

VESSEL		PROJECT & LEG				STATION DESIGNATION						
NOAA RV MILLER FREEMAN		MF03-12										
CONSEC CAST #	LATITUDE	LONGITUDE	DATE	TIME (GMT)	WET BULB	SEA STATE	WIND DIRN	WIND SPD.	CLOUD (amt)	WEATHER	BOTTOM DEPTH	STA. NAME/ID
DEG	MIN	DEG	DAY	HR	(°C)		(deg)	(m/s)			(m)	
005573	33.00 N	15452.06 W	25 SEP 03	0744	7.7		271	218	8		2230	F0X57
SBE 9Plus		TIMES		JD/TIME		DATA LOCATION						
91220A						File Name/Header						
PRESS SN		DATA ON				Tape/Diskette ID						
915						CTD 005						
PRI COND		START DOWN										
710												
SEC COND		AT DEPTH										
530												
SEC TEMP		AT SURFACE				MAX. DEPTH = m						
884						Cleaned air bleed valve						
		<input checked="" type="checkbox"/> WETStar S/N 868P		<input checked="" type="checkbox"/> PAR S/N 4242								
		CTD CONVERTED MONITOR VALUES				SAMPLE BOTTLE DATA			SAMPLE BOTTLE NUMBER			
POS.	TRIP DEPTH	PRESSURE	PRI. TEMP.	SEC. TEMP.	PRI. SALINITY	SEC. SALINITY	SALINITY	SAL.	NUTR.	CHL.	WHIT'S NUTR.	
1	5 m from bottom	218						05				
2	200 m											
3	150 m											
4	100 m											
5	75 m											
6	50 m											
7	40 m											
8	30 m											
9	20 m											
10	10 m											
11	0 m											
12												

VESSEL		PROJECT & LEG				STATION DESIGNATION																			
NOAA RV MILLER FREEMAN		MF03-12																							
CONSEC CAST #	LATITUDE		LONGITUDE		DATE JD= 268		TIME (GMT)	DRY BULB (°C)	WET BULB (°C)	PRESSURE (mb)	SEA STATE	VISIBILITY	WIND DIRN (deg)	WIND SPD. (m/s)	CLOUD (amt)	TYPE	WEATHER	BOTTOM DEPTH (m)	STA. NAME/ID						
	DEG	MIN	DEG	MIN	DAY	MO														YR	HR	MIN			
006	57	36	10	N	15	50	1	43	W	25	S	E	0	3	08	43	7	7	4	1	232	FO	X58		
SBE 9Plus	91220A		JD/TIME		TAPES/DISKETTE ID		DATA LOCATION		REMARKS																
PRESS SN	80020		Tape/Diskette ID		File Name/Header		S50006																		
PRI COND	915		START DOWN																						
PRI TEMP	710		AT DEPTH																						
SEC COND	530		AT SURFACE																						
SEC TEMP	884		<input checked="" type="checkbox"/> WETStar S/N 868P <input checked="" type="checkbox"/> PAR S/N 4242 <input type="checkbox"/> Cleaned air bleed valve																						
POS.	TRIP DEPTH	PRESSURE	CTD CONVERTED MONITOR VALUES				SAMPLE BOTTLE DATA				SAMPLE BOTTLE NUMBER														
			PRI. TEMP.	SEC. TEMP.	PRI. SALINITY	SEC. SALINITY	SALINITY	SAL.	NUTR.	CHL.	WHIT'S NUTR.														
1	5 m from bottom	332																							
2	200 m																								
3	150 m																								
4	100 m																								
5	75 m																								
6	50 m																								
7	40 m																								
8	30 m																								
9	20 m																								
10	10 m																								
11	0 m																								
12																									

