

VESSEL
NOAA RV MILLER FREEMAN

PROJECT & LEG
MF-08-10

STATION DESIGNATION

[illegible]

VESSEL
NOAA R/V MILLER FREEMAN

PROJECT & LEG
MF-08-10

STATION DESIGNATION

2019

[illegible]

VESSEL NOAA RV MILLER FREEMAN		PROJECT & LEG MF-08-10				STATION DESIGNATION AMP 3																									
CONSC CAST #		LATITUDE		LONGITUDE		DATE JD=		TIME (GMT)		DRY BULB		WET BULB % humidity		PRESSURE		SEA STATE		VISIBILITY		WIND DIRN.		WIND SPD.		CLOUD (amt)		TYPE WEATHER		BOTTOM DEPTH		STA. NAME/ID	
0045224.67 N		17154.86 W		23 Sept 08		003908.392.920		15018		15018		15018		15018		15018		15018		15018		15018		15018		15018		15018		15018	
CTD		TYPE & SN 9+ S/N 2067		TIMES DATA ON		JD/TIME		DATA LOCATION		Tape/Diskette ID		File Name/Header		REMARKS																	
PRESS SN 2067		START DOWN 0029								MF-08-10 Leg II		CTD 004																			
PRI COND SN 915		AT DEPTH 0039																													
PRI TEMP SN 710		AT SURFACE																													
SEC COND SN 535																															
SEC TEMP SN 884																															
POS.		TRIP DEPTH		PRESSURE		PRI. TEMP.		SEC. TEMP.		PRI. SALINITY		SEC. SALINITY		SALINITY		SAMPLE BOTTLE DATA		SAMPLE BOTTLE NUMBER		SAL.		MOR'DY'S NUTR.		CHL.		W.HIT'S NUTR.					
1		60 ft		292																40		040									
2		250		250.1																		039									
3		175		174.1																		038									
4		100		100.1																		037									
5		75		75.8																		036									
6		50		50.6																		035									
7		30		30.2																		034									
8		20		20.3																		033									
9		10		10.1																		032									
10		0		1.5																		031									
11																															
12																															

☒ PAR 4242

☒ WETSTAR 726P

☐ 1° Dissolved Oxygen

☐ 2° Dissolved Oxygen

☐ Cleaned air bleed valve

CTD CONVERTED MONITOR VALUES

MAX DEPTH = 292 m

VESSEL
NOAA RV MILLER FREEMAN

PROJECT & LEG
MF-08-10

STATION DESIGNATION

Amo 4

[illegible]

VESSEL	PROJECT & LEG	STATION DESIGNATION
NOAA R/V MILLER FREEMAN	MF-08-10	Amu ktr west shallow

[illegible]

CTD		TIMES	JDT/TIME	DATA LOCATION		REMARKS
TYPE & SN	9+ S/N 2067	DATA ON		Tape/Diskette ID	File Name/Header	
PRESS SN	2067	START DOWN		MF-08-10 Lsg II	CTD 006	
PRI COND SN	915	AT DEPTH	0514			
PRI TEMP SN	710	AT SURFACE				MAX. DEPTH = 193 m

SEC COND SN	535		
SEC TEMP SN	884		

POS.	TRIP		X PAR 4242	X WETSTAR 726P	<input type="checkbox"/> 1° Dissolved Oxygen 430910	<input type="checkbox"/> 2° Dissolved Oxygen	<input type="checkbox"/>	Cleaned air bleed valve		SAMPLE BOTTLE	SAMPLE BOTTLE NUMBER
CTD CONVERTED MONITOR VALUES											

[illegible]

VESSEL NOAA RV MILLER FREEMAN		PROJECT & LEG MF-08-10				STATION DESIGNATION Site 5																									
CONSC CAST #		LATITUDE		LONGITUDE		DATE JD=		TIME (GMT)		DRY BULB		% Hum WET BULB		PRESSURE		SEA STATE		VISIBILITY		WIND DIRN.		WIND SPD.		CLOUD (amt)		TYPE WEATHER		BOTTOM DEPTH		STA. NAME/ID	
007		59 54.98 N		171 42.75 W		25 Sept 08		15 46 04.376.918		023 06		069		5																	
CTD		TYPE & SN 9+ S/N 2067		TIMES DATA ON		JD/TIME		DATA LOCATION		Tape/Diskette ID MF-08-10		File Name/Header CTD 007		REMARKS CTD PRIOR TO RECOVERY OF SITE 5 MOORINGS		MAX. DEPTH =		m													
PRESS SN 2067		START DOWN																													
PRI COND SN 915		AT DEPTH		1546																											
PRI TEMP SN 710		AT SURFACE																													
SEC COND SN 535																															
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		66		61.2												82.061		061													
2		66		61.5												062		062													
3		66		61.2												063		063													
4		50		50.7												064		064													
5		40		40.6												065		065													
6		30		30.2												065		065													
7		30		30.3												065		065													
8		30		30.4												066		066													
9		10		10.3												067		067													
10		0		2.4												068		068													
11																															
12																															

