE 4 KE 4

ADT Date and Time = 1 1

REMARKS

MAX. DEPTH =

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

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

PRI TEMP SN \_\_\_\_\_

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

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

SEC COND SN \_\_\_\_\_

NIS No.	DEPTH	Rosette Notes	Hydro Team-PMEL			Strom/Fredrickson			Comments	NIS No.
			SALT	Nut:Bl	O2-Btl.No	Frac Chloro	Prim. Prod Phyto	Micro Zoops		
1	15	7		158						1
2	125			159						2
3	100			160						3
4	75			161						4
5	50			162			6			5
6	40			163			5			6
7	30			164			4			7
8	20			165			3			8
9	10			166			2			9
10	0			302	167		1			10
11										11
12										12

*Did not Fire*

SST =

SSSal =

302

VESSEL: USF&W Tiglax  
 CRUISE ID: US F&W Tiglax  
 PROJECT & LEG: GOA-IERP-LTL Spring 2011  
 STATION NO. or alt. name: KE1

CONSC CAST #	LATITUDE		LONGITUDE		DATE (UTC)			TIME (UTC)			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
1959	23.2	N	152.036	W	27	APR	11	1539												85	KE1

ADT Date and Time = 1 1

REMARKS

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

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

PRI TEMP SN \_\_\_\_\_

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

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

SEC COND SN \_\_\_\_\_

NIS	DEPTH	Rosette Notes	Hydro Team-PMEL			Strom/Frederickson			Comments	NIS
			SALT	Nut.Btl	O2-Btl.No	Frac Chloro	Prim. Prod Phyto	Micro Zoops		
	1	77		168						1
	2	50		169						2
	3	40		170						3
	4	30		171						4
	5	20		172						5
	6	10		173						6
	7	0								7
	8	0		174						8
	9									9
	10									10
	11									11
	12									12

SST = \_\_\_\_\_ SSSal = \_\_\_\_\_

Did not Fire

VESSEL: US F&W Tiglax  
 CRUISE ID: US F&W Tiglax  
 PROJECT & LEG: GOA-ERP-LTL Spring 2011  
 STATION NO. or alt. name: 11CB88-3A

CONSC CAST #	LATITUDE		LONGITUDE		DATE (UTC)		TIME (UTC)		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
020	57'	30.760' N	151°	27.560' W	28	Apr	11	0604	.	.								146	

ADT Date and Time = 1 1

REMARKS: Post Deploy at 11CB88-3A

MAX. DEPTH =

SBE 9+ \_\_\_\_\_ FLUOR S/N \_\_\_\_\_  
 PRESS SN \_\_\_\_\_ SBE43-Oxy (prime) \_\_\_\_\_  
 PRI TEMP SN \_\_\_\_\_  
 SEC TEMP SN \_\_\_\_\_ Transmissometer \_\_\_\_\_  
 PRI COND SN \_\_\_\_\_ PAR S/N \_\_\_\_\_  
 SEC COND SN \_\_\_\_\_

No.	DEPTH DESIRED	Rosette Notes	Hydro Team-PMEL			Strom/Fredrickson				Comments
			SALT	Nut.Btl	O2-Btl.No	Frac Chloro	Prim. Prod	Phyto	Micro Zoops	
1	142		303	175						
2	125			176						
3	100			177						
4	75			178						
5	50			179						
6	40			180						
7	30			181						
8	30			182						
9	20			183						
10	19			184			1.23			
11	10			185						
12	0			186						

SST = \_\_\_\_\_ SSSal = \_\_\_\_\_

*cp*

VESSEL: US F&W Tigrax CRUISE ID: US F&W Tigrax PROJECT & LEG: GOA-IERP-LTL Spring 2011 STATION NO. or alt. name:

CONSC CAST #	DEG	MIN	LONGITUDE	DEG	MIN	DATE (UTC)	TIME (UTC)	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
21	57		2.700 N	152	53	28	11	12	44								89	HL 181

ADT Date and Time =

1 1

MAX. DEPTH =

REMARKS: NO CTD data. The file was over-written for CTD cast #22. The CTD files were changed to correspond w/ the cast sheets.  
 H-L-181 is the wrong sea cast file.

