

Consec. Cast # 001			Vessel NOAA Ship Miller Freeman			Proj. & Leg MF-89-06, Leg II			Event#	Vessel Sta. I.D.			Instructions										Sta. Designation M29							
Consec. Cast #		Latitude N or S			Longitude E or W			Date JD = 268 Day Mo. Yr.			Time GMT Hr. Min.		Dry Bulb		Wet Bulb		Bar. mb	S.S.	Vis.	Wind Dir.		Wind Sp.		Cloud	Type	Weath.	Bottom Depth, m		Sta. Name or I.D.	
001		5644 22 N			15522 21 W			25 SEP 89			18 59		14 0		12 0		08	38	26	510		28		1	204		M29			
CTD Type & SN SBE 91220-B					Monitor Checks					Times JD/Time					Data Location															
Press. SN 26072					on Deck at Surface					Data on					Tape/Diskette I.D.					File Name/Header										
Temp. SN 710					Press. 0.42 2.95					at Surface 1851					SEP89					001.DAT										
Cond. SN 304					Temp. 9.9671 10.4858					Start Down 1851																				
					Cond.					at Bottom 1858																				
					Other 0.9138 30.7374					Start Up 1859																				
										at Surface																				
										Data off																				
Pos	Bot.	T Rack	Trip Depth	Time @		Monitor Values				Conv. Mon. Values-CTD				Sample Bot. Data			Sal. Bot. #	Other Samp.	Pos											
				Depth	Trip	Press.	Temp.	Cond.	Other	Press.	Temp.	Cond.	Sal.	Therm-P	Avg Tw	Sal.														
1																			1											
2																			2											
3																			3											
4																			4											
5																			5											
6																			6											
7																			7											
8																			8											
9																			9											
10																			10											
11	2	A	180	185944	190448					181.82	5.0096		323051	176.3	5.00	33.3046	20		11											
12																			12											

Initials

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Consec. Cast # 002			Vessel NOAA Ship Miller Freeman			Proj. & Leg MF-89-06, Leg II			Event# 058			Vessel Sta. I.D.			Instructions										Sta. Designation M26 M27						
Consec. Cast #		Latitude N or S			Longitude E or W			Date JD = 268 Day Mo. Yr.			Time GMT Hr. Min.		Dry Bulb		Wet Bulb		Bar. mb 1009.9		S.S.	Vis.	Wind Dir.		Wind Sp.		Cloud	Type	Weath.	Bottom Depth, m		Sta. Name or I.D.	
002		564712 N			1552835 W			25 SEP 89			2129		120		90		103		8	26	510		281		251		26/27				
CTD Type & SN SBE 91220-B					Monitor Checks										Times JD/Time					Data Location											
Press. SN 26072					on Deck					at Surface					Data on					Tape/Diskette I.D.					File Name/Header						
Temp. SN 710					Press. 0.48					3.19					at Surface					SEP89					002.DAT						
Cond. SN 304					Temp. 9.1265					10.4247					Start Down																
					Cond.										at Bottom																
					Other 0.0000					30.7532					Start Up																
															at Surface																
															Data off																
																				Remarks											

  

Stn. #	Bot. Rack	Trip Depth	Time @		Monitor Values				Conv. Mon. Values-CTD				Sample Bot. Data			Sal. Bot. #	Other Samp.	Stn. #
			Depth	Trip	Press.	Temp.	Cond.	Other	Press.	Temp.	Cond.	Sal.	Therm-P	Avg Tw	Sal.			
1	0	50		2133					50.11	8.0514		31.6636			31.6705	35		1
2																	2	
3																	3	
4																	4	
5																	5	
6																	6	
7																	7	
8																	8	
9																	9	
10																	10	
11																	11	
12																	12	

Initials

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Consec. Cast # 003		Vessel NOAA Ship Miller Freeman		Proj. & Leg MF-89-06, Leg II		Event # 61		Vessel Sta. I.D.		Instructions										Sta. Designation M28												
Consec. Cast #		Latitude N or S		Longitude E or W		Date JD = 268 Day Mo. Yr.			Time GMT Hr. Min.		Dry Bulb		Wet Bulb		Bar. mb		S.S.		Vis.		Wind Dir.		Wind Sp.		Cloud Type		Weath.		Bottom Depth, m		Sta. Name or I.D.	
003		56 51 18 N		155 37 63 W		25 SEP 89			23 44		12 1		10 5		10 3		82		20 10		38 1		284				M28					

CTD Type & SN SBE 91220-B  
 Press. SN 26072  
 Temp. SN 710  
 Cond. SN 304

Monitor Checks  
 on Deck at Surface  
 Press. 0.46 4.05  
 Temp. 10.3989 10.8871  
 Cond.   
 Other 1.1190 30.1914

Times JD/Time  
 Data on   
 at Surface 2334  
 Start Down 2334  
 at Bottom 2343  
 Start Up 2344  
 at Surface   
 Data off