CTD CONVERTED MONITOR VALUES

☒ PAR 4242

☒ WETSTAR 726P

☐ 1° Dissolved Oxygen 430910

☐ 2° Dissolved Oxygen

☐ Cleaned air bleed valve

1 OF 2 CASTS

1 of 2
CASTS

VESSEL
NOAA RV MILLER FREEMAN

PROJECT & LEG
MF-08-10

STATION DESIGNATION S

[illegible]

VESSEL NOAA RV MILLER FREEMAN		PROJECT & LEG MF-08-10 Leg II				STATION DESIGNATION																									
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	
009		5452.26N		17192.66W		25 Sept 08		1054		05.00		07.31		16						074		16						70			
CTD		TYPE & SN		9+ S/N 2067		DATA ON		JD/TIME		Tape/Diskette ID		File Name/Header		CTD 009		REMARKS															
PRESS SN		2067		START DOWN						MF-08-10 Leg II																					
PRI COND SN		915		AT DEPTH				1054																							
PRI TEMP SN		710		AT SURFACE																											
SEC COND SN		535																													
SEC TEMP SN		884																													
POS.		TRIP DEPTH		PRESSURE		PRI. TEMP.		SEC. TEMP.		PRI. SALINITY		SEC. SALINITY		SALINITY		SAL.		MORDY's NUTR		CHL.		WHITT's NUTR.									
1		10 mab		60.4												.78															
2		50		50.0																											
3		40		40.4																											
4		30		36.1																											
5		30		30.4																											
6		30		30.4																											
7		20		19.8																											
8		20		20.0																											
9		20		20.0																											
10		10		10.4																											
11		0		1.7																											
12																															

☒ PAR 4242

☒ METSTAR 726P

☐ 1° Dissolved Oxygen 430910

☐ 2° Dissolved Oxygen

☐ Cleaned air bleed valve

CTD CONVERTED MONITOR VALUES

SAMPLE BOTTLE
DATA

SAMPLE BOTTLE NUMBER

CTD AFTER DEPTH OF
SITE 5 MORRIS

MAX DEPTH = 60.4 m

[illegible]

VESSEL		PROJECT & LEG		STATION DESIGNATION													
NOAA R/V MILLER FREEMAN		MF-08-10		Site 4													
CONSC CAST #	LATITUDE	LONGITUDE	DATE JD=	TIME (GMT)	DRY BULB	% HUM	WET BULB	PRESSURE	SEA STATE	VISIBILITY	WIND DIRN.	WIND SPD.	CLOUD (amt)	TYPE	WEATHER	BOTTOM DEPTH	STA. NAME/ID
0115753.41N	16853.92W	27	Sept 08	225308.3	86.5	19	12207	71	4-4								
CTD	TIMES	JD/TIME	DATA LOCATION														
TYPE & SN	9+ S/N 2067	DATA ON	Tape/Diskette ID File Name/Header														
PRESS SN	2067	START DOWN	MF-08-10 19 II CTD 011														
PRI COND SN	915	AT DEPTH	2253														
PRI TEMP SN	710	AT SURFACE	2302														
SEC COND SN	535																
SEC TEMP SN	884																
<input checked="" type="checkbox"/> PAR 4242 <input checked="" type="checkbox"/> WESTAR 726P <input type="checkbox"/> Dissolved Oxygen 430910 <input type="checkbox"/> Dissolved Oxygen			<input type="checkbox"/> Cleaned air bleed valve														
POS.	TRIP DEPTH	CTD CONVERTED MONITOR VALUES										SAMPLE BOTTLE DATA		SAMPLE BOTTLE NUMBER			
1	10 m	PRESSURE	PRI. TEMP.	SEC. TEMP.	PRI. SALINITY	SEC. SALINITY	SALINITY	SAL.	MORDY'S NUTR.	CHL.	WHITT'S NUTR.						
2	20 m	49.9						48									
3	30 m	40.0															
4	40 m	29.8															
5	50 m	20.0															
6	60 m	17.0															
7	70 m	17.2															
8	80 m	16.9															
9	90 m	10.3															
10	100 m	1.3															
11	110 m																
12	120 m																

CTD AFTER DEPTH @ SITE 4

MAX. DEPTH = m

SEC COND SN		535	
SEC TEMP SN		884	
CTD and bottles covered in jelly fish tentacles			
POS.		TRIP DEPTH	
		PRESSURE	
		PRI. TEMP.	
		SEC. TEMP.	
		PRI. SALINITY	
		SEC. SALINITY	
		SALINITY	
		SAL.	
		MORDY's NUTR.	
		CHL.	
		WHIT's NUTR.	
PAR 4242		WEI STAR 726P	
1° Dissolved Oxygen		2° Dissolved Oxygen	
CTD CONVERTED MONITOR VALUES		SAMPLE BOTTLE DATA	
SAMPLE BOTTLE NUMBER		SAMPLE BOTTLE NUMBER	
Cleared air bleed valve			
1	10m	67.5	54
2	61	61.2	
3	61	61.2	
4	61	61.2	
5	57	57.2	
6	57	57.0	
7	57	57.2	
8	50	50.2	
9	44	44.1	
10	44	44.4	
11	44	44.2	
12			