No.	DEPTHD DESIRED	Rosette Notes	SALT	Nut.Btl	O2-Btl.No	FACTORS	Prim. Prod	Phyto	Micro Zoops	Comments	No.
1	83			182		01					1
2	25			188		02					2
3	50			189		03					3
4	40									did not close	4
5	30			190		04					5
6	20			191		05					6
7	10									did not close	7
8	10			192		06				back up	8
9	0			193		07					9
10											10
11											11
12											12

SST=

SSSal=

VESSEL: US F&W Tiglax CRUISE ID: US F&W Tiglax PROJECT & LEG: GOA-IERP-LTL Spring 2011 STATION NO. or alt. name:

CONSC CAST #	DEG	MIN	LONGITUDE	DEG	MIN	DATE (UTC)	TIME (UTC)	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
22	56	815	N	152.463	W	29	Apr 11 2 053	.	.		*	*			*	*	176	HR-181
ADT Date and Time = 1 1																		

REMARKS: This cast 9 following ones correspond w/ the CTD files missed bottom bottle trip

No.	DEPTH	Rosette Notes	Hydro Team-PMEL	Strom/Fredrickson	Comments	No.		
No.	DESIRED	SALT	CAF Nut:Btl	O2-Btl.No	Frac Chloro	Prim. Prod Phyto	Micro Zoops	No.
1	150		8					1
2	125		9					2
3	106		10					3
4	75		11					4
5	50		12					5
6	46		13					6
7	40		14					7
8	36		15					8
9	28		16					9
10	20		17					10
11	0							11
12								12

SST= SSSal=

laker

VESSEL: US F&W Tiglax  
 CRUISE ID: US F&W Tiglax  
 PROJECT & LEG: GOA-ERP-LTL Spring 2011  
 STATION NO. or alt. name: HT-181

CONSC CAST #	LATITUDE DEG MIN	LONGITUDE DEG MIN	DATE (UTC) DAY MO YR	TIME (UTC) HR MIN	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
23	56.583	152.015	29 Apr 11	12323	.	.		*	*					116	

ADT Date and Time = 1 1

REMARKS: MAX DEPTH = 105

SBE 9+ \_\_\_\_\_ FLUOR S/N \_\_\_\_\_  
 PRESS SN \_\_\_\_\_ SBE43-Oxy (prime) \_\_\_\_\_  
 PRI TEMP SN \_\_\_\_\_  
 SEC TEMP SN \_\_\_\_\_ Transmissometer \_\_\_\_\_  
 PRI COND SN \_\_\_\_\_ PAR S/N \_\_\_\_\_  
 SEC COND SN \_\_\_\_\_

NIS No.	DEPTH DESIRED	Rosette Notes	Hydro Team-PMEL			Strom/Frederickson				Comments
			SALT	UAT Nut:Bl	O2-Btl.No	Frac Chloro	Prim. Prod	Phyto	Micro Zoops	
1	165		304	18						
2	75			19						
3	56			20						
4	40			21						
5	30			22						
6	20									Did not fire
7	20									
8	10			24						
9	0			25						
10										
11										
12										

SST =

SSSal =

VESSEL: US F&W Tiglax  
 CRUISE ID: US F&W Tiglax  
 PROJECT & LEG: GOA-ERP-TL Spring 2011  
 STATION NO. or alt. name: HX181

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 TYPE *	BOTTOM DEPTH (m)	STA. NAME/ID	
24	56	20	151	37.200	30	Apr	11	03	09	.	.									1500	HX181

ADT Date and Time = 1 1

REMARKS

MAX DEPTH =

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

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

PRI TEMP SN \_\_\_\_\_ Transmissometer \_\_\_\_\_

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

PRI COND SN \_\_\_\_\_

SEC COND SN \_\_\_\_\_

No.	DEPTH DESIRED	Rosette Notes	Hydro Team-PMEL			Strom/Fredrickson			Comments
			SALT	MAF Nut:Bl	O2-Bl.No	Frac Chloro	Prim. Prod Phyro	Micro Zoops	
1	500	Calvin's Nut's		26		26			
2	250			27		27			
3	150			28		28			
4	160			29		-			Didn't close
5	75			30		29			
6	50			199		30			
7	50			208		31			
8	40			201		32			
9	30			202		33			
10	20			203		34			
11	10			204		35			
12	0			205		35			Didn't close

SST = \_\_\_\_\_ SSSal = \_\_\_\_\_



VESSEL: USF&W Tiglax CRUISE ID: US F&W Tiglax PROJECT & LEG: GOA-IERP-LTL Spring 2011 STATION NO. or alt. name:

