

VESSEL		PROJECT & LEG						STATION DESIGNATION													
NOAA RV MILLER FREEMAN		MF02-05																			
CONSC CAST #	LATITUDE		LONGITUDE		DATE JD=			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)	*	*	(deg)	(m/s)	*	*	*	(m)	
6455	144.18	N	16921.69	W	29	APR	02	19	18	4.7	4.0	2	2	7	2	7	7	8	7	15	
CTD #45		TIMES		JD/TIME		DATA LOCATION						REMARKS									
TYPE & SN 9+ S/N 91660		DATA ON				Tape/Diskette ID		File Name/Header				New Primary Sensor									
PRESS SN 29772		START DOWN										C-915									
TEMP SN 884/889		AT DEPTH																			
COND SN 580/303		AT SURFACE										MAX. DEPTH = 15m									
		<input checked="" type="checkbox"/> PAR 4242		<input type="checkbox"/> FLUOR 153		<input type="checkbox"/> CHIAM 109		<input type="checkbox"/> TRANSMISSOMETER		<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												39									
2																					
3																					
4																					
5																					
6																					
7																					
8																					
9																					
10																					
11																					
12																					

fuse turned out to be due to unrelated problem (broken corroded CTD/sea cable wire) - PAR is working okay

Light Meter rated to 1600m, taken to 1500m for testing, turned on deck unit on way up, fuse blew

VESSEL NOAA R/V MILLER FREEMAN										PROJECT & LEG MF02-05										STATION DESIGNATION									
CONSC CAST #		LATITUDE				LONGITUDE				DATE JD=120			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)	*	*	(deg)	(m/s)	*	*	(m)				
009		52		23.41		N169		45.46		W34	APR		02	13	31	4.5	3.8	253	7	265	20	48	1	1	100	GSE1A			
CTD				TIMES				JD/TIME				DATA LOCATION						REMARKS											
TYPE & SN		9+ S/N 91660		DATA ON				Tape/Diskette ID				File Name/Header																	
PRESS SN		29772		START DOWN																									
TEMP SN		884/889		AT DEPTH														6/0 1144											
COND SN		530/303		AT SURFACE														MAX. DEPTH = 1001 m											
		<input type="checkbox"/> PAR 4242		<input type="checkbox"/> FLUOR 153		<input type="checkbox"/> CHIAM 109		<input type="checkbox"/> TRANSMISSOMETER		<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																													
2																													
3																													
4																													
5																													
6																													
7																													
8																													
9																													
10																													
11																													
12																													

VESSEL NOAA R/V MILLER FREEMAN				PROJECT & LEG MF02-05				STATION DESIGNATION															
CONSC CAST #	LATITUDE			LONGITUDE			DATE JD=121			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)	*	*	(deg)	(m/s)	*	*	*	(m)	
#1752	23.69	N	171	55.18	W	01	MAY	02	22	18	6.0	5.8	27	3	7	171	32	8	6	1	310	AMP 3A	
CTD		TIMES		JD/TIME		DATA LOCATION						REMARKS											
TYPE & SN	9+ S/N 91660		DATA ON				Tape/Diskette ID			File Name/Header			02AMP-3A										
PRESS SN	29772		START DOWN																				
TEMP SN	884/889		AT DEPTH																				
COND SN	530/303		AT SURFACE										MAX. DEPTH = m										
		<input checked="" type="checkbox"/> PAR 4242		<input type="checkbox"/> FLUOR 153		<input type="checkbox"/> CHIAM 109		<input type="checkbox"/> TRANSMISSOMETER		<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	300								22														
2	150								25														
3																							
4																							
5																							
6																							
7																							
8																							
9																							
10																							
11																							
12																							

VESSEL		PROJECT & LEG										STATION DESIGNATION													
NOAA R/V MILLER FREEMAN		MF02-05																							
CONSEC CAST #	LATITUDE				LONGITUDE				DATE JD=			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)					(deg)	(m/s)	*	*	*	(m)		
030	57	37	N	167	37	27	W	46	M	A	Y	02	09	23	3.1	2.9	21	27	22	41	8	8	61	69	CTD3
CTD		TIMES		JD/TIME		DATA LOCATION										REMARKS									
TYPE & SN		9+ S/N 91220A		DATA ON		Tape/Diskette ID										File Name/Header									
PRESS SN		80020		START DOWN																					
TEMP SN		884/889		AT DEPTH														w/o = 64							
COND SN		530/303		AT SURFACE														MAX. DEPTH = 65 m							
		<input checked="" type="checkbox"/> PAR 4242		<input type="checkbox"/> FLUOR 153		<input type="checkbox"/> CHIAM 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	65	65 ✓								37	42														
2	58	50 ✓									41														
3	30	30 ✓									40														
4	20	20 ✓									39														
5	10	10 ✓									38														
6	0	0 ✓									37														
7																									
8																									
9																									
10																									
11																									
12																									