VESSEL		PROJECT & LEG				STATION DESIGNATION										
NOAA RV MILLER FREEMAN		MF03-12														
CONSEC CAST #	LATITUDE		LONGITUDE		DATE JD=		TIME (GMT)		WET BULB	WIND DIRN.	WIND SPD.	CLOUD (amt)	WEATHER	BOTTOM DEPTH	STA. NAME/ID	
	DEG	MIN	DEG	MIN	DAY	MO	YR	HR								MIN
008	57	41.24	N	155	11.40	W	25	SEP	03	10	35	7	4	4	295	F0X60
SBE 9Plus		91220A		JD/TIME		TIMES		DATA LOCATION		REMARKS						
PRESS SN		80020				DATA ON		Tape/Diskette ID		File Name/Header						
PRI COND		915				START DOWN		S10008								
PRI TEMP		710				AT DEPTH										
SEC COND		530				AT SURFACE				MAX. DEPTH = m						
SEC TEMP		884				<input checked="" type="checkbox"/> WETStar S/N 868P <input type="checkbox"/> PAR S/N 4242		<input type="checkbox"/> Cleaned air bleed valve								
POS.	TRIP DEPTH	CTD CONVERTED MONITOR VALUES										SAMPLE BOTTLE DATA			WHIT'S NUTR.	
		PRESSURE	PRI. TEMP.	SEC. TEMP.	PRI. SALINITY	SEC. SALINITY	SALINITY	SAL.	NUTR.	CHL.						
1	5m from bottom	291										16				
2	200 m															
3	150 m															
4	100 m															
5	75 m															
6	50 m															
7	40 m															
8	30 m															
9	20 m															
10	10 m															
11	0 m															
12																

VESSEL		PROJECT & LEG				STATION DESIGNATION											
NOAA RV MILLER FREEMAN		MF03-12				WIND DIRN.		WIND SPD.		CLOUD (amt)		WEATHER		BOTTOM DEPTH		STA. NAME/ID	
CONSEC CAST #		LONGITUDE		DATE		TIME (GMT)		WET BULB		SEA STATE		PRESSURE		VISIBILITY		WIND DIRN.	
DEG MIN		DEG MIN		DAY MO YR		HR MIN		WET BULB (°C)		PRESSURE (mb)		PRESSURE (mb)		WIND DIRN. (deg)		WIND SPD. (m/s)	
009 57 42.35 N		155 16.26 W		25 SEP 03		11 22		4.4		4.4		4.4		4.4		195 F 0 x 61	
SBE 9P/us		TIMES		JD/TIME		DATA LOCATION		Tape/Diskette ID		File Name/Header		REMARKS		MAX. DEPTH =		m	
91220A		80020		915		710		530		884		CTD 009		CTD 009			
PRESS SN		START DOWN		AT DEPTH		AT SURFACE		WETStar S/N 868P		PAR S/N 4242		Cleaned air bleed valve					
915		710		530		884		<input checked="" type="checkbox"/>		<input checked="" type="checkbox"/>		<input type="checkbox"/>					
SEC TEMP		PRESSURE		PRI. TEMP.		SEC. TEMP.		PRI. SALINITY		SEC. SALINITY		SALINITY		SAL		NUTR.	
884		192												11			
POS.		TRIP DEPTH		CTD CONVERTED MONITOR VALUES		SAMPLE BOTTLE DATA		SAMPLE BOTTLE NUMBER		WHIT'S NUTR.							
1		5 m from bottom		PRESSURE		PRI. SALINITY		SEC. SALINITY		SALINITY		SAL		NUTR.		CHL.	
2		200 m															
3		150 m															
4		100 m															
5		75 m															
6		50 m															
7		40 m															
8		30 m															
9		20 m															
10		10 m															
11		0 m															
12																	