CONSC CAST #	LATITUDE		LONGITUDE		DATE (UTC)		TIME (UTC)		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
25	56°	35	.450' N	151°	11	.440' W	30	APR	11	05	46	.	.					1500	HX 185

ADT Date and Time = 1 1

REMARKS:

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

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

PRI TEMP SN \_\_\_\_\_

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

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

SEC COND SN \_\_\_\_\_

No.	DEPTH	Rosette Notes	Hydro Team-PMEL	UAF Nuts	Strom/Frederickson	Comments	NIS		
No.	DESIRED		SALT	Nut:Btl	O2-Btl No.	Frac Chloro	Prim. Prod Phyto	Micro Zoops	No.
1	500					35			1
2	250					34			2
3	150					37			3
4	100					38			4
5	75					39			5
6	50					40			6
7	50					-			7
8	40					41			8
9	30					42			9
10	20		305			43			10
11	10					44			11
12	0					45			12

SST= SSSal=

VESSEL: USF&W Tiglax  
 CRUISE ID: US F&W Tiglax  
 PROJECT & LEG: GOA-ERP-LTL Spring 2011  
 STATION NO. or alt. name:

CONSC CAST #	LATITUDE		LONGITUDE		DATE (UTC)	TIME (UTC)	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
2651	49	151	36	930	30	APR 11 09 40	.	.								1500	USF&W 4T 185

ADT Date and Time = 1 1  
 SBE 9+ \_\_\_\_\_ FLUOR S/N \_\_\_\_\_  
 PRESS SN \_\_\_\_\_ SBE43-Oxy (prime) \_\_\_\_\_  
 PRI TEMP SN \_\_\_\_\_ Transmissometer \_\_\_\_\_  
 SEC TEMP SN \_\_\_\_\_ PAR S/N \_\_\_\_\_  
 PRI COND SN \_\_\_\_\_  
 SEC COND SN \_\_\_\_\_

REMARKS: *can put file + cast sheet for  
now make up*

No.	DEPTH DESIRED	Rosette Notes	Hydro Team-PMEL SALT Nut Btl O2-Btl No	Strom/Frederickson VAF NBT Free-Globe	Prim. Prod Phyto	Micro Zoops	Comments	No.
1	500			44				1
2	250			47				2
3	150			48				3
4	100			49				4
5	75			50				5
6	50			51				6
7	50							7
8	40			52				8
9	30			53				9
10	20			54				10
11	10			55				11
12	0			50				12

SST = \_\_\_\_\_ SSSal = \_\_\_\_\_

VESEL	CRUISE ID	PROJECT & LEG	STATION NO. or alt. name
USF&W Tiglax	US F&W Tiglax	GOA-IERP-LTL Spring 2011	

CONSC CAST #	LATITUDE		LONGITUDE		DATE (UTC)		TIME (UTC)		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
27	57'	3.280' N	152'	1.180' W	30	APR	11	1216	.	.								74410	185
ADT Date and Time =										1	1								

SBE 9+	FLUOR S/N	REMARKS	MAX. DEPTH =
PRESS SN	SBE43-Oxy (prime)		
PRI TEMP SN	Transmissometer		
SEC TEMP SN	PAR S/N		
PRI COND SN			
SEC COND SN			

NIS No	DEPTH DESIRED	Rosette Notes	Hydro Team-PMEL			Strom/Frederickson				Comments	NIS No.
			SALT	Nut:Btl	O2-Btl/No	UAT Nuts Frac. Ghiera	Prim. Prod	Plyto	Micro Zoops		
1	73					55					1
2	50					54					2
3	40					57					3
4	30					58					4
5	30										5
6	20					59					6
7	20										7
8	10					66					8
9	D					61					9
10											10
11											11
12											12

SST= SSSal=

VESSEL US F&W Tiglax CRUISE ID US F&W Tiglax PROJECT & LEG GOA-IERP-LTL Spring 2011 STATION NO. or alt. name

CONSC CAST #	LATITUDE		LONGITUDE		DATE (UTC)		TIME (UTC)		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
28	57.295	N	152.470	W	30	Apr	1	1	1600	.	.							8141185	

