



VESSEL NOAA RV MILLER FREEMAN		PROJECT & LEG MF-07-11 Leg 2				STATION DESIGNATION																											
CONSC CAST #		LATITUDE		LONGITUDE		DATE JD =		TIME (GMT)		DRY BULB (°C)		WET BULB (°C)		PRESSURE (mb)		SEA STATE		VISIBILITY		WIND DIRN. (deg)		WIND SPD. (knts)		CLOUD (amt)		WEATHER		BOTTOM DEPTH (m)		STA. NAME/ID			
00262		11.54 N		174.38 W		21 SEP 07		1635		9.2		8.1		10828		176		11										72		662			
CTD		TYPE & SN		DATA ON		START DOWN		AT DEPTH		AT SURFACE		TIMES		JD/TIME		DATA LOCATION		Tape/Diskette ID		File Name/Header		REMARKS											
		9+ S/N 91220A		16:32:56		16:33:03		16:35:13		16:43:00		16:32:56		16:33:03		MF-07-11 leg 2		CTD 002		End of T-1 Pre-recovery at 06-85 + 85P - 8A MAX. DEPTH = 66 m													
PRESS SN		80020																															
PRI COND SN		915																															
PRI TEMP SN		710																															
SEC COND SN		304																															
SEC TEMP SN		884																															
POS.		TRIP DEPTH		PRESSURE		PRI TEMP.		SEC. TEMP.		PRI. SALINITY		SEC. SALINITY		SALINITY		SAMPLE BOTTLE DATA		SAMPLE BOTTLE NUMBER		CLEANED AIR BLEED VALVE													
1		60		60																<input checked="" type="checkbox"/>													
2		50																		<input type="checkbox"/>													
3		40																		<input type="checkbox"/>													
4		30																		<input type="checkbox"/>													
5		22																		<input type="checkbox"/>													
6		22																		<input type="checkbox"/>													
7		22																		<input type="checkbox"/>													
8		20																		<input type="checkbox"/>													
9		10																		<input type="checkbox"/>													
10		0																		<input type="checkbox"/>													
11																				<input type="checkbox"/>													
12																				<input type="checkbox"/>													

brock sample - better than this

VESSEL NOAA RV MILLER FREEMAN		PROJECT & LEG MF-07-11 Leg 2				STATION DESIGNATION																									
CONSC CAST #		LATITUDE		LONGITUDE		DATE JD =		TIME (GMT)		DRY BULB (°C)		WET BULB (°C)		PRESSURE (mb)		SEA STATE		VISIBILITY		WIND DIRN. (deg)		WIND SPD. (knts)		CLOUD (amt)		WEATHER		BOTTOM DEPTH (m)		STA. NAME/ID	
003		62 11.73 N		174 39.99 W		21 SEP 07		2218		8.99		8.20		206						151		22						0074		043	
CTD		TYPE & SN		DATA ON		JD/TIME		Tape/Diskette ID		File Name/Header		DATA LOCATION		REMARKS																	
		9+ S/N 91220A		2215				MF-07-11 leg 2		CTD 003				67m post deployment 0785 ft + 85 ft start of V-Tow T-2																	
PRESS SN		80020		START DOWN																											
PRI COND SN		915		AT DEPTH		22:18																									
PRI TEMP SN		710		AT SURFACE		22:25																									
SEC COND SN		304																													
SEC TEMP SN		884																													
POS.		TRIP DEPTH		PRESSURE		PRI. TEMP.		SEC. TEMP.		PRI. SALINITY		SEC. SALINITY		SALINITY		SAMP. BOTTLE DATA		SAMP. BOTTLE NUMBER		SAL.		MORDY'S NUTR.		CHL.		WHIT'S NUTR.					
1		600																		3		008									
2		50																													
3		40																													
4		30																													
5		22																													
6		22																													
7		22																													
8		20																													
9		10																													
10		0																													
11																															
12																															

PAR 4690  
 WETSTAR 1036P  
 1° Dissolved Oxygen 430910  
 2° Dissolved Oxygen  
 Cleaned air bleed valve

