



[illegible]



VESSEL		PROJ. & LEG		STATION										STA. DESIGNATION											
NOAAS MILLER FREEMAN		MF96-07																							
CONSC CAST #	LATITUDE		LONGITUDE		DATE JD=		TIME (GMT)		WET BULB	WIND DIR	WIND SP	CLOUD (amt)	WEATHER	BOTTOM DEPTH (m)	STA. NAME/ID										
	DEG	MIN	DEG	MIN	DAY	MO	YR	HR								MIN									
0045222.00	00N	17207.98	W	19	A	P	R	9	6	0	3	3.8	2.08	7	4	5	2	4	8	7	7	3	8	5	
CTD		TIMES		JD/TIME		DATA LOCATION										REMARKS									
TYPE & SN 911+, 92067		DATA ON		551		Tape/Diskette ID		File Name/Header																	
PRESS SN 30066		START DOWN						C10004																	
PRI TEMP SN 889		AT DEPTH		603																					
COND SN 530		AT SURFACE																							
SEC TEMP SN 701																									
POS.	TRIP DEPTH	CONV. MON. VALUES-CTD				SAMPLE BOTTLE DATA				SAL. BOT. #		OTHER SAMPLE													
		PRESS.	TEMP.	SAL.	TEMP.	THRM.P	SALINITY																		
1		491.646	3.5529	33.9045		3.5577						27													
2																									
3																									
4																									
5																									
6																									
7																									
8																									
9																									
10																									
11																									
12																									





































VESSEL		PROJ. & LEG		STA. DESIGNATION																									
NOAAS MILLER FREEMAN		MF96-07		CTD 21																									
CONSC CAST #	LATITUDE		LONGITUDE		DATE JD=	TIME (GMT)	DRY BULB	WET BULB	SS	VIS	WIND DIR.	WIND SP	CLOUD (amt)	TYPE	WEATHER	BOTTOM DEPTH (m)	STA. NAME/ID												
	DEG	MIN	DEG	MIN														DAY	MO	YR	HR	MIN							
02	15	22	28.40	N	17	03	46	3	W	21	A	P	R	96	2	1	39	5.8	4.2	9	4	3	8	0	1	3	0	9	
CTD		TIMES		JD/TIME		DATA LOCATION												REMARKS											
TYPE & SN 911+, 92067		DATA ON				Tape/Diskette ID												304 CTD											
PRESS SN 30066		START DOWN																Dagney											
PRI TEMP SN 889		AT DEPTH																											
COND SN 530		AT SURFACE																											
SEC TEMP SN 701																													
POS.	TRIP DEPTH	PRESS.		CONV. MON. VALUES-CTD		TEMP.		SAL.		SAMPLE BOTTLE DATA				SAL. BOT. #		OTHER SAMPLE													
1										THERM-P				SALINITY		40													
2																													
3																													
4																													
5																													
6																													
7																													
8																													
9																													
10																													
11																													
12																													

Quarantined site to highest all come  
0-30 mgl (old kind of Quarantined)  
PG 12 OF

VESSEL NOAAS MILLER FREEMAN		PROJ. & LEG MF96-07		STA. DESIGNATION CTD 22																																	
CONSC CAST #	LATITUDE		LONGITUDE		DATE JD= 114		TIME (GMT)		WET BULB	WIND DIR.	WIND SP	CLOUD (amt)	WEATHER	BOTTOM DEPTH (m)	STA. NAME/ID																						
	DEG	MIN	DEG	MIN	DAY	MO	YR	HR								MIN																					
02	25	65	1	80	N	16	40	3	10	W	23	A	P	9	6	03	13	2	5	1	9	9	1	3	8	0	4	0	1	4	6	8	1	7	3	6	8
CTD		TIMES		JD/TIME		DATA LOCATION										REMARKS																					
TYPE & SN 911+, 92067		DATA ON				Tape/Diskette ID										File Name/Header																					
PRESS SN 30066		START DOWN														CTD 022																					
PRI TEMP SN 889		AT DEPTH																																			
COND SN 530		AT SURFACE																																			
SEC TEMP SN 701																																					
POS.	TRIP DEPTH	PRESS.		CONV. MON. VALUES-CTD		TEMP.		SAL.		THERMP		SALINITY		SAL. BOT. #		OTHER SAMPLE																					
1	43	43.346		0.2430		31.7255																															
2	25	24.928		0.2602		31.7231																															
3	11	11.501		0.4363		31.7203																															
4																																					
5																																					
6																																					
7																																					
8																																					
9																																					
10																																					
11																																					
12																																					

How cable for this cast  
on 15 interval (ch 4)

VESSEL		NOAAS MILLER FREEMAN		PROJ. & LEG		MF96-07		STA. DESIGNATION		CTD023														
CONSC	CASE	#	LATITUDE		LONGITUDE		DATE JD=		TIME (GMT)		WET BULB		WIND DIR.		WIND SP		CLOUD (amt)		WEATHER		BOTTOM DEPTH (m)		STA. NAME/ID	
023565	11.94	N	1640	1.93	W	23	A	P	19	6	10	40	1.7	11.0	9	03	8	0	12	18	7	82	74	
CTD		TIMES		JD/TIME		DATA LOCATION		Tape/Diskette ID		File Name/Header		REMARKS												
TYPE & SN 911+, 92067		DATA ON										PAR (OK-0)												
PRESS SN 30066		START DOWN										Chloram (OK-2)												
PRI TEMP SN 889		AT DEPTH										Fluor (OK-4)												
COND SN 530		AT SURFACE										Fluor color switched												
SEC TEMP SN 701												so Fluor shows up as												
												Chloram (OK-4)												