ADT Date and Time = 1 1

REMARKS: Went back down to catch over shot did not pop

MAX. DEPTH = 74

No.	DEPTH DESIRED	Rosette Notes	Hydro Team-PMEL			Strom/Fredrickson				Comments	No.
			SALT	UAF Nut:Btl	O2-Btl/No	Frac Chloro	Prim. Prod	Phyto	Micro Zoops		
1	74		306	62							1
2	50			63							2
3	40			64							3
4	30										4
5	20										5
6	10			67							6
7	30			65							7
8	20			66							8
9	40			68							9
10											10
11											11
12											12

SST= SSSal=

Bottles did not close

VESSEL: USF&W Tiglax  
 CRUISE ID: US F&W Tiglax  
 PROJECT & LEG: GOA-IERP-LTL Spring 2011  
 STATION NO. or alt. name: HL-189

CONSC CAST #	LATITUDE	LONGITUDE	DATE (UTC)	TIME (UTC)	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
29	57 53.2	152.037	Apr 11	1813	.	.								69	HL-189

ADT Date and Time = 1 1 1813

REMARKS: MAX. DEPTH = 63

SBE 9+ \_\_\_\_\_ FLUOR S/N \_\_\_\_\_  
 PRESS SN \_\_\_\_\_ SBE43-Oxy (prime) \_\_\_\_\_  
 PRI TEMP SN \_\_\_\_\_ Transmissometer \_\_\_\_\_  
 SEC TEMP SN \_\_\_\_\_ PAR S/N \_\_\_\_\_  
 PRI COND SN \_\_\_\_\_  
 SEC COND SN \_\_\_\_\_

NIS No.	DEPTH	Rosette Notes		Hydro Team-PMEL		Strom/Fredrickson				Comments	NIS No.
		UAF NLS	SALT	Nut:BI	O2-Bit:No	Frac Chloro	Prim. Prod	Phyto	Micro Zoops		
1	63			206							1
2	50			207							2
3	40			208							3
4	30			209							4
5	20			210							5
6	10			211							6
7	0			212							7
8											8
9											9
10											10
11											11
12											12

SST = \_\_\_\_\_ SSSal = \_\_\_\_\_

69  
 9 60  
 1547

VESSEL: US F&W Tiglax  
 CRUISE ID: US F&W Tiglax  
 PROJECT & LEG: GOA-IERP-LTL Spring 2011  
 STATION NO. or alt. name: HP-189

CONSC CAST #	DEG	MIN	LONGITUDE	DEG	MIN	DATE (UTC)	TIME (UTC)	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
30	57	36.4	N	151.610	W	30	Apr 11 2143	.	.								67	

ADT Date and Time = 1 1 1 1

REMARKS

SBE 9+ \_\_\_\_\_ FLUOR S/N \_\_\_\_\_  
 PRESS SN \_\_\_\_\_ SBE43-Oxy (prime) \_\_\_\_\_  
 PRI TEMP SN \_\_\_\_\_  
 SEC TEMP SN \_\_\_\_\_ Transmissometer \_\_\_\_\_  
 PAR COND SN \_\_\_\_\_ PAR S/N \_\_\_\_\_  
 SEC COND SN \_\_\_\_\_

NIS No.	DEPTH DESIRED	Rosette Notes			Hydro Team-PMEL			Strom/Frederickson				Comments	NIS No.
		UAF N/A	SALT	Nut.Btl	O2-Btl.No	Frac Chloro	Prim. Prod	Phyto	Micro Zoops				
1	63												1
2	50												2
3	40												3
4	30												4
5	20												5
6	10												6
7	0												7
8													8
9													9
10													10
11													11
12													12

SST = \_\_\_\_\_ SSSal = \_\_\_\_\_

130008  
 67  
 58  
 11.0

VESSEL: USF&W Tiglax  
 CRUISE ID: US F&W Tiglax  
 PROJECT & LEG: GOA-IERP-LTL Spring 2011  
 STATION NO. or alt. name: HT-189

CONSC CAST #	LATITUDE		LONGITUDE		DATE (UTC)		TIME (UTC)		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)	
3157	4	52	151	35	01	MAY	11	00	04	.	.							420	

ADT Date and Time = 1 1  
 SBE 9+1  
 PRESS SN  
 PRI TEMP SN  
 SEC TEMP SN  
 PRI COND SN  
 SEC COND SN  
 FLUOR S/N  
 SBE43-Oxy (prime)  
 Transmissometer  
 PAR S/N  
 REMARKS  
 MAX. DEPTH = 416