CTD CONVERTED MONITOR VALUES

post deploy O<sub>2</sub>S and

relative humidity

67m  
post deployment 0785 ft + 85 ft  
start of V-Tow  
T-2

VESSEL NOAA RV MILLER FREEMAN		PROJECT & LEG MF-07-11 Leg 2				STATION DESIGNATION																									
CONSC CAST #		LATITUDE		LONGITUDE		DATE JD =		TIME (GMT)		DRY BULB (°C)		WET BULB (°C)		PRESSURE (mb)		SEA STATE		VISIBILITY		WIND DIRN. (deg)		WIND SPD. (knts)		CLOUD (amt)		WEATHER		BOTTOM DEPTH (m)		STA. NAME/ID	
004		519 54.64 N		177 43.51 W		22 SEP 07		1413		7.71000		00538		19510																	
CTD		TYPE & SN		DATA ON		JD/TIME		DATA LOCATION		REMARKS																					
PRESS SN		80020		START DOWN		1409		Tape/Diskette ID		File Name/Header																					
PRI COND SN		915		AT DEPTH		1413		MF-07-11 leg 2		CTD 009																					
PRI TEMP SN		710		AT SURFACE		1420																									
SEC COND SN		304																													
SEC TEMP SN		884																													
POS.		TRIP DEPTH		PRESSURE		PRI. TEMP.		SEC. TEMP.		PRI. SALINITY		SEC. SALINITY		SALINITY		SAL.		MORDY's NUTR.		CHL.		WHIT's NUTR.									
1		60														4															
2		50																													
3		40																													
4		30																													
5		20																													
6		14																													
7		11																													
8		11																													
9		11																													
10		0																													
11		0																													
12		9																													
13		9																													

PAR 4690   
  WETSTAR 1036P   
  1° Dissolved Oxygen 430910   
  2° Dissolved Oxygen

CTD CONVERTED MONITOR VALUES

Cleaned air bleed valve

SAMPLE BOTTLE DATA

END CAST # 5  
 NO. 1154

End of Tow T-2

3 9

281

VESSEL NOAA RV MILLER FREEMAN		PROJECT & LEG MF-07-11 Leg 2		STATION DESIGNATION	
CONSC CAST #	LATITUDE DEG MIN	LONGITUDE DEG MIN	DATE JD = DAY MO YR	TIME (GMT) HR MIN	DRY BULB (°C)
005	54.64 N	17143.51 W	2 SEP 07	1439	7.7
					100005
CTD	TIMES		JD/TIME	DATA LOCATION	
TYPE & SN	DATA ON		1436	Tape/Diskette ID	
9+ S/N 91220A				MF-07-11 leg 2	
PRESS SN	START DOWN			File Name/Header	
80020				CTD 005	
PRI COND SN	AT DEPTH		14:39:15		
915					
PRI TEMP SN	AT SURFACE		1439		
710					
SEC COND SN					
304					
SEC TEMP SN					
884					
<input checked="" type="checkbox"/> PAR 4690 <input checked="" type="checkbox"/> WETSTAR 1036P <input checked="" type="checkbox"/> 1 <sup>st</sup> Dissolved Oxygen 430910 <input type="checkbox"/> 2 <sup>nd</sup> Dissolved Oxygen					
<input type="checkbox"/> Cleaned air bleed valve					
CTD CONVERTED MONITOR VALUES					
POS.	TRIP DEPTH	PRESSURE	PRI. TEMP.	SEC. TEMP.	PRI. SALINITY
					SEC. SALINITY
					SALINITY
1	9				SAL.
2	9				MORDY's NUTR.
3	9				CHL.
4					WHIT'S NUTR.
5					
6					
7					
8					
9					
10					
11					
12					
REMARKS water grab cast B5-5 MAX. DEPTH = 10 m					

*cast for water samples only. goes with CTD004*

*Relative Humid WET %*

*187 12*

*69*

*005*

VESSEL: NOAA RV MILLER FREEMAN  
 PROJECT & LEG: MF-07-11 Leg 2  
 STATION DESIGNATION: Post 0785-5B

CONSC CAST #		LATITUDE		LONGITUDE		DATE JD =		TIME (GMT)		DRY BULB (°C)		WET BULB (°C)		PRESSURE		SEA STATE		VISIBILITY		WIND DIRN. (deg)		WIND SPD. (knts)		CLOUD (amt)		WEATHER		BOTTOM DEPTH (m)		STA NAME/ID	
006	59	54	.42	N	171	42	.64	W	22	S	E	P	0	7	20	207	.5	100	04			151	19					70			6