2ND SAMPLE
TAKEN
ARTERIAL
ALL OTHER
SAMPLES
WERE RUN

VESSEL		PROJECT & LEG		STATION DESIGNATION												
NOAA R/V MILLER FREEMAN		MF-08-10 Leg II		3,7c 2												
CONSC	LATITUDE	LONGITUDE	DATE JD=	TIME (GMT)	DRY BULB	% hum WET BULB	PRESSURE	SEA STATE	VISIBILITY	WIND DIRN.	WIND SPD.	CLOUD (amt)	TYPE	WEATHER	BOTTOM DEPTH	STA. NAME/ID
CAST #	DEG MIN	DEG MIN	DAY MO YR	HR MIN	(°C)	(°C)	(mb)	*	*	(deg)	(knts)	*	*	*	(m)	
014	56.5	116.46	28 Sept 08	0107	08.9	90.6	107			200	21				72	51+02
CTD	TIMES		JD/TIME	DATA LOCATION												
TYPE & SN	9+ S/N 2067		DATA ON	Tape/Diskette ID MF-08-10 Leg II File Name/Header CTD 014												
PRESS SN	2067		START DOWN													
PRI COND SN	915		AT DEPTH	0107												
PRI TEMP SN	710		AT SURFACE	0114												
SEC COND SN	535															
SEC TEMP SN	884															
POS.	TRIP DEPTH	<input checked="" type="checkbox"/> PAR 4242 <input checked="" type="checkbox"/> WESTAR 726P <input type="checkbox"/> 1° Dissolved Oxygen 430910 <input type="checkbox"/> 2° Dissolved Oxygen <input type="checkbox"/> Cleaned air bleed valve														
		CTD CONVERTED MONITOR VALUES														
	PRESSURE	PRI. TEMP.	SEC. TEMP.	PRI. SALINITY	SEC. SALINITY	SALINITY	SAMPLE BOTTLE DATA	SAMPLE BOTTLE NUMBER	SAL.	MORBY'S NUTR.	CHL.	WHIT'S NUTR.				
1	10 mdb	68.5							.79							
2	61	61.0										.18				
3	61	61.1										.17				
4	61	61.2										.16				
5	50	49.7										.283				
6	40	40.5										.339				
7	33	32.9										.281				
8	33	32.5										.285				
9	33	32.8										.282				
10	30	30.0										.288				
11	20	20.4										.283				
12																

CTD AFTER DEPTH
@ SITE 2
CAST 1 OF 2
MAX. DEPTH = 68.5 m

Jellies

VESSEL		PROJECT & LEG		STATION DESIGNATION	
NOAA R/V MILLER FREEMAN		MF-08-10 Leg II		Site 2	
CONSC CAST #	LATITUDE	LONGITUDE	DATE JD=	TIME (GMT)	DRY BULB (°C)
016	56 51.70 N	164 04.07 W	29 Sept 08	2223	09.49
DEG MIN	DEG MIN	DAY MO YR	HR MIN	(°C)	(°C)
CTD	TIMES	JD/TIME	DATA LOCATION		
TYPE & SN	DATA ON		Tape/Diskette ID	File Name/Header	REMARKS
9+ S/N 2067					65 m w/o
PRESS SN	START DOWN		MF-08-10 Leg II	CTD 016	083022B post
2067					1-plot
PRI COND SN	AT DEPTH				
915					
PRI TEMP SN	AT SURFACE				MAX. DEPTH = 67.5 m
710					
SEC COND SN					
535					
SEC TEMP SN					
884					
<input checked="" type="checkbox"/> PAR 4242 <input checked="" type="checkbox"/> WETSTAR 728P <input type="checkbox"/> 1° Dissolved Oxygen <input type="checkbox"/> 2° Dissolved Oxygen		<input type="checkbox"/> T-cline 23 m			
POS.	TRIP DEPTH	CTD CONVERTED MONITOR VALUES			<input type="checkbox"/> Cleaned air bleed valve
		PRESSURE	PRI. TEMP.	SEC. TEMP.	PRI. SALINITY
1	5 off	67.2			
2					
3					
4					
5					
6					
7					
8					
9					
10					
11					
12					
		SAMPLE BOTTLE DATA	SAMPLE BOTTLE NUMBER		
		SAL.	MORDY'S NUTR.	CHL.	WHIT'S NUTR.
		34			