Data Location  
 Tape/Diskette I.D. SEP89 File Name/Header 003.DAT  
 Remarks

Data On _____																			
Pos.	Bot.	T Rack	Trip Depth	Time @		Monitor Values				Conv. Mon. Values-CTD				Sample Bot.Data			Sal. Bot. #	Other Samp.	Pos.
				Depth	Trip	Press.	Temp.	Cond.	Other	Press.	Temp.	Cond.	Sal.	Therm-P	Avg Tw	Sal.			
1			275		2240					278.14	5.0714		33.5155			35.5153	14		1
2																			2
3																			3
4																			4
5																			5
6																			6
7																			7
8																			8
9																			9
10																			10
11																			11
12																			12

Initials

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Consec. Cast # 004		Vessel NOAA Ship Miller Freeman		Proj. & Leg MF-89-06, Leg II		Event # 63		Vessel Sta. I.D.		Instructions										Sta. Designation m25														
Consec. Cast #		Latitude Deg. Min. N or S			Longitude Deg. E or W			Date JD = 269 Day Mo. Yr.			Time GMT Hr. Min.		Dry Bulb		Wet Bulb		Bar. mb		S.S.		Vis.		Wind Dir.		Wind Sp.		Cloud Type		Weath.		Bottom Depth, m		Sta. Name or I.D.	
004		565257 N			1554083 W			26 SEP 89			0019																		290		m25			
CTD Type & SN SBE 91220-B				Monitor Checks								Times JD/Time				Data Location																		
Press. SN 26072				on Deck				at Surface				Data on				Tape/Diskette I.D.				File Name/Header														
Temp. SN 710				Press. 0.47				3.91				at Surface 0011				SEP89				004.DAT														
Cond. SN 304				Temp. 8.8233				11.0754				Start Down 0011																						
				Cond.								at Bottom 0019																						
				Other 0.0439				29.9111				Start Up 0020																						
												at Surface																						
												Data off																						
St. No.		Bot. Rack		Trip Depth		Time @ Depth Trip		Monitor Values				Conv. Mon. Values-CTD				Sample Bot. Data				Sal. Bot. #		Other Samp.		St. No.										
								Press.		Temp.		Cond.		Other		Press.		Temp.		Cond.		Sal.		Therm-P		Avg Tw		Sal.						
1						002055 002605										254.62		5.0413				33.4602		250		5.03		33.4591		26		1		
2																																2		
3																																3		
4																																4		
5																																5		
6																																6		
7																																7		
8																																8		
9																																9		
10																																10		
11																																11		
12																																12		

Initials

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Consec. Cast #		Vessel NOAA Ship		Proj. & Leg		Event#		Vessel Sta. I.D.		Instructions										Sta. Designation			
005		Miller Freeman		MF-89-06, Leg II		65														M24			
Consec. Cast #	Latitude			Longitude			Date JD = 269			Time GMT		Dry Bulb	Wet Bulb	Bar. mb	S.S.	Vis.	Wind Dir.	Wind Sp.	Cloud	Type	Weath.	Bottom Depth, m	Sta. Name or I.D.
	Deg.	Min.	N or S	Deg.	E or W	Day	Mo.	Yr.	Hr.	Min.													
005	56	55	47 N	155	46	52 W	26	SEP	89	01	14	12	01	02	10	38	22	50	93	61		301	M24
CTD Type & SN		SBE 91220-B		Monitor Checks								Times JD/Time				Data Location							
Press. SN		26072		on Deck				at Surface				Data on				Tape/Diskette I.D.							
Temp. SN		710		Press. 0.34				3.62				at Surface 0106				SEP89							
Cond. SN		304		Temp. 10.3850				11.1070				Start Down 0106				File Name/Header							
				Cond.								at Bottom 0114				005.DAT							
				Other 0.5357				29.6494				Start Up 0114											
												Data off				Remarks							
Pos.	Bot. Rack	T	Trip Depth	Time @		Monitor Values				Conv. Mon. Values-CTD				Sample Bot. Data			Sal. Bot. #	Other Samp.	Pos.				
				Depth	Trip	Press.	Temp.	Cond.	Other	Press.	Temp.	Cond.	Sal.	Therm-P	Avg Tw	Sal.							
1			293		0114					296.32	5.0522		33.4557			33.4717	21		1				
2																			2				
3																			3				
4																			4				
5																			5				
6																			6				
7																			7				
8																			8				
9																			9				
10																			10				
11																			11				
12																			12				

Initials

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Consec. Cast # 006		Vessel NOAA Ship Miller Freeman		Proj. & Leg MF-89-06, Leg II		Event # 67		Vessel Sta. I.D.		Instructions										Sta. Designation M23														
Consec. Cast #		Latitude N or S Deg. Min.			Longitude E or W Deg.			Date JD = 269 Day Mo. Yr.			Time GMT Hr. Min.		Dry Bulb		Wet Bulb		Bar. mb		S.S.		Vis.		Wind Dir.		Wind Sp.		Cloud Type		Weath.		Bottom Depth, m		Sta. Name or I.D.	
006		565889 N			1555280 W			26 SEP 89			0204		119		107		103		82		301		236		1		314		M23					

