

reconstructed cast log 4-9-03 pdf

VESSEL		PROJECT & LEG				STATION DESIGNATION													
NOAA R/V MILLER FREEMAN		MF03-03				CLOUD (amt)		WIND SPD.		WIND DIRN.		WIND SPD.		WIND DIRN.		WIND DIRN.		WIND DIRN.	
CONSEC CAST #		DATE				WET BULB		DRY BULB		TIME (GMT)		PRESSURE		SEA STATE		VISIBILITY		WIND DIRN.	
LATITUDE		LONGITUDE				TEMP (°C)		TEMP (°C)		HR		TEMP (mb)		TEMP (deg)		TEMP (deg)		TEMP (deg)	
DEG MIN		DEG MIN				°C		°C		MIN		°C		°C		°C		°C	
00A	57	43	18	N	15	58	26	15	58	26	13	02	4	8	02	4	7	2	02
SBE 9Plus		14858.24026				5.8		7.1		0113		0927		12509		20216		174L8.61	
PRESS SN		80020				Tape/Diskette ID		File Name/Header											
PRI COND		915																	
PRI TEMP		710																	
SEC COND		530																	
SEC TEMP		884																	
CTD CONVERTED MONITOR VALUES		WETStar SN 99				Cleared air bleed valve													
POS.	TRIP DEPTH	PRESSURE	PRI. TEMP.	SEC. TEMP.	PRI. SALINITY	SEC. SALINITY	SALINITY	SAL.	NUTR.	CHL.	WHIT'S NUTR.	SAMPLE BOTTLE NUMBER							
1	5 m from bottom																		
2	200 m																		
3	150 m																		
4	100 m																		
5	75 m																		
6	50 m																		
7	40 m																		
8	30 m																		
9	20 m																		
10	10 m																		
11	0 m																		
12																			

VESSEL		PROJECT & LEG				STATION DESIGNATION																														
NOAA R/V MILLER FREEMAN		MF03-03																																		
CONSEC CAST #	LATITUDE		LONGITUDE		DATE		TIME (GMT)		WET BULB (°C)	DRY BULB (°C)	PRESSURE (mb)	SEA STATE	VISIBILITY	WIND DIRN. (deg)	WIND SPD. (m/s)	CLOUD (amt)	TYPE	WEATHER	BOTTOM DEPTH (m)	STA. NAME/ID																
	DEG	MIN	DEG	MIN	DAY	MO	YR	HR													MIN															
004	57	41.28	N	155	09	86	W	27	F	E	B	03	14	12	5	9	5	00	2	4	3	2	6	1	2	9	0	4	8	1	6					
SBE 9Plus	91220A	TIMES		JD/TIME	DATE				TIME		WET BULB		DRY BULB		PRESSURE		SEA STATE		VISIBILITY		WIND DIRN.		WIND SPD.		CLOUD		TYPE		WEATHER		BOTTOM DEPTH		STA. NAME/ID			
PRESS SN	80020	DATA ON																																	REMARKS	
PRI COND	915	START DOWN																															LINE 8, STA 60			
PRI TEMP	710	AT DEPTH																															RE-DO @ STA 60-			
SEC COND	530	AT SURFACE																															TEMP CHANGING RAPIDLY			
SEC TEMP	684																																MAX. DEPTH = m			
<input checked="" type="checkbox"/> WETStar S/N 99 <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>																					CITD CONVERTED MONITOR VALUES		SAMPLE BOTTLE DATA		SAMPLE BOTTLE NUMBER		WHIT'S NUTR.									
POS.	TRIP DEPTH	PRESSURE	PRI. TEMP.	SEC. TEMP.	PRI. SALINITY	SEC. SALINITY	SALINITY	SAL.	NUTR.	CHL.	WHIT'S NUTR.																									
1	5 m from bottom																																			
2	200 m																																			
3	150 m																																			
4	100 m																																			
5	75 m																																			
6	50 m																																			
7	40 m																																			
8	30 m																																			
9	20 m																																			
10	10 m																																			
11	0 m																																			
12																																				

