

VESSEL NOAA Ship MILLER FREEMAN										PROJECT & LEG MF-02-08 Leg 3										COD I.D.										STATION DESIGNATION																																																																						
CONSECUTIVE CAST #	LATITUDE										LONGITUDE										DATE										TIME		DRY		WET		PRESSURE	SEA STATE	VISIBILITY	WIND	DIRECTION	WIND SPEED	CLOUD (amt)	TYPE	WEATHER	BOTTOM		STATION																																																				
	DEG		MIN								DEG		MIN								DAY	MO	YR	HR	MIN	°C	°C	mb	deg	knt's				DEPTH	NAME / ID																																																																	
	0	1	5	4	1	7	8	6	1	6	4	4	8	7	3	1	J	U	L	0	2	2	2	5	7	1	1	3	1	1	0	3	1	2	8	2										9	0	4	4	0	1	8	0	8	C	T	D	1																																										
SBE 9+		91220										TIMES										DATA LOCATION										REMARKS																																																																				
PRESS SN		80020										DATA ON										Tape/Diskette ID										File Name/Header																																																																				
PRI TEMP SN		710										START DOWN																																																																																								
SEC TEMP SN		884										AT DEPTH																																																																																								
PRI COND SN		915										AT SURFACE																																																																																								
SEC COND SN		530										<input type="checkbox"/> PAR S/N=										<input type="checkbox"/> FLUOR S/N=										<input type="checkbox"/> ChLAM S/N=																																																																				
POSITION	CTD CONVERTED MONITOR VALUES																																								SAMPLE BOTTLE										SAMPLE BOTTLE NUMBER																																																	
	TRIP DEPTH										PRESSURE										PRIMARY TEMP										SECONDARY TEMP										SALINITY										DATA										SALINITY										SAL		NUTR		CHL		WHIT's NUTR																							
1																																																																																											1		0		2					
2																																																																																																				
3																																																																																																				
4																																																																																																				
5																																																																																																				
6																																																																																																				
7																																																																																																				
8																																																																																																				
9																																																																																																				
10																																																																																																				
11																																																																																																				
12																																																																																																				

VESSEL NOAA Ship MILLER FREEMAN										PROJECT & LEG MF-02-08 Leg 3										COD I.D.										STATION DESIGNATION																																																																	
CONSECUTIVE CAST #	LATITUDE										LONGITUDE										DATE										TIME					DRY					WET					PRESSURE	SEA STATE	VISIBILITY	WIND	DIRECTION	WIND SPEED	CLOUD (amt)	TYPE	WEATHER	BOTTOM					STATION																																			
	DEG MIN										DEG MIN										DAY MO YR					HR MIN					°C					°C					mb														deg					knt's																																			
	0 3 5 7 4 0 . 8 2 1										1 5 5 1 2 . 6 3										0 2 A U G 0 2					1 8 1 1 1 2 . 6 1 2 . 1					2 7 2 5 2 4 5					10 8 7 2					2 9 3 C T D 3																																																						
SBE 9+ 91220										TIMES										DATA LOCATION										REMARKS																																																																	
PRESS SN 80020										DATA ON										Tape/Diskette ID										File Name/Header																																																																	
PRI TEMP SN 710										START DOWN																																																																																					
SEC TEMP SN 884										AT DEPTH																														<input checked="" type="checkbox"/> Cleaned air bleed valve																																																							
PRI COND SN 915										AT SURFACE																														MAX. DEPTH (m)																																																							
SEC COND SN 530										<input type="checkbox"/> PAR S/N=										<input type="checkbox"/> FLUOR S/N=										<input type="checkbox"/>										ChLAM S/N=																																																							
POSITION	CTD CONVERTED MONITOR VALUES																														SAMPLE BOTTLE										SAMPLE BOTTLE NUMBER																																																						
	TRIP DEPTH										PRESSURE										PRIMARY TEMP										SECONDARY TEMP										SALINITY										DATA										SALINITY										SAL					NUTR					CHL					WHIT's NUTR									
1																																																																																	4 0														
2																																																																																															
3																																																																																															
4																																																																																															
5																																																																																															
6																																																																																															
7																																																																																															
8																																																																																															
9																																																																																															
10																																																																																															
11																																																																																															
12																																																																																															