VESSEL		PROJECT & LEG				STATION DESIGNATION											
NOAA RV MILLER FREEMAN		MF03-12				WIND DIRN.		WIND SPD.		CLOUD (amt)		WEATHER		BOTTOM DEPTH		STA. NAME/ID	
CONSEC CAST #		LATITUDE		LONGITUDE		DATE JD=		TIME (GMT)		WET BULB		PRESSURE		SEA STATE		VISIBILITY	
0105729.07 N		15448.44 W		25 SEP 03		1714 8.7		6.39838		154104		1202		FOX62			
SBE 9Plus		TIMES		JD/TIME		DATA LOCATION		Tape/Diskette ID		File Name/Header		REMARKS					
PRESS SN		80020								CTD 10							
PRI COND		915															
PRI TEMP		710															
SEC COND		530															
SEC TEMP		884															
		<input checked="" type="checkbox"/> WETStar S/N 868P		<input checked="" type="checkbox"/> PAR S/N 4242		<input type="checkbox"/> Cleaned air bleed valve											
POS.		TRIP DEPTH		PRESSURE		CTD CONVERTED MONITOR VALUES		SAMPLE BOTTLE DATA		SAMPLE BOTTLE NUMBER		WHIT'S					
1		5 m from bottom		195		PRI. TEMP. SEC. TEMP.		PRI. SALINITY SEC. SALINITY		SAL. NUTR.		CHL. NUTR.					
2		200 m															
3		150 m															
4		100 m															
5		75 m															
6		50 m															
7		40 m															
8		30 m															
9		20 m															
10		10 m															
11		0 m															
12																	

VESSEL NOAA RV MILLER FREEMAN		PROJECT & LEG MF03-12				STATION DESIGNATION 03-SSP-1B																	
CONSEC CAST #		LONGITUDE		DATE JD=		TIME (GMT)		WIND DIRN.		WIND SPD.		CLOUD (amt)		WEATHER		BOTTOM DEPTH		STA. NAME/ID					
012-5741.06 N		15513.11 W		25 SEP 03		231910.7		9.8		043		82.0		12.9		1		297					
SBE 9Plus		TIMES		JD/TIME		DATA LOCATION		Tape/Diskette ID		File Name/Header		REMARKS											
PRESS SN		80020				CTD012																	
PRI COND		915																					
PRI TEMP		710																					
SEC COND		530																					
SEC TEMP		884																					
		<input checked="" type="checkbox"/> WETStar S/N 868P		<input checked="" type="checkbox"/> PAR S/N 4242		Cleaned air bleed valve																	
POS.		TRIP DEPTH		PRESSURE		PRI. TEMP.		SEC. TEMP.		PRI. SALINITY		SEC. SALINITY		SALINITY		SAL.		NUTR.		CHL.		WHIT'S NUTR.	
1		5 m from bottom														38							
2		200 m																					
3		150 m																					
4		100 m																					
5		75 m																					
6		50 m																					
7		40 m																					
8		30 m																					
9		20 m																					
10		10 m																					
11		0 m																					
12																							

VESSEL		PROJECT & LEG				STATION DESIGNATION													
NOAA RV MILLER FREEMAN		MF03-12																	
CONSEC CAST #	LATITUDE		LONGITUDE		DATE		TIME (GMT)	DRY BULB (°C)	WET BULB (°C)	PRESSURE (mb)	SEA STATE	VISIBILITY	WIND DIRN. (deg)	WIND SPD. (m/s)	CLOUD (amt)	TYPE	WEATHER	BOTTOM DEPTH (m)	STA. NAME/ID
	DEG	MIN	DEG	MIN	DAY	MO													
013	56	39.83	N	163	51.94	W	27	SEP	03	20	21	11	37	63	187			179	
SBE 9Plus	91220A		TIMES		JD/TIME		DATA LOCATION		Tape/Diskette ID		File Name/Header		REMARKS						
PRESS SN	80020		DATA ON				CTD013				S.E. Corner of		BS-2 Box						
PRI COND	915		START DOWN																
PRI TEMP	710		AT DEPTH																
SEC COND	530		AT SURFACE																
SEC TEMP	884		WETStar SN 868P		PAR SN 4242		Cleaned air bleed valve												
POS.	TRIP DEPTH	PRESSURE	CTD CONVERTED MONITOR VALUES				SAMPLE BOTTLE DATA				SAMPLE BOTTLE NUMBER								
			PRI. TEMP.	SEC. TEMP.	PRI. SALINITY	SEC. SALINITY	SALINITY	SAL.	NUTR.	CHL.	WHIT'S NUTR.								
1	5 m from bottom	71.43																	
2	60																		
3	40																		
4	20																		
5	0																		
6																			
7																			
8																			
9	20 m																		
10	10 m																		
11	0 m																		
12																			