VESSEL NOAA R/V MILLER FREEMAN		PROJECT & LEG MF02-05				STATION DESIGNATION															
CONSEC CAST #	LATITUDE		LONGITUDE		DATE JD=			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)			(deg)	(m/s)				(m)	
0395645.75	N		16420.1	W	07	MAY	02	11	44	4.8	4.73	1.27	2	2	15	1.8	8	6	2	73	
CTD		TIMES		JD/TIME		DATA LOCATION				REMARKS											
TYPE & SN	9+ S/N 91220A	DATA ON			Tape/Diskette ID		File Name/Header		BS2 - west												
PRESS SN	80020	START DOWN																			
TEMP SN	884/889	AT DEPTH																			
COND SN	530/303	AT SURFACE							MAX. DEPTH = 68 m												
		<input checked="" type="checkbox"/> PAR 4242	<input type="checkbox"/> FLUOR 153	<input type="checkbox"/> CHIAM 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	46 ✓								55	96											
2	50 ✓									95											
3	30 ✓									94											
4	20 ✓									93											
5	10 ✓									92											
6	0 ✓									91											
7																					
8																					
9																					
10																					
11																					
12																					

VESSEL NOAA R/V MILLER FREEMAN		PROJECT & LEG MF02-05				STATION DESIGNATION																
CONSEC CAST #	LATITUDE		LONGITUDE		DATE JD=			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)			(deg)	(m/s)				(m)		
049	55	59.05	N	166	35.08	W	09	M	A	Y	02	19	37	4.7	4.6	213	6	239	208	63	127	
CTD		TIMES		JD/TIME		DATA LOCATION					REMARKS											
TYPE & SN		9+ S/N 91220A		DATA ON		Tape/Diskette ID		File Name/Header														
PRESS SN		80020		START DOWN																		
TEMP SN		884/889		AT DEPTH							W/D = 122											
COND SN		530/303		AT SURFACE							MAX. DEPTH = 122 m											
		<input checked="" type="checkbox"/> PAR 4242		<input type="checkbox"/> FLUOR 153		<input type="checkbox"/> CHIAM 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	122 ✓													45								
2																						
3																						
4																						
5																						
6																						
7																						
8																						
9																						
10																						
11																						
12																						

VESSEL NOAA R/V MILLER FREEMAN				PROJECT & LEG MF02-05				STATION DESIGNATION															
CONSEC CAST #	LATITUDE			LONGITUDE			DATE JD= 129			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)	*	*	(deg)	(m/s)	*	*	*	(m)	
50	55	54.02	N	166	54.29	W	09	MAY	02	21	51	4.4	4.2	22	36	25	7	26	8	6	2	133	
CTD		TYPE & SN		PRESS SN		TEMP SN		COND SN		TIMES		JD/TIME		DATA LOCATION				REMARKS					
		9+ S/N 91220A		80020		884/888		530/303		DATA ON		START DOWN		AT DEPTH		AT SURFACE		Tape/Diskette ID		File Name/Header			
																				MAX. DEPTH = m			
		<input checked="" type="checkbox"/> PAR 4242		<input type="checkbox"/> FLUOR 153		<input type="checkbox"/> CHIAM 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	123																						
2																							
3																							
4																							
5																							
6																							
7																							
8																							
9																							
10																							
11																							
12																							

VESSEL NOAA RV MILLER FREEMAN		PROJECT & LEG MF02-05				STATION DESIGNATION																			
CONSEC CAST #	LATITUDE		LONGITUDE		DATE JD=		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)	*	*	(deg)	(m/s)	*	*	(m)						
057	55	4.75	N	168	28	43	W	10	MAY	02	08	53	4.7	4.5	24	27	25	6	1	28	6	2	1	7	φφ
CTD		TIMES		JD/TIME		DATA LOCATION				REMARKS															
TYPE & SN	9+ S/N 91220A		DATA ON		_____		Tape/Diskette ID		File Name/Header		_____		_____												
PRESS SN	80020		START DOWN		_____		_____		_____		_____		_____												
TEMP SN	884/889		AT DEPTH		_____		_____		_____		_____		1521												
COND SN	530/303		AT SURFACE		_____		_____		_____		_____		MAX. DEPTH = 1500 m												
		<input type="checkbox"/> PAR 4242		<input type="checkbox"/> FLUOR 153		<input type="checkbox"/> CHIAM 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	1500 ✓									11															
2																									
3																									
4																									
5																									
6																									
7																									
8																									
9																									
10																									
11																									
12																									

VESSEL NOAA R/V MILLER FREEMAN				PROJECT & LEG MF02-05				STATION DESIGNATION											
CONSC CAST #	LATITUDE		LONGITUDE		DATE JD=		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)	*	(deg)	(m/s)	*	*	(m)	
061	54	02.26	N	169	34.56	W	16	MAY	02	21	27	4.1	3.8	32	17	29	216	361	1800
CTD		TIMES		JD/TIME		DATA LOCATION				REMARKS									
TYPE & SN	9+ S/N 91660		DATA ON		Tape/Diskette ID		File Name/Header												
PRESS SN	29772		START DOWN																
TEMP SN	884/889		AT DEPTH																
COND SN	530/303		AT SURFACE								MAX. DEPTH = m								
		<input type="checkbox"/> PAR 4242		<input type="checkbox"/> FLUOR 153		<input type="checkbox"/> ChIAM 109		<input type="checkbox"/> TRANSMISSOMETER		<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																			
2																			
3																			
4																			
5																			
6																			
7																			
8																			
9																			
10																			
11																			
12																			