CTD TYPE & SN: 9+ S/N 91220A  
 DATA ON: 2008  
 PRESS SN: 80020  
 START DOWN: 2009  
 PRI COND SN: 915  
 AT DEPTH: 2012  
 PRI TEMP SN: 710  
 AT SURFACE: 2019  
 SEC COND SN: 304  
 SEC TEMP SN: 884

DATA LOCATION: Tape/Diskette ID MF-07-11 leg 2  
 File Name/Header: CTD 006  
 MAX. DEPTH = 62 m

PAR 4690  
 WETSTAR 1036P  
 1° Dissolved Oxygen 430910  
 2° Dissolved Oxygen  
 Cleaned air bleed valve

POS.	TRIP DEPTH	CTD CONVERTED MONITOR VALUES				SAMPLE BOTTLE DATA	SAL.	MICROB'S NUMBER	CHL.	WHIT'S NUTR.
		PRESSURE	PRI. TEMP.	SEC. TEMP.	PRI. SALINITY					
1	60					5				
2	50						229	✓		
3	40						285	✓		
4	30						281	✓		
5	20						281	✓		
6	20						283	✓		
7	20						283	✓		
8	10						281	✓		
9	0						283	✓		
10										
11										
12										

REMARKS: Post depth of 85 + 85 P-5B  
 Start of U-Tow T-3

VESSEL NOAA RV MILLER FREEMAN		PROJECT & LEG MF-07-11 Leg 2				STATION DESIGNATION									
CONSC CAST #	LATITUDE	LONGITUDE	DATE JD =	TIME (GMT)	DRY BULB (°C)	WET BULB (°C)	PRESSURE (mb)	SEA STATE	VISIBILITY	WIND DIRN. (deg)	WIND SPD. (knts)	CLOUD (amt)	WEATHER	BOTTOM DEPTH (m)	STA. NAME/ID
003575	51.68 N	16851.93 W	23 SEP 07	0507	7.0	9.7	1097			127	26			71	
CTD	TIMES		JD/TIME	DATA LOCATION											
TYPE & SN	DATA ON		1047	Tape/Diskette ID		File Name/Header									
PRESS SN	START DOWN		1048	MF-07-11 leg 2		CTD 007									
PRI COND SN	AT DEPTH		1057												
PRI TEMP SN	AT SURFACE		1056												
SEC COND SN			304												
SEC TEMP SN			884												
<input checked="" type="checkbox"/> PAR 4690 <input checked="" type="checkbox"/> WETSTAR 1036P <input checked="" type="checkbox"/> 1° Dissolved Oxygen 430910 <input type="checkbox"/> 2° Dissolved Oxygen CTD CONVERTED MONITOR VALUES <input type="checkbox"/> Cleaned air bleed valve															
POS.	TRIP DEPTH	PRESSURE	PRI. TEMP.	SEC. TEMP.	PRI. SALINITY	SEC. SALINITY	SALINITY	SAMPLE BOTTLE DATA	SAMPLE BOTTLE NUMBER	SAL.	MORDY'S NUTR.	CHL.	WHIT'S NUTR.		
1	60							6		016					
2	50									015	281				
3	40									014	281				
4	30									013	285				
5	20									012	283				
6	15									011					
7	10.25	10.4									285				
8	10.25	10.4								010	279				
9	10.25	10.6								009	288				
10	0										283				
11															
12															

