

VESSEL				PROJECT & LEG				STATION DESIGNATION							
NOAA Ship MILLER FREEMAN				MF 99-04 MF 98-08				12-2							
CONSC CAST #		LATITUDE		LONGITUDE		DATE JD=		TIME (GMT)		WIND DIRN. SPD.		WIND TYPE WEATHER		STA. NAME/ID	
DEG MIN		DEG MIN		DEG MIN		DAY MO YR		HR MIN		(deg) (m/s)		* * *		(m)	
56 52.84 N		16404.62 W		15		15		0014						75 12-2	
CTD				JD/TIME				DATA LOCATION				REMARKS			
TYPE & SN				DATA ON				Tape/Diskette ID				10m SE of			
PRESS SN				START DOWN								OLD mooring 2			
TEMP SN				1: 889, 2: 701 AT DEPTH											
COND SN				1: 480, 2: 303 AT SURFACE								MAX. DEPTH = 70 m			
PAR				FLUOR				TRANSMISSOMETER				Cleaned air bleed valve			
POS. TRIP DEPTH				CTD CONVERTED MONITOR VALUES				SAMPLE BOTTLE DATA				SAMPLE BOTTLE NUMBER			
				PRESSURE				PRI. TEMP.				SEC. TEMP.			
				SALINITY				SALINITY				SAL. NUTR. CHL. WHIT'S NUTR.			
1 300															
2 50															
3 40															
4 30															
5 20															
6 10															
7 0															
8															
9															
10															
11															
12															

no bottles left to trapped strings for CTD

[illegible]

VESSEL		PROJECT & LEG				STATION DESIGNATION																								
NOAA Ship MILLER FREEMAN		99-04 MF 98-08				15-1																								
CONSC CAST #	LATITUDE		LONGITUDE		DATE JD=		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)	(m/s)	(m)	(m)	(m)	(m)	(m)	(m)	(m)	(m)	(m)	(m)	(m)	(m)	(m)	(m)	(m)	
004	56	46.78	N	164	14.59	W	15	MAY	98	05	41	-6.0	-6.9	18.28	155	978	60	75	15-1											
CTD		TIMES		JD/TIME		DATA LOCATION		REMARKS																						
TYPE & SN		9Plus 91660		DATA ON		Tape/Diskette ID		File Name/Header		F99-BS-2a																				
PRESS SN		29972		START DOWN																										
TEMP SN		1: 889, 2: 701		AT DEPTH																										
COND SN		1: 480, 2: 303		AT SURFACE						MAX. DEPTH = 71 m																				
CTD CONVERTED MONITOR VALUES		PAR		FLUOR		CHAM		TRANSMISSOMETER		Cleaned air bleed valve																				
POS.	TRIP DEPTH	PRESSURE	PRI. TEMP.	SEC. TEMP.	SALINITY	SALINITY	SAMPLE BOTTLE DATA	SAMPLE BOTTLE NUMBER	SAL.	NUTR.	CHL.	WHIT'S NUTR.																		
1	70								07	979																				
2	50									978	X																			
3	40									977	X																			
4	30										X																			
5	20									976	X																			
6	14									975																				
7	14									974																				
8	14									973																				
9																														
10		downcast showed increase in salinity that																												
11		was not there on upcast																												
12		(-also didn't exist on cast 5)																												

bmp

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NOAA Ship MILLER FREEMAN		MF99-04 MF-98-08		15-2											
CONSC CAST #	LATITUDE	LONGITUDE	DATE JD=	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	
0055646-70N	164 14.64W	164 14.64W	15 MAY 98	0614-5.5	-6.2	1728	136	11	866	15-2					
CTD		JD/TIME		DATA LOCATION		Tape/Diskette ID		File Name/Header		REMARKS					
TYPE & SN		9Plus 91660		DATA ON		START DOWN		1: 889, 2: 701 AT DEPTH		COND SN		1: 480, 2: 303 AT SURFACE		MAX. DEPTH = 25 m	
PRESS SN		29972		START DOWN		1: 889, 2: 701 AT DEPTH		COND SN		1: 480, 2: 303 AT SURFACE		MAX. DEPTH = 25 m			
TEMP SN		1: 889, 2: 701 AT DEPTH		COND SN		1: 480, 2: 303 AT SURFACE		MAX. DEPTH = 25 m							
COND SN		1: 480, 2: 303 AT SURFACE		MAX. DEPTH = 25 m											
TRIP DEPTH		CTD CONVERTED MONITOR VALUES		TRANSMISSOMETER		Cleaned air bleed valve		SAMPLE BOTTLE DATA		SAMPLE BOTTLE NUMBER		SAL.		NUTR.	
1		PRESSURE		PRI. TEMP.		SEC. TEMP.		SALINITY		SALINITY		SAL.		NUTR.	
2		PRESSURE		PRI. TEMP.		SEC. TEMP.		SALINITY		SALINITY		SAL.		NUTR.	
3		PRESSURE		PRI. TEMP.		SEC. TEMP.		SALINITY		SALINITY		SAL.		NUTR.	
4		PRESSURE		PRI. TEMP.		SEC. TEMP.		SALINITY		SALINITY		SAL.		NUTR.	
5		PRESSURE		PRI. TEMP.		SEC. TEMP.		SALINITY		SALINITY		SAL.		NUTR.	
6		PRESSURE		PRI. TEMP.		SEC. TEMP.		SALINITY		SALINITY		SAL.		NUTR.	
7		PRESSURE		PRI. TEMP.		SEC. TEMP.		SALINITY		SALINITY		SAL.		NUTR.	
8		PRESSURE		PRI. TEMP.		SEC. TEMP.		SALINITY		SALINITY		SAL.		NUTR.	
9		PRESSURE		PRI. TEMP.		SEC. TEMP.		SALINITY		SALINITY		SAL.		NUTR.	
10		PRESSURE		PRI. TEMP.		SEC. TEMP.		SALINITY		SALINITY		SAL.		NUTR.	
11		PRESSURE		PRI. TEMP.		SEC. TEMP.		SALINITY		SALINITY		SAL.		NUTR.	
12		PRESSURE		PRI. TEMP.		SEC. TEMP.		SALINITY		SALINITY		SAL.		NUTR.	

VESSEL NOAAS MILLER FREEMAN		PROJ. & LEG MF99-04		STA. DESIGNATION 43-2											
CONSC CAST #	LATITUDE		LONGITUDE		DATE JD=	TIME (GMT)	DRY BULB	WET BULB	WIND DIR	WIND SP	CLOUD (amt)	WEATHER	BOTTOM DEPTH (m)	STA. NAME/ID	
	DEG	MIN	DEG	MIN											DAY
0065643.76	N	10352.94	W	17	APR	98	21	53	11.5	1.0	0037	09	01	2	43-2
CTD		TIMES		JD/TIME		DATA LOCATION 999.5		REMARKS							
TYPE & SN 92067		DATA ON		Tape/Diskette ID		File Name/Header									
PRESS SN 410K-023		START DOWN													
TEMP SN 889		AT DEPTH													
COND SN 530		AT SURFACE													
TEMP SN 701															
✓ CTD ✓ FVOR ✓ PAR															
TRIP DEPTH	CONV. MON. VALUES-CTD		SAMPLE BOTTLE DATA		SAL BOT. #	OTHER SAMPLE (ML, NW)									
POS.	PRESS	TEMP.	SAL	TEMP			SALINITY								
1	70				23	✓ 1987									
2	50					✓ 1986									
3	40					✓ 1985									
4	30					✓ 1984									
5	20					✓ 1983									
6	10					✓ 1982									
7	0														
8															
9															
10															
11															
12															