NIS No.	DEPTH DESIRED	Rosette Notes		Hydro Team-PMEL			Strom/Fredrickson			Comments	NIS No.
		UAF NUTS	SALT	Nut:Bl	O2-Btl:No	Frac Chloro	Prim. Prod	Phyto	Micro Zoops		
1	416										1
2	250										2
3	200										3
4	150										4
5	100										5
6	75										6
7	50										7
8	40										8
9	30										9
10	20										10
11	10										11
12	0										12

SST =  
 SSSal =  
 00x 420  
 00x 200  
 TIME 0044 GNR

VESSEL: USF&W Tiglax  
 CRUISE ID: US F&W Tiglax  
 PROJECT & LEG: GOA-IERP-LTL Spring 2011  
 STATION NO. or alt. name: HY-189

CONSC CAST #	LATITUDE	LONGITUDE	DATE (UTC)	TIME (UTC)	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
3256	50° 46' N	150° 46' W	01 MAY	11 03 49	.	.		*	*			*	*	1500	

ADT Date and Time = 1 1  
 SBE 9+ \_\_\_\_\_ FLUOR S/N \_\_\_\_\_  
 PRESS SN \_\_\_\_\_ SBE43-Oxy (prime) \_\_\_\_\_  
 PRI TEMP SN \_\_\_\_\_ Transmissometer \_\_\_\_\_  
 SEC TEMP SN \_\_\_\_\_ PAR S/N \_\_\_\_\_  
 SEC COND SN \_\_\_\_\_  
 REMARKS \_\_\_\_\_  
 MAX. DEPTH = \_\_\_\_\_

NIS No.	DEPTH DESIRED	Rosette Notes	Hydro Team-FMEL			Strom/Frederickson				Comments	NIS No.
			SALT	Nut. Btl	O2-Btl/No	WAT Frac. Glass	Prim. Prod	Phyto	Micro Zoops		
1	50D		307	214		95					1
2	250			215		76					2
3	150			216		67					3
4	100			217		98					4
5	75			218		99					5
6	50			219		100					6
7	50			220							7
8	40			221		101					8
9	30			222		102					9
10	20			223		103					10
11	10			224		104					11
12	0			225		105					12

SST = \_\_\_\_\_  
 SSSal = \_\_\_\_\_



VESSEL USF&W Tiglax CRUISE ID US F&W Tiglax PROJECT & LEG GOA-IERP-LTL Spring 2011 STATION NO. or alt. name HK-193

CONSC CAST #	DEG	MIN	LONGITUDE	DEG	MIN	DATE (UTC)	TIME (UTC)	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	
33	57		4.250' N	150		21.590' W	1 May	11	06	30	.	.	.	.	.	.	.	.	2000DHX	193

ADT Date and Time = 1 1 11

REMARKS

MAX. DEPTH = 500

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

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

PRI TEMP SN \_\_\_\_\_ Transmissometer \_\_\_\_\_

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

SEC COND SN \_\_\_\_\_

Nis	DEPTH	Rosette Notes	Hydro Team-PMEL	Strom/Frederickson	Comments	Nis					
No.	DESIGD	SALT	Nut.Btl	O2-Btl.No	VACUUM F-Reference	Prim. Prod	Phyto	Micro Zoops			
1	500				10u						1
2	250				107						2
3	150				108						3
4	<del>100</del>				<del>109</del>					did not close	4
5	75				110					leaked	5
6	50				109						6
7	50										7
8	40				110						8
9	30				111						9
10	20				112						10
11	10				113						11
12	0				114					Did not close	12

SST = \_\_\_\_\_ SSSal = \_\_\_\_\_

VESSEL: USF&W Tiglax  
 CRUISE ID: US F&W Tiglax  
 PROJECT & LEG: GOA-IERP-LTL Spring 2011  
 STATION NO. or alt. name: HT-193

CONSC CAST #	LATITUDE		LONGITUDE		DATE (UTC)	TIME (UTC)	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
34	52	18.790	N	150.45.510	W	1 May	11:10	27	.	.	.	.	.	.	.	189	HT 193

ADT Date and Time = 1 1  
 SBE 9+  
 PRESS SN  
 PRI TEMP SN  
 SEC TEMP SN  
 PRI COND SN  
 SEC COND SN  
 FLUOR S/N  
 SBE43-Oxy (prime)  
 Transmissometer  
 PAR S/N  
 REMARKS  
 MAX. DEPTH =

