



ATF

PG 2 OF 8

VESSEL		PROJECT & LEG		DSDB I.D.		STATION DESIGNATION											
NOAA Ship MILLER FREEMAN		MF00-01				2-2											
CONSC CAST #	LATITUDE		LONGITUDE		DATE JD=		TIME (GMT)	DRY BULB	WET BULB	SEA STATE	WIND DIR	WIND SPD	CLOUD (amt)	WEATHER	BOTTOM DEPTH	STA NAME/ID	
25428.59N	DEG	MIN	DEG	MIN	DAY	MO	YR	HR	MIN	(°C)	(°C)	(deg)	(m/s)		(m)		
16602.11W	16	11	16	02	06	04	20	03	08	15	56	23	01	857	53	CTD 2	
SBE 9+		91660		JD/TIME		DATA LOCATION		Tape/Diskette ID		File Name/Header		REMARKS					
PRESS SN		29772								CTD 2							
PRI TEMP SN		889															
SEC TEMP SN		884															
PRI COND SN		303															
SEC COND SN		530															
POS		TRIP DEPTH		CTD CONVERTED MONITOR VALUES		FLUOR SN 153		CHAM SN 109		SAMPLE BOTTLE DATA		SAMPLE BOTTLE NUMBER					
1		300		PRESSURE		PRI TEMP.		SEC. TEMP		SALINITY		SALINITY		SAL		WHIT'S NUTR	
2		250															
3		200															
4		150															
5		150															
6		100															
7		75															
8		50															
9		40															
10		30															
11		20															
12		10															

13 0 Taken From Surface with a five gallon Bucket,

ATF

VESSEL		PROJECT & LEG		DSDB I.D.		STATION DESIGNATION												
NOAA Ship MILLER FREEMAN		MF00-01				2-3												
CONSC CAST #	LATITUDE		LONGITUDE		DATE JD=		TIME (GMT)		DRY BULB	WET BULB	WIND DIR	WIND SPD.	CLOUD (amt)	WEATHER	BOTTOM DEPTH	STA. NAME/ID		
	DEG	MIN	DEG	MIN	DAY	MO	YR	HR	MIN	(°C)	(°C)	(deg)	(m/s)	• • •	(m)			
003	54	28.4	5	N	16	6	0	1	63	W	16	F	E	B	0	0		
SBE 9+	91660		JD/TIME		DATA LOCATION													
PRESS SN	29772		DATA ON		Tape/Diskette ID File Name/Header													
PRI TEMP SN	889		START DOWN															
SEC TEMP SN	884		AT DEPTH															
PRI COND SN	303		AT SURFACE															
SEC COND SN	530		PAR S/N 4242		FLUOR S/N 153		CHAM S/N 109											
POS.	TRIP DEPTH		CTD CONVERTED MONITOR VALUES															
			PRESSURE	PRI TEMP.	SEC TEMP	SALINITY	SALINITY	SAMPLE BOTTLE DATA								SAMPLE BOTTLE NUMBER		
1	300																	
2	250																	
3	200																	
4	150																	
5	100																	
6	75																	
7	50																	
8	40																	
9	30																	
10	20																	
11	10																	
12	0																	

☒ Cleaned air bleed valve  
MAX. DEPTH = 300 m

ATF

PG 4 OF 8

VESSEL		PROJECT & LEG		DSDB I.D.		STATION DESIGNATION										
NOAA Ship MILLER FREEMAN		MF00-01				0-3										
CONSC CAST #	LATITUDE	LONGITUDE	DATE JD=		TIME (GMT)		DRY BULB	WET BULB	SEA STATE	WIND DIR	WIND SPD.	CLOUD (amt)	WEATHER	BOTTOM DEPTH	STA NAME/ID	
DEG	MIN	DEG	MIN	DAY	MO	YR	HR	MIN	(°C)	(°C)	(deg)	(m/s)	(m)			
4	54	33	96	N	16	06	16	00	03	2	2	1	4	8	5	7
SBE 9+	91660	JD/TIME		DATA LOCATION												
PRESS SN	29772	DATA ON		Tape/Diskette ID File Name/Header												
PRI TEMP SN	889	START DOWN														
SEC TEMP SN	884	AT DEPTH														
PRI COND SN	303	AT SURFACE														
SEC COND SN	530	PAR SN 4242		FLUOR SN 153		CHAM SN 108										
POS.	TRIP DEPTH	CTD CONVERTED MONITOR VALUES														
		PRESSURE	PRI TEMP.	SEC TEMP	SALINITY	SALINITY	SALINITY	SAL	NUTR	CHL	WHIT'S NUTR.	SAMPLE BOTTLE NUMBER				
1	300															
2	250															
3	200															
4	150															
5	100															
6	75															
7	50															
8	40															
9	30															
10	20															
11	10															
12	0															