20 m/min
200 m

VESSEL		PROJECT & LEG				STATION DESIGNATION									
NOAA RV MILLER FREEMAN		MF03-03													
CONSEC CAST #	LATITUDE		LONGITUDE		DATE		TIME (GMT)		WET BULB	WIND DIRN.	WIND SPD.	CLOUD (amt)	WEATHER	BOTTOM DEPTH	STA. NAME/ID
	DEG	MIN	DEG	MIN	DAY	MO	YR	HR							
005573841N	15	50	4	55	27	F	E	B	03	15	10	6.1	5.1	034720816881	25218.59
SBE 9Plus	91220A		JD/TIME		TIMES		DATA LOCATION		REMARKS						
PRESS SN	80020		DATA ON		Tape/Diskette ID		File Name/Header								
PRI COND	915		START DOWN		Do Do Do										
PRI TEMP	710		AT DEPTH												
SEC COND	530		AT SURFACE												
SEC TEMP	884		WETStar S/N		99		Cleaned air bleed valve								
POS.	TRIP DEPTH	PRESSURE	CTD CONVERTED MONITOR VALUES				SAMPLE BOTTLE DATA				SAMPLE BOTTLE NUMBER				
			PRI. TEMP.	SEC. TEMP.	PRI. SALINITY	SEC. SALINITY	SALINITY	SAL.	NUTR.	CHL.	WHIT'S NUTR.				
1	5 m from bottom	242									40				
2	200 m														
3	150 m														
4	100 m														
5	75 m														
6	50 m														
7	40 m														
8	30 m														
9	20 m														
10	10 m														
11	0 m														
12															

30.68 30.748 5.1202 5.138
 CTD SCS CTD SCS

VESSEL		PROJECT & LEG				STATION DESIGNATION																								
NOAA RV MILLER FREEMAN		MF03-03																												
CONSEC CAST #	LATITUDE		LONGITUDE		DATE		TIME (GMT)		WET BULB (°C)	DRY BULB (°C)	WIND DIRN. (deg)	WIND SPD. (m/s)	CLOUD (amt)	WEATHER	BOTTOM DEPTH (m)	STA. NAME/ID														
	DEG	MIN	DEG	MIN	DAY	MO	YR	HR									MIN													
006	57	36.18	N	155	01.04	W	27	F	03	15	43	6	11	5	10	4	7	2	18	2	6	1	2	3	7	L	8	1	5	
SBE 9Plus	91220A		TIMES		JD/TIME		DATA LOCATION																							
PRESS SN	80020		DATA ON		Tape/Diskette ID		File Name/Header																							
PRI COND	915		START DOWN		Do not use																									
PRI TEMP	710		AT DEPTH		Do not use																									
SEC COND	530		AT SURFACE		Do not use																									
SEC TEMP	884		WETStar S/N		99		Cleared 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.	WHIT'S NUTR.	NUTR.	CHL.	NUTR.																		
1	5 m from bottom	225																												
2	200 m																													
3	150 m																													
4	100 m																													
5	75 m																													
6	50 m																													
7	40 m																													
8	30 m																													
9	20 m																													
10	10 m																													
11	0 m																													
12																														

30-911 CTD 30.768 SCS
 5-186 CTD 5-208 SCS

VESSEL		PROJECT & LEG				STATION DESIGNATION					
NOAA RV MILLER FREEMAN		MF03-03									
CONSEC CAST #	LATITUDE	LONGITUDE	DATE	TIME (GMT)	WIND DIRN.	WIND SPD.	CLOUD (amt)	TYPE	WEATHER	BOTTOM DEPTH	STA. NAME/ID
DEG	MIN	DEG	DAY	HR	(deg)	(m/s)				(m)	
007	32.918 N	15452.910 W	27 FEB 03	1640	5.5	4.8	0447	2122	1862	228	L8, 57
SBE 9Plus		91220A	JD/TIME		DATA LOCATION		REMARKS				
PRESS SN	80020	DATA ON	Tape/Diskette ID		File Name/Header						
PRI COND	915	START DOWN	<i>De</i>		<i>Sta</i>						
PRI TEMP	7.10	AT DEPTH									
SEC COND	530	AT SURFACE									
SEC TEMP	884	<input checked="" type="checkbox"/> WETStar S/N 99			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	5 m from bottom	210						18			
2	200 m										
3	150 m										
4	100 m										
5	75 m										
6	50 m										
7	40 m										
8	30 m										
9	20 m										
10	10 m										
11	0 m										
12											

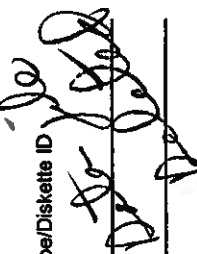
30.1861 CTD sal
 30.646 SCS sal
 4.954 CTD temp
 4.971 SCS temp