No.	DEPTH DESIRED	Rosette Notes	Hydro Team-PMEL			Storm/Frederickson				Comments	No.
			SALT	Nut.Btl	O2-Btl/No	Chl. a	WTG	Prim. Prod	Phyto		
1	178					115					1
2	150					116					2
3	100					117					3
4	<del>95</del>					118					4
5	<del>50</del>					117					5
6	50					118					6
7	40					119					7
8	40					120					8
9	30					120					9
10	20					121					10
11	10					122					11
12	0					123					12

SST =  
 SSSal =



VESSEL: US F&W Tiglax  
 CRUISE ID: US F&W Tiglax  
 PROJECT & LEG: GOA-IERP-LTL Spring 2011  
 STATION NO. or alt. name: HL-193

CONSC CAST #	DEG	MIN	LONGITUDE	DEG	MIN	DATE (UTC)	TIME (UTC)	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
36	57	772	N	151	611	11 May	1632	.	.		*	*					46	HL 193

ADT Date and Time = 1 1 1 1  
 SBE 9+ FLUOR S/N \_\_\_\_\_  
 PRESS SN \_\_\_\_\_ SBE43-Oxy (prime) \_\_\_\_\_  
 PRI TEMP SN \_\_\_\_\_  
 SEC TEMP SN \_\_\_\_\_ Transmissometer \_\_\_\_\_  
 PRI COND SN \_\_\_\_\_ PAR S/N \_\_\_\_\_  
 SEC COND SN \_\_\_\_\_

NIS No.	DEPTH DESIRED	Rosette Notes	Hydro Team-PMEL		Strom/Fredrickson			Comments	NIS No.
			SALT	CAF Nut.Btl	O2-Btl.No	Frac Chloro	Prim. Prod Phyto		
1	45			130					1
2	30			131					2
3	20			132					3
4	10			133					4
5	10			-					5
6	0			134					6
7									7
8									8
9									9
10									10
11									11
12									12

SST = \_\_\_\_\_  
 SSSal = \_\_\_\_\_

47  
 41  
 1552

VESSEL: US F&W Tiglax  
 CRUISE ID: US F&W Tiglax  
 PROJECT & LEG: GOA-ERP-LTL Spring 2011  
 STATION NO. or alt. name:

CONSC CAST #	LATITUDE		LONGITUDE		DATE (UTC)			TIME (UTC)			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
3	858	47667	N	152.009	W	2	MAY	11	11												102	HD197

ADT Date and Time = 1 1

REMARKS

MAX. DEPTH =

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

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

PRI TEMP SN \_\_\_\_\_

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

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

SEC COND SN \_\_\_\_\_

NIS No.	DEPTH DESIRED	Rosette Notes	Hydro Team-PMEL			Strom/Fredrickson			Comments										NIS No.			
			SALT	Nut. Btl	O2-Btl.No	WT. Nut. Btl	WT. O2 Btl	Prim. Prod	Phyto	Micro Zoops												
1	90			226			146															1
2	76			227			147															2
3	50			228	182		148															3
4	40			229			149															4
5	40			30																		5
6	30			31			157															6
7	30																					7
8	20						151															8
9	10						152															9
10	0						153															10
11																						11
12																						12

SST = \_\_\_\_\_ SSSal = \_\_\_\_\_



VESSEL: US F&W Tiglax  
 CRUISE ID: US F&W Tiglax  
 PROJECT & LEG: GOA-IERP-LTL Spring 2011  
 STATION NO. or alt. name:

CONSC CAST #	LATITUDE		LONGITUDE		DATE (UTC)		TIME (UTC)		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	
51	58	45	86	7	157	18	8	3	MAY	11	18	30								174	AD205

ADT Date and Time = 1 1 1 1  
 SBE 9+  
 PRESS SN \_\_\_\_\_  
 PRI TEMP SN \_\_\_\_\_  
 SEC TEMP SN \_\_\_\_\_  
 PRI COND SN \_\_\_\_\_  
 SEC COND SN \_\_\_\_\_  
 FLUOR S/N \_\_\_\_\_  
 SBE43-Oxy (prime) \_\_\_\_\_  
 Transmissometer \_\_\_\_\_  
 PAR S/N \_\_\_\_\_  
 REMARKS: SURFACE DONE BY PAIL.  
 MAX DEPTH =

