

[illegible]



VESSEL		PROJECT & LEG				STATION DESIGNATION																	
NOAA R/V MILLER FREEMAN		MF02-05																					
CONSEC CAST #	LATITUDE		LONGITUDE		DATE JD=		TIME (GMT)		WET BULB	PRESSURE	SEA STATE	VISIBILITY	WIND DIRN.	WIND SPD.	CLOUD (amt)	TYPE	WEATHER	BOTTOM DEPTH	STA. NAME/ID				
	DEG	MIN	DEG	MIN	DAY	MO	YR	HR												MIN	(°C)	(mb)	(deg)
433	57	47	15	44	15	W	06	M	A	Y	02	17	43	4	5	4	27	37	21	86	2	74	
CTD		TIMES		JD/TIME		DATA LOCATION		REMARKS															
TYPE & SN		9+ S/N 81220A		DATA ON		Tape/Diskette ID		File Name/Header															
PRESS SN		80020		START DOWN																			
TEMP SN		884/889		AT DEPTH																			
COND SN		530/303		AT SURFACE																			
								MAX. DEPTH = 67 m															
								Cleaned air bleed valve															
								TRANSMISSOMETER															
								Chiam 109															
								FLUOR 153															
								PAR 4242															
								Cleaned air bleed valve															
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								FLUOR 153															
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								FLUOR 153															
								PAR 4242															
								Cleaned air bleed valve															

[illegible]

VESSEL		PROJECT & LEG				STATION DESIGNATION																	
NOAA R/V MILLER FREEMAN		MF02-05																					
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	(°C)	(mb)	(deg)	(m/s)		(m)									
035	56	52.22	N	164	33.35	W	07	M	A	Y	02	02	59	4.5	4.33	27	210	18	86	2	72	05	2
CTD		TIMES		JD/TIME		DATA LOCATION																	
TYPE & SN		9+ S/N 91220A		DATA ON		Tape/Diskette ID																	
PRESS SN		80020		START DOWN		File Name/Header																	
TEMP SN		884/889		AT DEPTH																			
COND SN		530/303		AT SURFACE																			
						MAX. DEPTH = m																	
						Cleaned air bleed valve																	
						TRANSMISSOMETER																	
						CHIAM 109																	
						FLUOR 153																	
						PAR 4242																	
						CTD CONVERTED MONITOR VALUES																	
POS.	TRIP DEPTH	PRESSURE	PRI. TEMP.	SEC. TEMP.	PRI. SALINITY	SEC. SALINITY	SALINITY	SAMPLE BOTTLE DATA															
1	61							SAL.	NUTR.	CHL.	WHIT'S NUTR.												
2	50																						
3	30																						
4	20																						
5	10																						
6	0																						
7																							
8																							
9																							
10																							
11																							
12																							

REMARKS  
 @ BS-2  
 after mooring measure used  
 10 min for initial mooring

[illegible]

[illegible]

[illegible]





VESSEL	PROJECT & LEG						STATION DESIGNATION											
NOAA R/V MILLER FREEMAN	MF02-05																	
CONSEC CAST #	LATITUDE	LONGITUDE		DATE JD=128		TIME (GMT)	DRY BULB	WET BULB	PRESSURE	SEA STATE	VISIBILITY	WIND DIRN.	WIND SPD.	CLOUD (amt)	TYPE	WEATHER	BOTTOM DEPTH	STA. NAME/ID
DEG MIN	DEG MIN	DEG MIN	DAY MO YR	HR MIN	(°C)	(°C)	(mb)	(deg)	(m/s)	.	.	.	.	.	.	.	(m)	
44	5651.58 N	16402.57 W	08 MAY 02	0214	4.4	4.3	28.36	203	18	4	3	2	1	8	4	3	2	72
CTD	TIMES	JDTIME	DATA LOCATION									REMARKS						
TYPE & SN	DATA ON		Tape/Diskette ID		File Name/Header													
PRESS SN	80020																	
TEMP SN	884/889																	
COND SN	530/303																	
MAX. DEPTH = m																		
Cleaned air bleed valve																		
CTD CONVERTED MONITOR VALUES																		
PRESSURE		PRI. TEMP.	SEC. TEMP.	PRI. SALINITY	SEC. SALINITY	SALINITY	SAMPLE BOTTLE DATA											
POS.	TRIP DEPTH						SAMPLE BOTTLE NUMBER											
1	62						SAL.	NUTR.	CHL.	WHIT'S NUTR.								
2	50							102										
3	30							101										
4	20							100										
5	10							99										
6	0							98										
7								97										
8																		
9																		
10																		
11																		
12																		

[illegible]