4A





VESSEL NOAA RV MILLER FREEMAN		PROJECT & LEG MF-07-11 Leg 2				STATION DESIGNATION																									
CONSC CAST #		LATITUDE		LONGITUDE		DATE JD =		TIME (GMT)		DRY BULB (°C)		WET BULB (°C)		PRESSURE (mb)		SEA STATE		VISIBILITY		WIND DIRN. (deg)		WIND SPD. (knts)		CLOUD (amt)		WEATHER		BOTTOM DEPTH (m)		STA. NAME/ID	
009		545 11.67N		168 51.89W		23 SEP 07		2321		2330		2318		2330		2321		2330		2318		2330		2318		2330		2318		2330	
CTD		TYPE & SN		DATA ON		JD/TIME		DATA LOCATION		Tape/Diskette ID		File Name/Header		REMARKS																	
PRESS SN		80020		START DOWN		2318		Tapel/Diskette ID		MF-07-11 leg 2		File Name/Header		CTD 009		2318		2330		2318		2330		2318		2330		2318			
PRI COND SN		915		AT DEPTH		2321																									
PRI TEMP SN		710		AT SURFACE		2330																									
SEC COND SN		304																													
SEC TEMP SN		884																													
POS.		TRIP DEPTH		PRESSURE		PRI. TEMP.		SEC. TEMP.		PRI. SALINITY		SEC. SALINITY		SALINITY		SAMP. BOTTLE DATA		SAMP. BOTTLE NUMBER		SAL.		MORDY'S NUTR.		CHL.		WHIT'S NUTR.					
1		58																		7		023		281							
2		40																				022		281							
3		30																				021		283							
4		20																				020		285							
5		12																						283.0							
6		12																						288.0							
7		12																						279.0							
8		10																						281							
9		0																						283							
10																															
11																															
12																															

PAR 4690   
  WETSTAR 1036P   
  1° Dissolved Oxygen 430910   
  2° Dissolved Oxygen

Cleaned air bleed valve

REMARKS  
 205 depth by 07-85+ 85P-48

Rel. Hum. 100



MISSING

VESSEL NOAA RV MILLER FREEMAN		PROJECT & LEG MF-07-11 Leg 2				STATION DESIGNATION																											
CONSC CAST #		LATITUDE		LONGITUDE		DATE JD =		TIME (GMT)		DRY BULB (°C)		WET BULB (°C)		PRESSURE		SEA STATE		VISIBILITY		WIND DIRN. (deg)		WIND SPD. (knts)		CLOUD (amt)		WEATHER		BOTTOM DEPTH (m)		STA. NAME/ID			
011		56 52.52 N		164 02.55 W		26 SEP 07		15 29		8.3		87.3		31.1						242		25						71					
CTD		TYPE & SN		DATA ON		START DOWN		AT DEPTH		AT SURFACE		Tape/Diskette ID		File Name/Header		REMARKS																	
		9+ S/N 91220A		1523		-		1529		1537		MF-07-11 leg 2		CTD011		End of Trawl - 4 Pre recovery 07-85-2A BSP-2A BSM-2A																	
PRESS SN		80020																															
PRI COND SN		915																															
PRI TEMP SN		710																															
SEC COND SN		304																															
SEC TEMP SN		884																															
POS.		TRIP DEPTH		PRESSURE		PRI. TEMP.		SEC. TEMP.		PRI. SALINITY		SEC. SALINITY		SALINITY		SAL.		MORDY's NUTR.		CHL.		WHIT'S NUTR.											
1		60												9																			
2		56																															
3		56																															
4		56																															
5		50																															
6		44																															
7		44																															
8		44																															
9		40																															
10		30																															
11		0																															
12																																	

PAR 4690  WETSTAR 1036P  1° Dissolved Oxygen 430910  2° Dissolved Oxygen

Cleaned air bleed valve

CTD CONVERTED MONITOR VALUES

SAMPLE BOTTLE DATA

SAMPLE BOTTLE NUMBER

VESSEL		PROJECT & LEG				STATION DESIGNATION									
NOAA RV MILLER FREEMAN		MF-07-11 Leg 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. (knts)	CLOUD (amt)	WEATHER	BOTTOM DEPTH (m)	STA. NAME/ID
012516	52.58 N	16402.73 W	26 SEP 07	160708.2	28.5	11	24820			24820				172	
CTD	TIMES		JD/TIME	DATA LOCATION				REMARKS							
TYPE & SN	DATA ON		1605	Tape/Diskette ID				2nd cast for water							
PRESS SN	START DOWN		1605	MF-07-11 leg 2				07-05-2							
PRI COND SN	AT DEPTH		1607												
PRI TEMP SN	AT SURFACE		1614												
SEC COND SN			304												
SEC TEMP SN			884												
		<input checked="" type="checkbox"/> PAR 4690		<input checked="" type="checkbox"/> WETSTAR 1036P		<input type="checkbox"/> 2° Dissolved Oxygen		<input type="checkbox"/> Dissolved Oxygen				<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.	MORDY'S NUTR.	CHL.	WHIT'S NUTR.	SAMPLE BOTTLE DATA			
1	30.5	30.5													
2	24.5	24.8													
3	24.5	24.6													
4	20	21.4													
5	18	19.0													
6	18	17.7													
7	18	17.3													
8	12.5	11.9													
9	12.5	12.0													
10	12.5	12.0													
11	10	10.2													
12															

