

VESSEL		PROJECT & LEG		COD I.D.		STATION DESIGNATION																	
NOAA Ship MILLER FREEMAN		MF-02-09																					
CONSECUTIVE	CAST #	LATITUDE		LONGITUDE		DATE		TIME		DRY BULB °C	WET BULB °C	PRESSURE mb	SEA STATE	VISIBILITY	WIND DIRECTION deg	WIND SPEED knts	CLOUD (amt)	TYPE	WEATHER	BOTTOM DEPTH	STATION NAME / ID		
		DEG	MIN	DEG	MIN	DAY	MO	YR	HR													MIN	
	5125	059	493	152	26	17	09	02	40	12.7	12.0	022	02	08	50	8	131			137.2	CT057		
SBE 9+		91220		TIMES		DATA LOCATION		DATA ON		Tape/Diskette ID		File Name/Header		REMARKS									
PRESS SN		80020		710		START DOWN								<input checked="" type="checkbox"/> Cleaned air bleed valve MAX. DEPTH (m) <u>133</u>									
PRI TEMP SN		884		AT DEPTH										<input type="checkbox"/> ChLAM S/N=									
SEC TEMP SN		915		AT SURFACE										<input type="checkbox"/> FLUOR S/N=									
PRI COND SN		530		PAR S/N=										<input type="checkbox"/> CTD CONVERTED MONITOR VALUES									
SEC COND SN														SAMPLE BOTTLE DATA SAMPLE BOTTLE NUMBER <u>24</u>									
POSITION	TRIP DEPTH	PRESSURE	PRIMARY TEMP	SECONDARY TEMP	SALINITY	SALINITY	SALINITY	SALINITY	SALINITY	SALINITY	SALINITY	SALINITY	SALINITY	SALINITY	SALINITY	SALINITY	SALINITY	SALINITY	SALINITY	NUTR	CHL	WHIT'S NUTR	
1	0m																			24	75		
2	10m																				76		
3	20m																				77		
4	30m																				78		
5	40m																				79		
6	50m																				80		
7	150m																				81		
8	200m																						
9	5m from bot.																						
10																							
11																							
12																							

133m

VESSEL		PROJECT & LEG		COD I.D.		STATION DESIGNATION																	
NOAA Ship MILLER FREEMAN		MF-02-09																					
CONSECUTIVE	CAST #	LATITUDE		LONGITUDE		DATE		TIME		DRY BULB °C	WET BULB °C	PRESSURE mb	SEA STATE	VISIBILITY	WIND DIRECTION	WIND SPEED	CLOUD (amt)	TYPE	WEATHER	BOTTOM DEPTH	STATION NAME / ID		
		DEG	MIN	DEG	MIN	DAY	MO	YR	HR													MIN	
	51857	11	01	52	44	18	Aug	21	14	25	11	01	11	20	28	32	4	8	0	X1	1385	578	
SBE 9+		91220		TIMES		DATA LOCATION		DATA ON		Tape/Diskette ID		File Name/Header		REMARKS									
PRESS SN		80020		START DOWN										<input checked="" type="checkbox"/> Cleaned air bleed valve MAX. DEPTH (m) / 33 ChLAM S/N= <input type="checkbox"/>									
PRI TEMP SN		710		AT DEPTH										ChLAM S/N= <input type="checkbox"/>									
SEC TEMP SN		884		AT SURFACE										CTD CONVERTED MONITOR VALUES									
PRI COND SN		915		PAR S/N=										FLUOR S/N= <input type="checkbox"/>									
SEC COND SN		530												SAMPLE BOTTLE NUMBER 17									
POSITION	TRIP DEPTH	PRESSURE	PRIMARY TEMP	SECONDARY TEMP	SALINITY	SALINITY	SALINITY	SALINITY	SALINITY	SALINITY	SALINITY	SALINITY	SALINITY	SALINITY	SALINITY	SALINITY	SALINITY	SALINITY	SALINITY	SALINITY	SALINITY	CHL	WHIT'S NUTR
1	0m																						
2	10m																						
3	20m																						
4	30m																						
5	40m																						
6	50m																						
7	150m																						
8	200m																						
9	5m from bot.																						
10																							
11																							
12																							