VESSEL		PROJECT & LEG				STATION DESIGNATION											
NOAA RV MILLER FREEMAN		MF03-03															
CONSEC CAST #	LATITUDE	LONGITUDE		DATE	TIME (GMT)	DRY BULB	WET BULB	PRESSURE	SEA STATE	VISIBILITY	WIND DIRN.	WIND SPD.	CLOUD (amt)	TYPE	WEATHER	BOTTOM DEPTH	STA. NAME/ID
008	57.31.15 N	154	46.90 W	27 FEB 03	1731	5.5	4.9	0.547	1	8	320	8	6	2	2	214	1856
SBE 9Plus	91220A	TIMES		JD/TIME		DATA LOCATION				REMARKS							
PRESS SN	80020	DATA ON		Tape/Diskette ID		File Name/Header				LINE 8 STA 56							
PRI COND	915	START DOWN															
PRI TEMP	710	AT DEPTH															
SEC COND	530	AT SURFACE															
SEC TEMP	884	<input checked="" type="checkbox"/> WETStar S/N 00		<input type="checkbox"/>		Cleaned air bleed valve											
POS.	TRIP DEPTH	PRESSURE	PRI. TEMP.	SEC. TEMP.	PRI. SALINITY	SEC. SALINITY	SALINITY	SAL.	NUTR.	CHL.	WHIT'S NUTR.						
1	5 m from bottom	203						11									
2	200 m																
3	150 m																
4	100 m																
5	75 m																
6	50 m																
7	40 m																
8	30 m																
9	20 m																
10	10 m																
11	0 m																
12																	

30.610 30.748 4.770 4.791
 CTD CTD 565 565

VESSEL		PROJECT & LEG				STATION DESIGNATION														
NOAA RV MILLER FREEMAN		MF03-03																		
CONSEC CAST #	LATITUDE	LONGITUDE		DATE JD= 058		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)			
009	57 29.13 N	154	41.48 W	27	F	03	18	15	5.5	4.9	054	7	208	20	76	1	067	28	55	
SBE 9Plus	91220A	DATA LOCATION										REMARKS								
PRESS SN	80020	Tape/Diskette ID										File Name/Header	Line 8 STA 55							
PRI COND	915	START DOWN																		
PRI TEMP	710	AT DEPTH																		
SEC COND	530	AT SURFACE																		
SEC TEMP	884	WETStar S/N										Cleared 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.	NUTR.	WHIT'S								
1	5 m from bottom	56											33							
2	200 m																			
3	150 m																			
4	100 m																			
5	75 m																			
6	50 m																			
7	40 m																			
8	30 m																			
9	20 m																			
10	10 m																			
11	0 m																			
12																				

30.481 SCS
 30.625 SCS
 4.015 SCS
 4.610 CTD

VESSEL		PROJECT & LEG				STATION DESIGNATION																	
NOAA RV MILLER FREEMAN		MF03-03				DATE		TIME (GMT)		WET BULB		WIND DIRN.		WIND SPD.		CLD (amt)		WEATHER		BOTTOM DEPTH		STA. NAME/ID	
CONSEC CAST #	LATITUDE	DEG	MIN	DEG	MIN	DAY	MO	YR	HR	MIN	(°C)	(°C)	(deg)	(m/s)	(m)				
011	57 41.21 N	155	11.68	W	27	F	E	B	03	54	6.5	4.9	014	70	17	8	62	29	1	03	SSP	1A	
SBE 9Plus	91220A	TIMES		JD/TIME		DATA LOCATION																	
PRESS SN	90020	DATA ON				File Name/Header																	
PRI COND	915	START DOWN				Tape/Diskette ID																	
PRI TEMP	710	AT DEPTH																					
SEC COND	530	AT SURFACE				<input type="checkbox"/> WETSar S/N <input type="checkbox"/> Cleaned air bleed valve																	
SEC TEMP	884																						
POS.		TRIP DEPTH		PRESSURE		PRI. TEMP.		SEC. TEMP.		PRI. SALINITY		SEC. SALINITY		SALINITY		SAL.		NUTR.		CHL.		WHIT'S NUTR.	
1	5 m from bottom	280														55							
2	200 m																						
3	150 m																						
4	100 m																						
5	75 m																						
6	50 m																						
7	40 m																						
8	30 m																						
9	20 m																						
10	10 m																						
11	0 m																						
12																							