30m Bad Bottle on cast 11  
 Take out 1 24.5 added 30m  
 rate ↓ 50-60 m/min  
 Compare Thermocline CTD 11

note water at 10m

25 samples taken for this

Cast 10

VESSEL: NOAA RV MILLER FREEMAN  
 PROJECT & LEG: MF-07-11 Leg 2  
 STATION DESIGNATION:

CONSC CAST #	DEG	MIN	LONGITUDE	DEG	MIN	DATE JD =	DAY	MO	YR	HR	MIN	TIME (GMT)	DRY BULB (°C)	WET BULB (°C)	Rel % Humidity	PRESSURE (mb)	SEA STATE	VISIBILITY	WIND DIRN. (deg)	WIND SPD. (knts)	CLOUD (amt)	WEATHER	BOTTOM DEPTH (m)	STA. NAME/ID	
0113	56	52.21	N	164	02.69	W	27	S	E	P	07	0007	08.49	3.16	16	16	7	125	0	0	0	0	0	0	0

CTD TYPE & SN: 9+ S/N 91220A  
 PRESS SN: 80020  
 PRI COND SN: 915  
 PRI TEMP SN: 710  
 SEC COND SN: 304  
 SEC TEMP SN: 884  
 DATA ON: 0000  
 START DOWN: 0000  
 AT DEPTH: 0007  
 AT SURFACE: 0016  
 JD/TIME: 26  
 DATA LOCATION: Tape/Diskette ID MF-07-11 leg 2, File Name/Header CTD 013  
 REMARKS: Post deployment at 07-85 + BSP - 2  
 MAX. DEPTH = m

PAR 4690  WETSTAR 1036P  1° Dissolved Oxygen 430910  2° Dissolved Oxygen  
 Cleaned air bleed valve

POS.	TRIP DEPTH	PRESSURE	PRI. TEMP.	SEC. TEMP.	PRI. SALINITY	SEC. SALINITY	SALINITY	SAL.	MORDY'S NUTR.	CHL.	WHIT'S NUTR.
1	61	61.1						10			
2	56	51.7								288	
3	40	40.4								285	
4	33	33.8								283	
5	33	34.2								283	
6	33	33.1								281	
7	20	20.7								281	
8	13.5	15.0								281	
9	12	12.8								281	
10	12	12.2								285	
11	12	13.0								289	
12	0									283	

Buckst



VESSEL NOAA RV MILLER FREEMAN		PROJECT & LEG MF-07-11 Leg 2				STATION DESIGNATION															
CONSC CAST #	LATITUDE DEG MIN	LONGITUDE DEG MIN	DATE JD= 231 DAY MO YR	TIME (GMT) HR MIN	DRY BULB (°C)	WET BULB (°C)	PRESSURE (mb) *	SEA STATE *	VISIBILITY *	WIND DIRN. (deg)	WIND SPD. (knts) *	CLOUD (amt) TYPE WEATHER	BOTTOM DEPTH (m)	STA. NAME/IC							
015	519.142N	16944.40W	28 SEP 07	1915	5.8	100.3	911			300	24		137								
CTD		TIMES		JD/TIME		DATA LOCATION				REMARKS											
TYPE & SN		DATA ON		1910		Tape/Diskette ID				File Name/Header											
PRESS SN		START DOWN				MF-07-11 leg 2				CTD 015											
PRI COND SN		AT DEPTH		1915																	
PRI TEMP SN		AT SURFACE		1916																	
SEC COND SN				304																	
SEC TEMP SN				884																	
<input checked="" type="checkbox"/> PAR 4690 <input checked="" type="checkbox"/> WETSTAR 1036P <input checked="" type="checkbox"/> 1° Dissolved Oxygen 430910 <input type="checkbox"/> 2° Dissolved Oxygen CTD CONVERTED MONITOR VALUES <input type="checkbox"/> Cleaned air bleed valve																					
POS.	TRIP DEPTH	PRESSURE			PRI. TEMP.		SEC. TEMP.		PRI. SALINITY		SEC. SALINITY		SALINITY		SAMPLE BOTTLE DATA	SAMPLE BOTTLE NUMBER		SAL.	MORDY'S NUTR.	CHL.	WHIT'S NUTR.
1	127															12					
2																					
3																					
4																					
5																					
6																					
7																					
8																					
9																					
10																					
11																					
12																					