Cleaned air bleed valve

MAX. DEPTH = 426 m





VESSEL		PROJECT & LEG		DSDB I.D.		STATION DESIGNATION														
NOAA Ship MILLER FREEMAN		MF00-01																		
CONSC CAST #	LATITUDE		LONGITUDE		DATE JD=		TIME (GMT)	DRY BULB (°C)	WET BULB (°C)	PRESSURE (mb)	SEA STATE	WIND DIRLN (deg)	WIND SPD. (m/s)	CLOUD (amt)	WAVE HT (m)	BOTTOM DEPTH (m)	STA. NAME/ID			
	DEG	MIN	DEG	MIN	DAY	MO												YR	HR	MIN
1	54	46.3	N	166	03.0	W	16	F	00	16	53	3.5	2.0	94	67	20	5	15461	2002707	
SBE 9+	91660		JD/TIME		TIMES		DATA LOCATION											REMARKS		
PRESS SN	29772		DATA ON		Tape/Diskette ID		File Name/Header											10 Bottom Samples		
PRI TEMP SN	889		START DOWN		CTD-7													for spawning.		
SEC TEMP SN	884		AT DEPTH															Cleaned air bleed valve		
PRI COND SN	303		AT SURFACE															MAX. DEPTH = 196 m		
SEC COND SN	530		PAR SN 4242		FLUOR SN 153		CHAM SN 109												SAMPLE BOTTLE NUMBER	
POS.	TRIP DEPTH	CTD CONVERTED MONITOR VALUES																SAMPLE BOTTLE DATA		
		PRESSURE	PRI. TEMP.	SEC. TEMP.	SALINITY	SALINITY											SAL.	NUTR.	CHL.	WHIT'S NUTR.
1	193																			
2	193																			
3	193																			
4	193																			
5	192																			
6	193																			
7	193																			
8	193																			
9	193																			
10	193																			
11																				
12																				

VESSEL		PROJECT & LEG		DSDB I.D.		STATION DESIGNATION																	
NOAA Ship MILLER FREEMAN		MF00-01																					
CONSC CAST #		LATITUDE		LONGITUDE		DATE JD=		TIME (GMT)		DRY BULB	WET BULB	PRESSURE	SEA STATE	VISIBILITY	WIND DIR	WIND SPD.	CLOUD (amt)	WEATHER	BOTTOM DEPTH	STA. NAME/ID			
		DEG	MIN	DEG	MIN	DAY	MO	YR	HR	MIN	(°C)	(°C)	(mb)			(deg)	(m/s)		(m)				
		54	36.54	N	166	07.50	W	16	F	E	B	00	19	48	3.2	2.89	558	190	18	661	300		
SBE 9+	91660	TIMES		JD/TIME		DATA LOCATION																	
PRESS SN	29772	DATA ON				Tape/Diskette ID File Name/Header																	
PRI TEMP SN	889	START DOWN																					
SEC TEMP SN	884	AT DEPTH																					
PRI COND SN	303	AT SURFACE																					
SEC COND SN	530	PAR SN 4242		FLUOR SN 153		CHAM SN 109																	
POS	TRIP DEPTH	CTD CONVERTED MONITOR VALUES																					
		PRESSURE	PRI TEMP.	SEC. TEMP	SALINITY	SAMPLE BOTTLE DATA														SAMPLE BOTTLE NUMBER			
																				SAL	NUTR	CHL	WHIT'S NUTR.
1	373																						
2	373																						
3	373																						
4	373																						
5	373																						
6	373																						
7	373																						
8	373																						
9	373																						
10	373																						
11																							
12																							

REMARKS

TEN BOTTOM  
WATER SAMPLES  
FOR SPAWNING

✓ Cleaned air bleed valve

MAX. DEPTH = m