30.670 30.50
 CTD 555
 4.567 4.587
 CTD 555

VESSEL		PROJECT & LEG				STATION DESIGNATION															
NOAA RV MILLER FREEMAN		MF03-03				WIND SPD.		WIND DIRN.		WIND DIRN.		WIND DIRN.		WIND DIRN.		WIND DIRN.		WIND DIRN.		WIND DIRN.	
CONSEC CAST #	LATITUDE	LONGITUDE	DATE	TIME	DRY BULB	WET BULB	PRESSURE	SEA STATE	VISIBILITY	WIND DIRN.	WIND SPD.	CLOUD (amt)	TYPE	WEATHER	BOTTOM DEPTH	STA. NAME/ID					
014	55 10.59 N	161 41.87 W	01 MAR 03	19 30	6.5	6.0	007271	6	05	160	05	862	.	.	78	037AV					
SBE 9Plus	91220A																REMARKS				
PRESS SN	80020																WETSTAR F1				
PRI COND	915																35099P				
PRI TEMP	710																				
SEC COND	530																MAX. DEPTH = m				
SEC TEMP	884																Cleaned air bleed valve				
		TIMES		JD/TIME		DATA ON		Tape/Diskette ID		DATA LOCATION		File Name/Header									
POS.	TRIP DEPTH	PRESSURE	PRI. TEMP.	SEC. TEMP.	PRI. SALINITY	SEC. SALINITY	SALINITY	SAL.	NUTR.	CHL.	WHIT'S NUTR.										
1	5 m from bottom																				
2	200 m																				
3	150 m																				
4	100 m																				
5	75 m																				
6	50 m																				
7	40 m																				
8	30 m																				
9	20 m																				
10	10 m																				
11	0 m																				
12																					

9

VESSEL		PROJECT & LEG				STATION DESIGNATION									
NOAA RV MILLER FREEMAN		MF03-03													
CONSEC CAST #	LATITUDE	LONGITUDE	DATE	TIME (GMT)	WET BULB	DRY BULB	WIND DIRN.	WIND SPD.	CLOUD (amt)	WEATHER	BOTTOM DEPTH	STA. NAME/ID			
DEG	MIN	DEG	DAY	HR	(°C)	(°C)	(deg)	(m/s)			(m)				
015	25.15	16013.39	W 03 MAR 03	0554	5.1	3.0	183	718	422	631	27	KCI			
<p>SBE 9Plus 91220A</p> <p>PRESS SN 80020</p> <p>PRI COND 915</p> <p>PRI TEMP 710</p> <p>SEC COND 530</p> <p>SEC TEMP 884</p>															
<p>TIMES</p> <p>DATA ON</p> <p>START DOWN</p> <p>AT DEPTH</p> <p>AT SURFACE</p> <p><input checked="" type="checkbox"/> WETStar SN 99</p>															
<p>DATA LOCATION</p> <p>File Name/Header</p> <p>Tape/Diskette ID</p> <p>MAX. DEPTH = m</p> <p><input type="checkbox"/> Cleaned air bleed valve</p>															
REMARKS															
WETStar F1															
35099P															
on bottom (didn't count depth for restoration) going up															
CTD CONVERTED MONITOR VALUES															
POS.	TRIP DEPTH	PRESSURE	PRI. TEMP.	SEC. TEMP.	PRI. SALINITY	SEC. SALINITY	SALINITY	SAL.	NUTR.	CHL.	WHIT'S NUTR.				
1	5 m from bottom	22						7							
2	200 m														
3	150 m														
4	100 m														
5	75 m														
6	50 m														
7	40 m														
8	30 m														
9	20 m														
10	10 m														
11	0 m														
12															

B

66 → EK500 → ea50 (add 6 m)

VESSEL		PROJECT & LEG				STATION DESIGNATION									
NOAA RV MILLER FREEMAN		MF03-03													
CONSEC CAST #	LATITUDE		LONGITUDE		DATE JD=		TIME (GMT)		WIND DIRN. (deg)	WIND SPD. (m/s)	CLOUD (amt)	TYPE	WEATHER	BOTTOM DEPTH (m)	STA. NAME/ID
	DEG	MIN	DEG	MIN	DAY	MO	YR	HR							
0175629	63 N	16100	12 W	03	MAR	03	17	59	205	14	71			66	KC2
SBE 9Plus	91220A		TIMES		JD/TIME		DATA LOCATION		REMARKS						
PRESS SN	80020		DATA ON				Tape/Diskette ID		WETStar F1						
PRI COND	915		START DOWN						SS099P						
PRI TEMP	710		AT DEPTH												
SEC COND	530		AT SURFACE						MAX. DEPTH = m						
SEC TEMP	884		<input checked="" type="checkbox"/> WETStar S/N 99				<input type="checkbox"/>		Cleaned air bleed valve						
CTD CONVERTED MONITOR VALUES															
POS.	TRIP DEPTH	PRESSURE	PRI. TEMP.	SEC. TEMP.	PRI. SALINITY	SEC. SALINITY	SALINITY	SAL.	NUTR.	CHL.	WHIT'S NUTR.				
1	5 m from bottom							41							
2	200 m														
3	150 m														
4	100 m														
5	75 m														
6	50 m														
7	40 m														
8	30 m														
9	20 m														
10	10 m														
11	0 m														
12															