CTD Type & SN SBE 91220-B		Monitor Checks				Times JD/Time				Data Location			
Press. SN 26072		on Deck		at Surface		Data on				Tape/Diskette I.D.		File Name/Header	
Temp. SN 710		Press. 0.43		4.87		at Surface 0156				SEP89		006.DAT	
Cond. SN 304		Temp. 8.9856		11.0802		Start Down 0156							
		Cond.				at Bottom 0204							
		Other 0.0817		29.5436		Start Up 0205				Remarks			
						at Surface							
						Data off							

Stn. No.	Bot. Rack	T	Trip Depth	Time @		Monitor Values				Conv. Mon. Values-CTD				Sample Bot. Data			Sal. Bot. #	Other Samp.	Stn. No.
				Depth	Trip	Press.	Temp.	Cond.	Other	Press.	Temp.	Cond.	Sal.	Therm-P	Avg Tw	Sal.			
1			150		0208					150.40	4.3132		32.5364			32.5286	23		1
2																			2
3																			3
4																			4
5																			5
6																			6
7																			7
8																			8
9																			9
10																			10
11																			11
12																			12

Initials ✓

Consec. Cast # 007		Vessel NOAA Ship Miller Freeman		Proj. & Leg MF-89-06, Leg II		Event #		Vessel Sta. I.D.		Instructions										Sta. Designation Ma														
Consec. Cast #		Latitude N or S			Longitude E or W			Date JD = 270 Day Mo. Yr.			Time GMT Hr. Min.		Dry Bulb		Wet Bulb		Bar. mb		S. S.		Vis.		Wind Dir.		Wind Sp.		Cloud Type		Weath.		Bottom Depth, m		Sta. Name or I.D.	
007		570325 N			1560595 W			27 SEP 89			23 36		11 6		10 7		10 3		8 0		8 0		1 2		7 6		1 1		110		Ma			

CTD Type & SN SBE 91220-B		Monitor Checks				Times JD/Time				Data Location			
Press. SN 26072		on Deck		at Surface		Data on				Tape/Diskette I.D.		File Name/Header	
Temp. SN 710		Press. 0.45		3.22		at Surface 2332				SEP89		007.DAT	
Cond. SN 304		Temp. 10.6801		10.7596		Start Down 2332							
		Cond.				at Bottom 2336							
		Other 1.1935		28.8796		Start Up 2336							
						at Surface							
						Data off							
												Remarks	

Pos.	Bot.	T Rack	Trip Depth	Time @		Monitor Values				Conv. Mon. Values-CTD				Sample Bot. Data			Sal. Bot. #	Other Samp.	Pos.
				Depth	Trip	Press.	Temp.	Cond.	Other	Press.	Temp.	Cond.	Sal.	Therm-P	Avg Tw	Sal.			
1										97.95	7.0215		31.9010						1
2																			2
3																			3
4																			4
5																			5
6																			6
7																			7
8																			8
9																			9
10																			10
11																			11
12																			12

Initials \_\_\_\_\_



Consec. Cast #		Vessel NOAA Ship		Proj. & Leg		Event #		Vessel Sta. I.D.		Instructions										Sta. Designation					
008		Miller Freeman		MF-89-06, Leg II																M22					
Consec. Cast #	Latitude			N or S	Longitude			E or W	Date JD = 270			Time GMT		Dry Bulb	Wet Bulb	Bar. mb	S.S.	Vis.	Wind Dir.	Wind Sp.	Cloud	Type	Weath.	Bottom Depth, m	Sta. Name or I.D.
	Deg.	Min.			Deg.		Day		Mo.	Yr.	Hr.	Min.													
008	57	02	14	N	156	03	84	W	27	SEP	89	00	04	10	8	09	5	09	38	08	01	07	1	203	M22
CTD Type & SN		SBE 91220-B		Monitor Checks										Times JD/Time		Data Location									
Press. SN		26072		on Deck					at Surface					Data on		Tape/Diskette I.D.					File Name/Header				
Temp. SN		710		Press. 0.48					3.11					at Surface 2356		SEP89					008.DAT				
Cond. SN		304		Temp. 9.4690					10.7828					at Bottom 0003											
				Cond.										Start Up 0004											
				Other 0.0150					28.7747					at Surface		Remarks									
														Data off											

  

Stn. #	Bot. Rack	Trip Depth	Time @		Monitor Values				Conv. Mon. Values-CTD				Sample Bot. Data			Sal. Bot. #	Other Samp.	Pos.
			Depth	Trip	Press.	Temp.	Cond.	Other	Press.	Temp.	Cond.	Sal.	Therm-P	Avg Tw	Sal.			
1		100	000600	001100					101.40	6.5826		31.9939	6.58	98.7	31.9957	11		1
2																		2
3																		3
4																		4
5																		5
6																		6
7																		7
8																		8
9																		9
10																		10
11																		11
12																		12

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