VESSEL NOAA Ship MILLER FREEMAN										PROJECT & LEG MF-02-08 Leg 3					COD I.D.				STATION DESIGNATION																												
CONSECUTIVE CAST #	LATITUDE					LONGITUDE					DATE			TIME GMT		DRY BULB	WET BULB	PRESSURE	SEA STATE	VISIBILITY	WIND	DIRECTION	WIND SPEED	CLOUD (amt)	TYPE	WEATHER	BOTTOM DEPTH	STATION NAME / ID																			
	DEG	MIN				DEG	MIN			DAY	MO	YR	HR	MIN	°C	°C	mb				deg	knt's																									
04	5	7	3	7	2	3	1	5	5	0	4	1	7	0	2	AUG	0	2	1	9	1	0	1	2	0	1	1	5	2	7	2	6	2	1	5	10	8	7	2		2	4	6	C	T	D	4
SBE 9+		91220					TIMES					DATA LOCATION					REMARKS																														
PRESS SN		80020					DATA ON					Tape/Diskette ID					File Name/Header																														
PRI TEMP SN		710					START DOWN																																								
SEC TEMP SN		884					AT DEPTH															<input checked="" type="checkbox"/> Cleaned air bleed valve																									
PRI COND SN		915					AT SURFACE															MAX. DEPTH (m)																									
SEC COND SN		530					<input type="checkbox"/> PAR S/N=					<input type="checkbox"/> FLUOR S/N=					<input type="checkbox"/>					ChLAM S/N= <input type="checkbox"/>																									
POSITION	CTD CONVERTED MONITOR VALUES																												SAMPLE BOTTLE		SAMPLE BOTTLE NUMBER																
	TRIP DEPTH	PRESSURE				PRIMARY TEMP				SECONDARY TEMP				SALINITY				SALINITY				SAL	NUTR	CHL	WHIT's NUTR																						
1																							3	5																							
2																																															
3																																															
4																																															
5																																															
6																																															
7																																															
8																																															
9																																															
10																																															
11																																															
12																																															

VESSEL										PROJECT & LEG						COD I.D.				STATION DESIGNATION							
NOAA Ship MILLER FREEMAN										MF-02-08 Leg 3																	
CONSECUTIVE CAST #	LATITUDE				LONGITUDE				DATE			TIME		DRY	WET	PRESSURE	SEA STATE	VISIBILITY	WIND	DIRECTION	WIND SPEED	CLOUD (amt)	TYPE	WEATHER	BOTTOM	STATION	
	DEG	MIN			DEG	MIN			DAY	MO	YR	HR	MIN	BULB °C	BULB °C	mb			deg	knt's					DEPTH	NAME / ID	
05	57	28	.8	59	15	44	.9	10	02	AUG	02	22	09	11.6	11.1	1026	2	7	219		68	72			201	CTD 5	
SBE 9+	91220				TIMES			DATA LOCATION					REMARKS														
PRESS SN	80020				DATA ON _____			Tape/Diskette ID _____ File Name/Header _____																			
PRI TEMP SN	710				START DOWN _____																						
SEC TEMP SN	884				AT DEPTH _____								<input checked="" type="checkbox"/> Cleaned air bleed valve														
PRI COND SN	915				AT SURFACE _____								MAX. DEPTH (m) _____														
SEC COND SN	530				<input type="checkbox"/> PAR S/N= _____			<input type="checkbox"/> FLUOR S/N= _____					ChLAM S/N= _____														
POSITION	CTD CONVERTED MONITOR VALUES														SAMPLE BOTTLE		SAMPLE BOTTLE NUMBER										
	TRIP DEPTH	PRESSURE			PRIMARY TEMP			SECONDARY TEMP			SALINITY			DATA		SALINITY		SAL	NUTR	CHL	WHIT'S NUTR						
1																08											
2																											
3																											
4																											
5																											
6																											
7																											
8																											
9																											
10																											
11																											
12																											

VESSEL NOAA Ship MILLER FREEMAN										PROJECT & LEG MF-02-08 Leg 3					COD I.D.					STATION DESIGNATION																						
CONSECUTIVE CAST #	LATITUDE					LONGITUDE					DATE			TIME GMT		DRY BULB	WET BULB	PRESSURE	SEA STATE	VISIBILITY	WIND	DIRECTION	WIND SPEED	CLOUD (amt)	TYPE	WEATHER	BOTTOM DEPTH	STATION NAME / ID														
	DEG	MIN				DEG	MIN			DAY	MO	YR	HR	MIN	°C	°C	mb			deg	knt's																					
06	5	7	2	8	3	7	8	1	5	4	4	2	5	0	3	AUG	02	00	43	13	5	1	2	5	2	6	2	7	2	3	0	12	6	7	1		6	4	C	T	D	6
SBE 9+		91220					TIMES					DATA LOCATION					REMARKS																									
PRESS SN		80020					DATA ON					Tape/Diskette ID					File Name/Header																									
PRI TEMP SN		710					START DOWN																																			
SEC TEMP SN		884					AT DEPTH															<input checked="" type="checkbox"/> Cleaned air bleed valve																				
PRI COND SN		915					AT SURFACE															MAX. DEPTH (m)																				
SEC COND SN		530					<input type="checkbox"/> PAR S/N=					<input type="checkbox"/> FLUOR S/N=					<input type="checkbox"/>					ChLAM S/N= <input type="checkbox"/>																				
POSITION	CTD CONVERTED MONITOR VALUES																												SAMPLE BOTTLE		SAMPLE BOTTLE NUMBER											
	TRIP DEPTH	PRESSURE				PRIMARY TEMP				SECONDARY TEMP				SALINITY				SALINITY				SAL	NUTR	CHL	WHIT's NUTR																	
1																						4	1																			
2																																										
3																																										
4																																										
5																																										
6																																										
7																																										
8																																										
9																																										
10																																										
11																																										
12																																										