VESSEL NOAA RV MILLER FREEMAN		PROJECT & LEG MF-07-11 Leg 2				STATION DESIGNATION																			
CONSC CAST #	DEG MIN	LATITUDE	DEG MIN	LONGITUDE	DATE JD =	DAY MO	YR	HR MIN	TIME (GMT)	DRY BULB (°C)	WET BULB (°C)	Rel Hum. % WET BULB	PRESSURE	SEA STATE	VISIBILITY	WIND DIRN. (deg)	WIND SPD. (knts)	CLOUD (amt) TYPE	WEATHER	BOTTOM DEPTH (m)	STA. NAME/ID				
016	56	15.57 N	169	51.82 W	28	5	07	20	20	207.3	100	119	4			317	26			11	19				
CTD		TIMES		JD/TIME		DATA LOCATION		REMARKS																	
TYPE & SN		9+ S/N 91220A		DATA ON		2008		Tape/Diskette ID		MF-07-11 leg 2		File Name/Header		Line Smith of St. George											
PRESS SN		80020		START DOWN		2009		CTD 016																	
PRI COND SN		915		AT DEPTH		2012																			
PRI TEMP SN		710		AT SURFACE		2015																			
SEC COND SN		304																							
SEC TEMP SN		884																							
		<input checked="" type="checkbox"/> PAR 4690		<input checked="" type="checkbox"/> WETSTAR 1036P		<input checked="" type="checkbox"/> 1° Dissolved Oxygen		430910		<input type="checkbox"/> 2° Dissolved Oxygen															
		<input checked="" type="checkbox"/> CTD CONVERTED MONITOR VALUES		<input type="checkbox"/> Cleaned air bleed valve																					
POS.	TRIP DEPTH	PRESSURE		PRI. TEMP.		SEC. TEMP.		PRI. SALINITY		SEC. SALINITY		SALINITY		SAL.		MORDY's NUTR.		CHL.		WHIT'S NUTR.					
1	1136													13											
2																									
3																									
4																									
5																									
6																									
7																									
8																									
9																									
10																									
11																									
12																									

Bottom mit 2X



VESSEL NOAA RV MILLER FREEMAN		PROJECT & LEG MF-07-11 Leg 2				STATION DESIGNATION										
CONSC CAST #	LATITUDE DEG MIN	LONGITUDE DEG MIN	DATE JD= DAY MO YR	TIME (GMT) HR MIN	DRY BULB (°C)	WET BULB (°C)	PRESSURE (mb)	SEA STATE	VISIBILITY	WIND DIRN. (deg)	WIND SPD. (knts)	CLOUD (amt) TYPE	WEATHER	BOTTOM DEPTH (m)	STA. NAME/ID	
0117	56 11.46 N	169 57.78 W	28 SEP 07	2104	7.88	8.89	977			311	28			1118		
CTD		TIMES		JD/TIME		DATA LOCATION				REMARKS						
TYPE & SN 9+ S/N 91220A		DATA ON		2100		Tape/Diskette ID MF-07-11 leg 2				File Name/Header CTD 014						
PRESS SN 80020		START DOWN		2100												
PRI COND SN 915		AT DEPTH		2104												
PRI TEMP SN 710		AT SURFACE		2107												
SEC COND SN 304																
SEC TEMP SN 884																
		<input checked="" type="checkbox"/> PAR 4690		<input checked="" type="checkbox"/> METSTAR 1036P		<input checked="" type="checkbox"/> 1° Dissolved Oxygen 430910		<input type="checkbox"/> 2° Dissolved Oxygen						<input type="checkbox"/> Cleaned air bleed valve		
CTD CONVERTED MONITOR VALUES																
POS.	TRIP DEPTH	PRESSURE		PRI. TEMP.	SEC. TEMP.	PRI SALINITY	SEC. SALINITY	SALINITY	SAMPLE BOTTLE DATA		SAMPLE BOTTLE NUMBER		SAL.	MORDY'S NUTR.	CHL.	WHIT'S NUTR.
1	1094												14			
2																
3																
4																
5																
6																
7																
8																
9																
10																
11																
12																