chloramax

133m

VESSEL		PROJECT & LEG		COD I.D.		STATION DESIGNATION																			
NOAA Ship MILLER FREEMAN		MF-02-09																							
CONSECUTIVE CAST #	LATITUDE		LONGITUDE		DATE		TIME		DRY BULB		WET BULB		PRESSURE	SEA STATE	VISIBILITY	WIND	DIRECTION	WIND SPEED	CLOUD (amt)	TYPE	WEATHER	BOTTOM DEPTH	STATION NAME / ID		
	DEG	MIN	DEG	MIN	DAY	MO	YR	HR	MIN	°C	°C	°C	mb			deg	knt's								
51957	26	23	61	39	30	19	02	02	47	17	21	15	81	61	80	60	05	20	1			100	519		
SBE 9+	91220		TIMES		DATA LOCATION		Tape/Diskette ID		File Name/Header														REMARKS		
PRESS SN	80020		DATA ON																						
PRI TEMP SN	710		START DOWN																						
SEC TEMP SN	884		AT DEPTH																						
PRI COND SN	915		AT SURFACE																						
SEC COND SN	530		PAR S/N=																						

VESSEL		PROJECT & LEG		COD I.D.		STATION DESIGNATION																	
NOAA Ship MILLER FREEMAN		MF-02-09																					
CONSECUTIVE	CAST #	LATITUDE		LONGITUDE		DATE		TIME		DRY BULB		WET BULB		PRESSURE	SEA STATE	VISIBILITY	WIND DIRECTION	WIND SPEED	CLOUD (amt)	TYPE	WEATHER	BOTTOM DEPTH	STATION NAME / ID
		DEG	MIN	DEG	MIN	DAY	MO	YR	HR	MIN	°C	°C	°C										
50	537	45	28	151	55	30	19	01	06	21	31	19	12	11	16	13	11	175	08	862	967	505	
SBE 9+		91220		Tape/Diskette ID		File Name/Header		DATA LOCATION		Tape/Diskette ID		File Name/Header											
PRESS SN		80020		DATA ON																			
PRI TEMP SN		710		START DOWN																			
SEC TEMP SN		884		AT DEPTH																			
PRI COND SN		915		AT SURFACE																			
SEC COND SN		530		PAR S/N=																			
				FLUOR S/N=																			
				CLEANED AIR BLEED VALVE																			
				MAX. DEPTH (m)		91																	
				ChLAM S/N=																			
				SAMPLE BOTTLE DATA																			
				SALINITY																			
				SALINITY																			
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NOAA Ship MILLER FREEMAN		MF-02-09																					
CONSECUTIVE CAST #	LATITUDE		LONGITUDE		DATE		TIME		DRY	WET	PRESSURE	SEA STATE	VISIBILITY	WIND	DIRECTION	WIND SPEED	CLOUD (amt)	TYPE	WEATHER	BOTTOM	STATION		
	DEG	MIN	DEG	MIN	DAY	MO	YR	HR	MIN	BULB °C	BULB °C	mb			deg	knt's				DEPTH	NAME / ID		
5355	6	53.703	152	24.319	09	08	21	14	14	12	11.59	83	72	30	10	10	60	2	62	143	535		
SBE 9+	91220																				REMARKS		
PRESS SN	80020				Tape/Diskette ID		File Name/Header																
PRI TEMP SN	710						CTD535																
SEC TEMP SN	884																						
PRI COND SN	915																						
SEC COND SN	530																						
		<input checked="" type="checkbox"/> PAR S/N=		<input type="checkbox"/> FLUOR S/N=		<input type="checkbox"/> MAX. DEPTH (m) / 36		<input checked="" type="checkbox"/> Cleaned air bleed valve															