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VESSEL		PROJECT & LEG				STATION DESIGNATION																	
NOAA R/V MILLER FREEMAN		MF02-05																					
CONSEC CAST #	LATITUDE			LONGITUDE			DATE JD=			TIME (GMT)			DRY BULB	WET BULB	SEA STATE	VISIBILITY	WIND DIRN.	WIND SPD.	CLOUD (amt)	WEATHER	BOTTOM DEPTH	STA. NAME/ID	
	DEG	MIN	SEC	DEG	MIN	SEC	DAY	MO	YR	HR	MIN	SEC	(°C)	(°C)			(deg)	(m/s)			(m)		
047	56	03	.47	N	166	19	77	W	09	02	15	55	4.6	4.5	19	46	24	23	86	21	24		
CTD		TIMES			JD/TIME			DATA LOCATION															
TYPE & SN		9+ S/N 81220A			DATA ON			File Name/Header															
PRESS SN		80020			START DOWN																		
TEMP SN		884/889			AT DEPTH																		
COND SN		530/303			AT SURFACE																		
		<input checked="" type="checkbox"/> PAR 4242			<input type="checkbox"/> FLUOR 153			<input type="checkbox"/> CHAM 109			<input type="checkbox"/> TRANSMISSOMETER			<input type="checkbox"/> Cleaned air bleed valve									
		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	110 ✓							24	147														
2	75 ✓																						
3	50 ✓																						
4	30 ✓																						
5	20 ✓																						
6	16 ✓																						
7	0 ✓																						
8																							
9																							
10																							
11																							
12																							

MAX. DEPTH = 116 m

[illegible]



[illegible]

[illegible]

[illegible]

VESSEL		PROJECT & LEG		STATION DESIGNATION	
NOAA R/V MILLER FREEMAN		MF02-05			
CONSEC CAST #	LATITUDE	DATE JD=130		TIME (GMT)	WIND DIRN.
DEG MIN	DEG MIN	DAY	MO	YR	WIND SPD.
53 55 32.99 N	167 46.01 W	10	MAY	02	168
DEG	DEG	MIN	MIN	HR	WET BULB
53	167	46	01	02	44
55					44
32					22
.99					37
N					26
					81
					62
					74
					13
					4
					134
CTD	JD/TIME	REMARKS			
TYPE & SN	DATA ON	Tape/Diskette ID File Name/Header			
PRESS SN	START DOWN				
TEMP SN	AT DEPTH				
COND SN	AT SURFACE	MAX. DEPTH = m			
		FLUOR 153	CHAM 108	TRANSMISSOMETER	Cleaned air bleed valve
		PAR 4242			
POS.	TRIP DEPTH	CTD CONVERTED MONITOR VALUES			
		PRESSURE	PRI. TEMP.	SEC. TEMP.	PRI. SALINITY
1					SEC. SALINITY
2					SALINITY
3					
4					
5					
6					
7					
8					
9					
10					
11					
12					





[illegible]

VESSEL										PROJECT & LEG										STATION DESIGNATION																			
NOAA RV MILLER FREEMAN										MF02-05																													
CONSC CAST #		LATITUDE				LONGITUDE				DATE JD= 130				TIME (GMT)		DRY BULB		WET BULB		PRESSURE		SEA STATE		VISIBILITY		WIND DIRN.		WIND SPD.		CLOUD (amt)		TYPE		WEATHER		BOTTOM DEPTH		STA. NAME/ID	
		DEG		MIN		DEG		MIN		DAY		MO		YR		HR		MIN		°C		°C		(mb)		*		(m/s)		*		*		(m)					
0565521.95N		168		13.43W		10		MAY		02		06		14		4.7		4.6		23		2		7		28		6		2		9		76					
CTD		TIMES				JD/TIME				DATA LOCATION										REMARKS																			
TYPE & SN		DATA ON								Tape/Diskette ID				File Name/Header																									
PRESS SN		29772																																					
TEMP SN		884/889																																					
COND SN		530/303																						MAX. DEPTH = m															
POS.		TRIP DEPTH		CTD CONVERTED MONITOR VALUES																		Cleaned air bleed valve		SAMPLE BOTTLE NUMBER															
				PAR 4242		FLUOR 153		CHIAM 109		TRANSMISSOMETER		SAMPLE BOTTLE DATA																											
				PRESSURE		PRI. TEMP.		SEC. TEMP.		PRI. SALINITY		SEC. SALINITY		SALINITY												SAL. NUTR. CHL. WHIT'S NUTR.													
1		963																																					
2																																							
3																																							
4																																							
5																																							
6																																							
7																																							
8																																							
9																																							
10																																							
11																																							
12																																							

[illegible]

[illegible]

VESSEL				PROJECT & LEG				STATION DESIGNATION										
NOAA R/V MILLER FREEMAN				MF02-05														
CONSC CAST #	LATITUDE		LONGITUDE		DATE JD=		TIME (GMT)		DRY BULB	WET BULB	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)	*	(deg)	(m/s)	*	*	(m)	
45954	40	11	16911	58	W	10	MAY	02	14	57	4.5	4.3	26	27	28	8	22	200
CTD	TIMES		JD/TIME		REMARKS													
TYPE & SN	DATA ON				Tape/Diskette ID		File Name/Header											
PRESS SN	29772																	
TEMP SN	884/889																	
COND SN	530/303																	
				PAR 4242		FLUOR 153		CHIAM 109		TRANSMISSOMETER		Cleaned air bleed valve						
POS.	TRIP DEPTH		CTD CONVERTED MONITOR VALUES															
			PRESSURE		PRI. TEMP.		SEC. TEMP.		PRI. SALINITY		SEC. SALINITY		SALINITY		SAMPLE BOTTLE DATA		SAMPLE BOTTLE NUMBER	
1	1500																	
2																		
3																		
4																		
5																		
6																		
7																		
8																		
9																		
10																		
11																		
12																		

w/b = 1527

MAX. DEPTH = 1500 m

[illegible]

[illegible]

[illegible]





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