NIS No.	DEPTH DESIRED	Rosette Notes	Hydro Team-PWEL			Strom/ Frederickson			Comments
			SALT	Nut. Bri	O2-Btl.No	UAE NUTS -Frac Chloro	Prim. Prod	Phyto	
1	170 ✓			244		256			
2	150 ✓			245		257			
3	125 ✓			246		258			
4	100 ✓							mishire	
5	100 ✓			247		259			
6	75 ✓							mishire	
7	75 ✓			248		260			
8	50 ✓			249		261			
9	40 ✓			250		262			
10	30 ✓			251		263			
11	20 ✓			252		264			
12	10 ✓			253		265			

SST = 0  
 SSSalt = 252  
 266  
 Surface sampled w/ bucket  
 170 4:50

VESSEL: USF&W Tiglax      CRUISE ID: US F&W Tiglax      PROJECT & LEG: GOA-ERP-LTL Spring 2011      STATION NO. or alt. name: Bongo

CONSC CAST #	LATITUDE		LONGITUDE		DATE (UTC)			TIME (UTC)			DRY BULB (°C)	WET BULB (°C)	PRESSURE (mb)	SEA STATE	VISIBILITY	WIND DIRN. (deg)	WIN D SPD. (kts)	CLOUD (amt)	WEATHER	BOTTO M DEPTH (m)	STA. NAME/ID
0 < 7	5	78015	N	149.091	W	04	MAY	1	10	28	19	.	.	.	.	.	.	.	.	RFD	41 x 205

ADT Date and Time = 1 1 1 1 1 1  
 REMARKS: MAX. DEPTH =

SBE 9+ 09P14280      FLUOR S/N 2460  
 PRESS SN 0438      SBE43-Oxy (prime) 431876  
 PRI TEMP SN 1771  
 SEC TEMP SN 1772      Transmissometer  
 PRI COND SN 2251      PAR S/N 4497  
 SEC COND SN 2272

No.	DEPTH	Rosette Notes	Hydro Team-PMEL	Strom/Frederickson	Comments	No.	
No.	DESIRED	SALT	Nut.Btl	O2-Btl.No	VH Chloro Prim. Prcd Pnyto	Micro Zoops	No.
1	500		252		304		1
2	300		256		305		2
3	200		257		306		3
4	150		258		307		4
5	100		259		308		5
6	75		260		309		6
7	50		261		310		7
8	40		262		311		8
9	30		263		312	X	9
10	20		264		313	X	10
11	10		265		314	X	11
12	0		266		315	X	12

SST=

SSSal=



VESSEL US F&W Tiglax CRUISE ID US F&W Tiglax PROJECT & LEG GOA-IERP-LTL Spring 2011 STATION NO. or alt. name Bongo 47

CONSC CAST #	LATITUDE	LONGITUDE	DATE (UTC)	TIME (UTC)	DRY BULB (°C)	WET BULB (°C)	PRESSURE (mb)	SEA STATE	VISIBILITY	WIND DIRN. (deg)	WIND SPD. (kts)	CLOUD (amt)	TYPE	WEATHER	BOTTO M DEPTH STA. NAME/ID
69	58.29984 N	148.1832 W	05 MAY 11	2159	.	.		*	*				*	*	R77 11x213
ADT Date and Time = 11 11															

REMARKS  
 SBE 9+ 09P14280 FLUOR S/N 2460  
 PRESS SN 0438 SBE43-Oxy (prime) 431876  
 PRI TEMP SN 1771  
 SEC TEMP SN 1772 Transmissometer  
 PRI COND SN 2251 PAR S/N 4497  
 SEC COND SN 2272

No	DEPTH DESIRED	Rosette Notes	Hydro Team-PMEL			Strom/Frederickson			Comments							
			SALT	Nut.Bil	O2-Bil.No	UAF No's	Prim.	Prg	Phyto	Micro	Zoops					
1	500		275		426											1
2	250		276		427											2
3	150		277	088	428											3
4	105		278		429											4
5	100		279		430											5
6	75		280		431											6
7	50		281		432											7
8	40		282		433											8
9	00		283		434											9
10	26		284		435											10
11	16		285		436											11
12	0		286		437											12

SST= SSSal=

MAX. DEPTH =