VESSEL NOAA RV MILLER FREEMAN		PROJECT & LEG MF03-12				STATION DESIGNATION																	
CONSEC CAST #		LATITUDE		LONGITUDE		DATE		TIME (GMT)		WET BULB		WIND DIRN		WIND SPD		CLOUD (amt)		WEATHER		BOTTOM DEPTH		STA NAME/ID	
0155651.62N		16402.84W		28 SEP 03		051710.4		9.5064553		308		576											
SBE 9Plus		91220A		TIMES		JD/TIME		DATA LOCATION		REMARKS													
PRESS SN		80020		DATA ON		Tape/Diskette ID		File Name/Header															
PRI COND		915		START DOWN																			
PRI TEMP		710		AT DEPTH																			
SEC COND		530		AT SURFACE																			
SEC TEMP		884		WETStar S/N 868P		PAR S/N 4242		Cleaned air bleed valve															
POS.		TRIP DEPTH		PRESSURE		PRI. TEMP.		SEC. TEMP.		PRI. SALINITY		SEC. SALINITY		SALINITY		SAL.		NUTR.		CHL.		WHIT'S NUTR.	
1		5 m from bottom		67												18							
2		13.5																				12	
3		150 m																					
4		100 m																					
5		75 m																					
6		50 m																					
7		40 m																					
8		30 m																					
9		20 m																					
10		10 m																					
11		0 m																					
12																							

VESSEL NOAA R/V MILLER FREEMAN		PROJECT & LEG MF03-12				STATION DESIGNATION													
CONSEC CAST #		LONGITUDE		DATE JD=		TIME (GMT)		WIND DIRN.		WIND SPD.									
017	57	00	85	N	104	12	76	W	28	S	E	0	3	08	53	10	49	318	568
LATITUDE		DEG		MIN		DEG		MIN		HR		MIN		SEC		DIRN.		SPD.	
SBE 9Plus		91220A		TIMES		JD/TIME		DATA LOCATION		Tape/Diskette ID		File Name/Header		REMARKS		Tide Mark For SURGE		Bottom was taken at 100	
PRESS SN		80020		DATA ON		START DOWN		AT DEPTH		AT SURFACE		WETSlar S/N 868P		PAR S/N 4242		Cleaned air bleed valve		MAX. DEPTH = m	
PRI COND		915		START DOWN		AT DEPTH		AT SURFACE		WETSlar S/N 868P		PAR S/N 4242		Cleaned air bleed valve		MAX. DEPTH = m		3 minutes after water sample taken	
PRI TEMP		710		START DOWN		AT DEPTH		AT SURFACE		WETSlar S/N 868P		PAR S/N 4242		Cleaned air bleed valve		MAX. DEPTH = m			
SEC COND		530		START DOWN		AT DEPTH		AT SURFACE		WETSlar S/N 868P		PAR S/N 4242		Cleaned air bleed valve		MAX. DEPTH = m			
SEC TEMP		884		START DOWN		AT SURFACE		AT SURFACE		WETSlar S/N 868P		PAR S/N 4242		Cleaned air bleed valve		MAX. DEPTH = m			