66

VESSEL		PROJECT & LEG				STATION DESIGNATION										
NOAA RV MILLER FREEMAN		MF03-03														
CONSEC CAST #	LATITUDE	LONGITUDE	DATE	TIME (GMT)	DRY BULB	WET BULB	PRESSURE	SEA STATE	VISIBILITY	WIND DIRN.	WIND SPD.	CLOUD (amt)	WEATHER	BOTTOM DEPTH	STA. NAME/ID	
023	51.98 N	164.03 W	05 MAR 03	00 10 2.5	11.0	11.0	1037.4	0	4	340	22	762	072			
SBE 9Plus	91220A	TIMES	JD/TIME	DATA LOCATION												
PRESS SN	80020	DATA ON		File Name/Header												
PRI COND	915	START DOWN		Tape/Diskette ID												
PRI TEMP	710	AT DEPTH														
SEC COND	530	AT SURFACE														
SEC TEMP	894	WETStar S/N 99		Cleaned air bleed valve												
CTD CONVERTED MONITOR VALUES																
POS.	TRIP DEPTH	PRESSURE	PRI. TEMP.	SEC. TEMP.	PRI. SALINITY	SEC. SALINITY	SALINITY	SAL.	NUTR.	CHL.	SAMPLE BOTTLE NUMBER					WHIT'S NUTR.
1	5 m from bottom	067						35								
2	200 m	13.5														
3	150 m															
4	100 m															
5	75 m															
6	50 m															
7	40 m															
8	30 m															
9	20 m															
10	10 m															
11	0 m															
12																

VESSEL		PROJECT & LEG				STATION DESIGNATION											
NOAA RV MILLER FREEMAN		MF03-03															
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
03657	55.67 N	169.18 W	05	MAR	20 36	1.0	-1.4	4077	0	7	040	16	882	.	.	67	
SBE 9Plus	91220A	TIMES		JD/TIME	DATA LOCATION												
PRESS SN	90020	DATA ON			Tape/Diskette ID File Name/Header												
PRI COND	915	START DOWN			CTD 030												
PRI TEMP	710	AT DEPTH															
SEC COND	530	AT SURFACE															
SEC TEMP	884	WETSar S/N			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	5 m from bottom	62						22									
2	200m	40															
3	450m																
4	1000m																
5	750m																
6	500m																
7	400m																
8	300m																
9	200m																
10	100m																
11	0m																
12																	

REMARKS
Box J BS-4

File Name/Header

CTD 030

WETSar S/N

Cleaned air bleed valve

MAX. DEPTH = 62 m

VESSEL		PROJECT & LEG				STATION DESIGNATION											
NOAA RV MILLER FREEMAN		MF03-03															
CONSEC CAST #	LATITUDE	LONGITUDE		DATE		TIME (GMT)		DRY BULB	WET BULB	WIND DIRN.	WIND SPD.	CLOUD (amt)	TYPE	WEATHER	BOTTOM DEPTH	STA. NAME/ID	
DEG	MIN	DEG	MIN	DAY	MO	YR	HR	MIN	(°C)	(°C)	(deg)	(m/s)	.	.	(m)		
032	57.39	169	00.87	14	06	03	00	20	0.2	-1.0	30	18	8	7	2	69	
<p> TIMES 91220A JD/TIME _____ DATA LOCATION _____ DATA ON 80020 Tape/Diskette ID File Name/Header _____ PRI COND 915 START DOWN _____ PRI TEMP 710 AT DEPTH _____ SEC COND 530 AT SURFACE _____ SEC TEMP 884 <input checked="" type="checkbox"/> WETSar SN-88 <input type="checkbox"/> 865 <input type="checkbox"/> Cleaned air bleed valve </p>																	
CTD CONVERTED MONITOR VALUES																	
POS.	TRIP DEPTH	PRESSURE	PRI. TEMP.	SEC. TEMP.	PRI. SALINITY	SEC. SALINITY	SALINITY	SAL.	WHIT'S								
1	5 m from bottom							40									
2	40																
3	20																
4	0																
5	75																
6	60																
7	40																
8	30																
9	20																
10	10																
11	0																
12																	

REMARKS
SITE 4 SOUTH OCEAN

MAX. DEPTH = m