VESSEL NOAA Ship MILLER FREEMAN										PROJECT & LEG MF-02-08 Leg 3										COD I.D.										STATION DESIGNATION																																																																						
CONSECUTIVE CAST #	LATITUDE										LONGITUDE										DATE										TIME					DRY					WET					PRESSURE					SEA STATE					VISIBILITY					WIND					DIRECTION					WIND SPEED					CLOUD (amt)					TYPE					WEATHER					BOTTOM					STATION				
	DEG MIN										DEG MIN										DAY MO YR										HR MIN					°C					°C					mb															deg					knt's																				DEPTH					NAME / ID									
	0 7 5 7 3 0 . 7 0 1										1 1 5 4 4 7 . 0 6										0 3 A U G 0 2 0 1 2 1										1 3 . 5 1 2 . 5					2 6 2 7 2 3 0					12 7 7 2										2 1 2					C T D 7																																												
SBE 9+ 91220										TIMES										DATA LOCATION										REMARKS																																																																						
PRESS SN 80020										DATA ON										Tape/Diskette ID										File Name/Header																																																																						
PRI TEMP SN 710										START DOWN																																																																																										
SEC TEMP SN 884										AT DEPTH																														<input checked="" type="checkbox"/> Cleaned air bleed valve																																																												
PRI COND SN 915										AT SURFACE																														MAX. DEPTH (m)																																																												
SEC COND SN 530										<input type="checkbox"/> PAR S/N=										<input type="checkbox"/> FLUOR S/N=										<input type="checkbox"/>										ChLAM S/N= <input type="checkbox"/>																																																												
POSITION	CTD CONVERTED MONITOR VALUES																														SAMPLE BOTTLE										SAMPLE BOTTLE NUMBER																																																											
	TRIP DEPTH										PRESSURE										PRIMARY TEMP										SECONDARY TEMP										SALINITY										DATA										SALINITY										SAL					NUTR					CHL					WHIT's NUTR														
1																																																																																	1 9																			
2																																																																																																				
3																																																																																																				
4																																																																																																				
5																																																																																																				
6																																																																																																				
7																																																																																																				
8																																																																																																				
9																																																																																																				
10																																																																																																				
11																																																																																																				
12																																																																																																				

VESSEL										PROJECT & LEG										COD I.D.										STATION DESIGNATION									
NOAA Ship MILLER FREEMAN										MF-02-08 Leg 3																													
CONSECUTIVE CAST #	LATITUDE					LONGITUDE					DATE					TIME		DRY		WET		PRESSURE	SEA STATE	VISIBILITY	WIND	DIRECTION	WIND SPEED	CLOUD (amt)	TYPE	WEATHER	BOTTOM			STATION					
	DEG	MIN	SEC	DEC	MIN	SEC	DEC	DAY	MO	YR	HR	MIN	BULB	BULB	BULB	BULB	mb	deg	knt's	deg	ft										ft	ft	ft	ft	ft	ft	ft	ft	ft
08	57	33	07	15	45	25	4	03	AUG	02	02	03	13	51	2	5	26	38	18	0	8	8	7	2	2	2	8	C	T	D	8								
SBE 9+ 91220										TIMES					DATA LOCATION					REMARKS																			
PRESS SN 80020										DATA ON					Tape/Diskette ID					File Name/Header																			
PRI TEMP SN 710										START DOWN																													
SEC TEMP SN 884										AT DEPTH															<input checked="" type="checkbox"/> Cleaned air bleed valve														
PRI COND SN 915										AT SURFACE															MAX. DEPTH (m)														
SEC COND SN 530										<input type="checkbox"/> PAR S/N=					<input type="checkbox"/> FLUOR S/N=					<input type="checkbox"/>					ChLAM S/N= <input type="checkbox"/>														
POSITION	CTD CONVERTED MONITOR VALUES															SAMPLE BOTTLE					SAMPLE BOTTLE NUMBER																		
	TRIP	PRESSURE				PRIMARY TEMP				SECONDARY TEMP				SALINITY				SALINITY				SAL	NUTR	CHL	WHIT'S														
1	DEPTH																					39																	
2																																							
3																																							
4																																							
5																																							
6																																							
7																																							
8																																							
9																																							
10																																							
11																																							
12																																							