VESSEL		PROJECT & LEG		COD I.D.		STATION DESIGNATION																	
NOAA Ship MILLER FREEMAN		MF-02-09																					
CONSECUTIVE	CAST #	LATITUDE		LONGITUDE		DATE		TIME		DRY BULB		WET BULB		PRESSURE	SEA STATE	VISIBILITY	WIND DIRECTION	WIND SPEED	CLOUD (amt)	TYPE	WEATHER	BOTTOM DEPTH	STATION NAME / ID
		DEG	MIN	DEG	MIN	DAY	MO	YR	HR	MIN	BULB °C	BULB °C	°C										
536	5039	152	38	123	06	02	10	02	12	10	32	72	45	5	4	4	2	1	52	536			
SBE 9+		91220		TIMES		DATA LOCATION		File Name/Header															
PRESS SN		80020		Tape/Diskette ID		CTD 536																	
PRI TEMP SN		710																					
SEC TEMP SN		884																					
PRI COND SN		915																					
SEC COND SN		530																					
		<input checked="" type="checkbox"/> PAR S/N=		<input type="checkbox"/> FLUOR S/N=		<input type="checkbox"/> ChLAM S/N=		<input checked="" type="checkbox"/> Cleaned air bleed valve		MAX. DEPTH (m) 148													
POSITION		TRIP DEPTH		PRESSURE		PRIMARY TEMP		SECONDARY TEMP		SALINITY		SALINITY		SAL		NUTR		CHL		WHITS		NUTR	
1	0m													56		241		✓					
2	10m															242		✓					
3	20m/16	chlor max														243		✓					
4	30m															244		✓					
5	40m															245		✓					
6	50m															246		✓					
7	150m	148														247		✓					
8	200m																						
9	5m from bot.																						
10																							
11																							
12																							

Winch went down not up / CTD Touched bottom

oops!

56

VESSEL		PROJECT & LEG				COD I.D.				STATION DESIGNATION												
NOAA Ship MILLER FREEMAN		MF-02-09																				
CONSECUTIVE CAST #	LATITUDE		LONGITUDE		DATE			TIME		DRY	WET	PRESSURE	SEA STATE	VISIBILITY	WIND	DIRECTION	WIND SPEED	CLOUD (amt)	TYPE	WEATHER	BOTTOM	STATION
	DEG	MIN	DEG	MIN	DAY	MO	YR	HR	MIN	BULB	BULB	mb			deg	knt's					DEPTH	NAME / ID
543	57	07.6	152	21.0	08	09	09	57	12.4	11.5	09	2	08	09	280	50	9	63			7/0	543
SBE 9+	91220																					
PRESS SN	80020		DATA ON		Tape/Diskette ID			File Name/Header														
PRI TEMP SN	710		START DOWN					CT0543														
SEC TEMP SN	884		AT DEPTH																			
PRI COND SN	915		AT SURFACE																			
SEC COND SN	530		PAR S/N=		FLUOR S/N=			ChLAM S/N=														
CTD CONVERTED MONITOR VALUES																						
POSITION	TRIP	DEPTH	PRESSURE	PRIMARY TEMP	SECONDARY TEMP	SALINITY	SALINITY	SALINITY	SAMPLE BOTTLE	DATA	SAL	NUTR	CHL	WHIT'S								
1		0m									8	291	✓									
2		10m										292	✓									
3		20m	chl. m. m. x									293	✓									
4		30m										294	✓									
5		40m										295	✓									
6		50m										296	✓									
7		150m										297	✓									
8		200m																				
9		5m from bot.																				
10																						
11																						
12																						

REMARKS

Cleaned air bleed valve

MAX. DEPTH (m) 7.2 m

ChLAM S/N=

CTD CONVERTED MONITOR VALUES

SAMPLE BOTTLE NUMBER

8

VESSEL		PROJECT & LEG		COD I.D.		STATION DESIGNATION																															
NOAA Ship MILLER FREEMAN		MF-02-09																																			
CONSECUTIVE CAST #	LATITUDE		LONGITUDE		DATE		TIME		DRY BULB		WET BULB		PRESSURE		SEA STATE		VISIBILITY		WIND		DIRECTION		WIND SPEED		CLOUD (am)		TYPE		WEATHER		BOTTOM DEPTH		STATION NAME / ID				
	DEG	MIN	DEG	MIN	DAY	MO	YR	HR	MIN	°C	°C	°C	°C	mb					deg	knt's																	
550	56	57	27	N	15	30	8	59	03	58	00	14	03	13	81	0	32	72	7	0	0	1	0	0	1	0	0	1	55	5	50						
SBE 9+		91220		TAPES/DISKETTE ID		FILE NAME/HEADER		DATA LOCATION																													
PRESS SN	80020		DATA ON																																		
PRI TEMP SN	710		START DOWN																																		
SEC TEMP SN	884		AT DEPTH																																		
PRI COND SN	915		AT SURFACE																																		
SEC COND SN	530		PAR S/N=		<input checked="" type="checkbox"/>		FLUOR S/N=		<input type="checkbox"/>																												