VESSEL NOAA RV MILLER FREEMAN		PROJECT & LEG MF-07-11 Leg 2				STATION DESIGNATION																									
CONSC CAST #		LATITUDE		LONGITUDE		DATE JD =		TIME (GMT)		DRY BULB (°C)		WET BULB (°C)		PRESSURE		SEA STATE		VISIBILITY		WIND DIRN.		WIND SPD.		CLOUD (amt)		WEATHER		BOTTOM DEPTH (m)		STA. NAME/ID	
018		5607.61 N		17605.81 W		28 SEP 07		220607.4		87.599		30637		30637		0122															
CTD		TYPE & SN		DATA ON		JD/TIME		Tape/Diskette ID		File Name/Header		DATA LOCATION		REMARKS																	
		9+ S/N 91220A		2202		2202		MF-07-11 leg 2		CTD 018				MAX. DEPTH = 118 m																	
PRESS SN		80020		START DOWN		2203																									
PRI COND SN		915		AT DEPTH		2206																									
PRI TEMP SN		710		AT SURFACE		2207																									
SEC COND SN		304																													
SEC TEMP SN		884																													
POS.		TRIP DEPTH		PRESSURE		PRI. TEMP.		SEC. TEMP.		PRI. SALINITY		SEC. SALINITY		SALINITY		SAL.		MORDY'S NUTR.		CHL.		WHIT'S NUTR.									
1		1156												15																	
2																															
3																															
4																															
5																															
6																															
7																															
8																															
9																															
10																															
11																															
12																															

PAR 4690

WETSTAR 1036P

Dissolved Oxygen 430910

2° Dissolved Oxygen

Cleaned air bleed valve

CTD CONVERTED MONITOR VALUES

off before surface

w/o - 124

Rel Humid 6

MAX. DEPTH = 118 m

VESSEL NOAA RV MILLER FREEMAN		PROJECT & LEG MF-07-11 Leg 2				STATION DESIGNATION																
CONSC CAST #	LATITUDE DEG MIN	LONGITUDE DEG MIN	DATE JD = DAY MO YR	TIME (GMT) HR MIN	DRY BULB (°C)	WET BULB (°C)	PRESSURE (mb)	SEA STATE *	VISIBILITY *	WIND DIRN. (deg)	WIND SPD. (knts)	CLOUD (amt) *	WEATHER *	BOTTOM DEPTH (m)	STA. NAME/ID							
019	5603.67 N	17012.46 W	28 SEP 07	2302	08.0	75.40	1			299	28			133								
CTD		TIMES		DATA LOCATION		REMARKS																
TYPE & SN 9+ S/N 91220A		DATA ON 2257		Tape/Diskette ID MF-07-11 leg 2		File Name/Header CTD 019																
PRESS SN 80020		START DOWN 2257																				
PRI COND SN 915		AT DEPTH 2302																				
PRI TEMP SN 710		AT SURFACE 2306																				
SEC COND SN 304																						
SEC TEMP SN 884																						
		<input checked="" type="checkbox"/> PAR 4690		<input checked="" type="checkbox"/> WETSTAR 1036P		<input checked="" type="checkbox"/> 1° Dissolved Oxygen 430910		<input type="checkbox"/> 2° Dissolved Oxygen				<input type="checkbox"/> Cleaned air bleed valve										
CTD CONVERTED MONITOR VALUES																						
POS.	TRIP DEPTH	PRESSURE				PRI. TEMP.		SEC. TEMP.		PRI. SALINITY		SEC. SALINITY		SALINITY		SAMP. BOTTLE DATA	SAMP. BOTTLE NUMBER	SAL.	MORDY'S NUTR.	CHL.	WHIT'S NUTR.	
1	124.2																	16				
2																						
3																						
4																						
5																						
6																						
7																						
8																						
9																						
10																						
11																						
12																						