POS.	TRIP DEPTH	PRESSURE	CTD CONVERTED MONITOR VALUES				SAMPLE BOTTLE DATA			WHIT'S NUTR.		
			PRI. TEMP.	SEC. TEMP.	PRI. SALINITY	SEC. SALINITY	SALINITY	SAL.	NUTR.		CHL.	
1	60 5-m-feet-bottom	64								58		20
2	40											19
3	20											18
4	0	*										17
5	75 m											
6	50 m											
7	40 m											
8	30 m											
9	20 m											
10	10 m											
11	0 m											
12												

* Mark For Surface Bottle under ctd file 017A

VESSEL		PROJECT & LEG				STATION DESIGNATION													
NOAA R/V MILLER FREEMAN		MF03-12																	
CONSEC CAST #	LATITUDE		LONGITUDE		DATE JD=		TIME (GMT)		WET BULB	WIND DIRN	WIND SPD.	CLOUD (amt)	BOTTOM DEPTH	STA. NAME/ID					
	DEG	MIN	DEG	MIN	DAY	MO	YR	HR							MIN	(°C)	(deg)	(m/s)	(m)
018	56	45.9	164	20.1	28	SEP	03	10	49	10.2	9.0	99	45	43	29	8	5	7	3
SBE 9plus		91220A		TIMES		JD/TIME		DATA LOCATION		REMARKS									
PRESS SN		80020		DATA ON				Tape/Diskette ID		File Name/Header									
PRI COND		915		START DOWN															
PRI TEMP		710		AT DEPTH															
SEC COND		530		AT SURFACE								MAX. DEPTH = m							
SEC TEMP		884		<input checked="" type="checkbox"/> WETSiar S/N 868P		<input checked="" type="checkbox"/> PAR S/N 4242		<input type="checkbox"/> Cleaned air bleed valve											
POS.	TRIP DEPTH	CTD CONVERTED MONITOR VALUES				SAMPLE BOTTLE DATA				SAMPLE BOTTLE NUMBER									
		PRESSURE	PRI. TEMP.	SEC. TEMP.	PRI. SALINITY	SEC. SALINITY	SALINITY	SAL.	NUTR.	CHL.	WHIT'S NUTR.								
1	60 5-m-from-bottom	71						10				21							
2	40 200-m											23							
3	20 150-m											22							
4	0 100-m											21							
5	75 m																		
6	50 m																		
7	40 m																		
8	30 m																		
9	20 m																		
10	10 m																		
11	0 m																		
12																			

VESSEL		PROJECT & LEG				STATION DESIGNATION											
NOAA RV MILLER FREEMAN		MF03-12															
CONSEC CAST #	LATITUDE		LONGITUDE		DATE JD=		TIME (GMT)		WET BULB (°C)	DRY BULB (°C)	WIND DIRN (deg)	WIND SPD. (m/s)	CLOUD (amt)	TYPE	WEATHER	BOTTOM DEPTH (m)	STA. NAME/ID
	DEG	MIN	DEG	MIN	DAY	MO	YR	HR									
019	57	50.79	N	168	51	87	W	29	S	EP	03	01	43	15	28	2	73
<p>SBE 9Plus 91220A TIMES JD/TIME DATA LOCATION</p> <p>PRESS SN 80020 DATA ON File Name/Header</p> <p>PRI COND 915 START DOWN CT0019</p> <p>PRI TEMP 710 AT DEPTH</p> <p>SEC COND 530 AT SURFACE</p> <p>SEC TEMP 884</p> <p>WETStar S/N 868P <input checked="" type="checkbox"/> PAR S/N 4242 <input type="checkbox"/> Cleaned air bleed valve</p>																	
POS.	TRIP DEPTH	PRESSURE	CTD CONVERTED MONITOR VALUES				SAMPLE BOTTLE DATA			SAMPLE BOTTLE NUMBER							
			PRI. TEMP.	SEC. TEMP.	PRI. SALINITY	SEC. SALINITY	SALINITY	SAL.	NUTR.	CHL.	WHIT'S NUTR.						
1	60 6-m-from-bottom											55		✓		29	
2	50	broken bottle															
3	40	broken bottle															
4	30															28	
5	20														✓	27	
6	10														✓	26	
7	0														✓	25	
8	30 m																
9	20 m																
10	10 m																
11	0 m																
12																	

NOTE: RAI SAL TOO LOW FOR LAST 10M

VESSEL		PROJECT & LEG				STATION DESIGNATION																	
NOAA RV MILLER FREEMAN		MF03-12																					
CONSEC CAST #	LATITUDE		LONGITUDE		DATE JD=		TIME (GMT)		WET BULB (°C)	DRY BULB (°C)	WIND DIRN. (deg)	WIND SPD. (m/s)	CLD (amt)	TYPE	WEATHER	BOTTOM DEPTH (m)	STA. NAME/ID						
	DEG	MIN	DEG	MIN	DAY	MO	YR	HR										MIN	SEC	SEA STATE	PRESSURE (mb)	VISIBILITY	
22	52	25.37	N	171	39.35	W	02	SEP	03	06	35	8.2	6.4	035	8	00	0	1	494				
SBE 9Plus		91220A		JD/TIME		TIMES		DATA LOCATION		Tape/Diskette ID		File Name/Header		REMARKS									
PRESS SN		80020				DATA ON								03AMP-2A									
PRI COND		915				START DOWN								PAR TO CAST 050022									
PRI TEMP		710				AT DEPTH								COND CELL 530 WAS									
SEC COND		-666		304		AT SURFACE								REPLACED BY 304									
SEC TEMP		884				WETStar S/N 868P		PAR S/N 4242		Cleaned air bleed valve						MAX DEPTH =		m					
POS.	TRIP DEPTH	CTD CONVERTED MONITOR VALUES				SAMPLE BOTTLE DATA				SAMPLE BOTTLE NUMBER													
		PRESSURE	PRI. TEMP.	SEC. TEMP.	PRI. SALINITY	SEC. SALINITY	SALINITY	SAL.	NUTR.	CHL.	WHIT'S NUTR.												
1	5 m from bottom																						
2	200 m																						
3	150 m																						
4	100 m																						
5	75 m																						
6	50 m																						
7	40 m																						
8	30 m																						
9	20 m																						
10	10 m																						
11	0 m																						
12																							

CTD DOC T. 0.00 N
 NO SENSORS OK
 NO DATA FROM CTD
 ATTACHED

We couldn't get the right coils attached, so primary salinity did not display correctly

MF030C4.C6N

VESSEL NOAA R/V MILLER FREEMAN		PROJECT & LEG MF03-12				STATION DESIGNATION															
CONSEC CAST #		LATITUDE		LONGITUDE		DATE		TIME (GMT)		WIND DIRN		WIND SPD		GLOB (amt)		WEATHER		BOTTOM DEPTH		STA. NAME/ID	
02352		24.35 N		171.54 W		28 SEP 03		0801		8.3		6.8		032		105		1		295	
SBE 9Plus		91220A		TIMES		JD/TIME		DATA LOCATION		Tape/Diskette ID		File Name/Header		REMARKS		03AMP-3A					
PRESS SN		80020		DATA ON																	
PRI COND		915		START DOWN																	
PRI TEMP		710		AT DEPTH																	
SEC COND		-660		304		AT SURFACE															
SEC TEMP		884		WETSlar S/N 868P		PAR S/N 4242		Cleaned air bleed valve													
POS.		TRIP DEPTH		PRESSURE		PRI. TEMP.		SEC. TEMP.		PRI. SALINITY		SEC. SALINITY		SALINITY		SAL.		NUTR.		CHL.	
1		5 m from bottom														8					
2		200 m																			
3		150 m																			
4		100 m																			
5		75 m																			
6		50 m																			
7		40 m																			
8		30 m																			
9		20 m																			
10		10 m																			
11		0 m																			
12																					