  

TRIP		DEPTH		CONV. MON. VALUES-CTD		SAMPLE BOTTLE DATA		CHL		NUT		OTHER SAMPLE	
POS.		PRESS.	TEMP.	SAL.	THERMP	SALINITY							
1	300 (5)										1992	1	
2	60										1991		
3	43												
4	43												
5	43												
6	30										1990		
7	25												
8	25												
9	25												
10	20										1989		
11													
12													

gcaab/100  
10/8/91











VESSEL		NOAAS MILLER FREEMAN		PROJ. & LEG		MF96-07		STA. DESIGNATION		CTD 028															
CONSC CAST #		LATITUDE		LONGITUDE		DATE JD= 115		TIME (GMT)		WET BULB		DRY BULB		WIND DIR.		WIND		CLOUD (amt)		WEATHER		BOTTOM DEPTH (m)		STA. NAME/ID	
DEG MIN		DEG MIN		DEG MIN		DAY MO YR		HR MIN		WET BULB		DRY BULB		WIND DIR.		WIND		CLOUD (amt)		WEATHER		BOTTOM DEPTH (m)		STA. NAME/ID	
5651.90N		16402.88W		24 APR 96		1102		1.8		1.2		93		380		15		15		9		73			
CTD		TIMES		JD/TIME		DATA ON		Tape/Diskette ID		DATA LOCATION		REMARKS													
TYPE & SN 911+, 92067		PRESS SN 30066		PRI TEMP SN 889		COND SN 530		SEC TEMP SN 701																	
TRIP DEPTH		PRESS.		TEMP.		SAL.		SAMPLE BOTTLE DATA		THERMP		SALINITY		CHL		SAL. BOT. #		NUOT		OTHER SAMPLE					
1	800																								
2	50																								
3	40																								
4	30																								
5	20																								
6	10																								
7	0																								
8																									
9																									
10																									
11																									
12																									



VESSEL		NOAAS MILLER FREEMAN		PROJ. & LEG		MF96-07		STA. DESIGNATION		CTD030	
CONSC	CASE	LATITUDE		LONGITUDE		DATE JD=115		TIME (GMT)		WET BULB	
DEG	MIN	DEG	MIN	DAY	MO	YR	HR	MIN	DIR.	WIND	WIND DIR.
030	56	16	45	24	4	1996	15	25	2.6	2.0	93
5	3	N	1	W	2	4	1	5	2	3	8
0	3	N	1	W	2	4	1	5	2	3	8
CTD		TIMES		JD/TIME		DATA LOCATION		REMARKS		71	
TYPE & SN 911+, 92067		DATA ON		Tape/Diskette ID		File Name/Header		(P,C,F)		41	
PRESS SN 30066		START DOWN									
PRI TEMP SN 889		AT DEPTH									
COND SN 530		AT SURFACE									
SEC TEMP SN 701											
POS.	TRIP	CONV. MON. VALUES-CTD		SAMPLE BOTTLE DATA		CHL		SAL-BOT. #		OTHER SAMPLE	
1	50	PRESS.	TEMP.	SAL.	THERM-P	SALINITY		2011		2012	
2	50							2013		2014	
3	40							2015		2016	
4	30							2017		2018	
5	20										
6	10										
7	0										
8											
9											
10											
11											
12											









VESSEL		PROJ. & LEG		STA. DESIGNATION									
NOAAS MILLER FREEMAN		MF96-07											
CONSC CAST #	LATITUDE		LONGITUDE		DATE JD=	TIME (GMT)	WET BULB	WIND DIR.	WIND SP	CLOUD (amt)	WEATHER	BOTTOM DEPTH (m)	STA. NAME/ID
	DEG	MIN	DEG	MIN									
34	56	04	08	N	16	5	17	03	23	W	24	APR	96
CTD		TIMES		JD/TIME		DATA LOCATION							
TYPE & SN 911+, 92067		DATA ON				Tape/Diskette ID		File Name/Header					
PRESS SN 30066		START DOWN											
PRI TEMP SN 889		AT DEPTH											
COND SN 530		AT SURFACE											
SEC TEMP SN 701													
POS.	TRIP DEPTH	CONV. MON. VALUES-CTD				SAMPLE BOTTLE DATA				REMARKS		SAL. BOT. # OTHER SAMPLE	
1	11	PRESS.	TEMP.	SAL.	TEMP.	SAL.	TEMP.	SAL.					
2	11												
3	11												
4	0												
5													
6													
7													
8													
9													
10													
11													
12													

















VESSEL		NOAAS MILLER FREEMAN		PROJ. & LEG		MF96-07		STA. DESIGNATION															
CONSC CAST #		LATITUDE		LONGITUDE		DATE JD= 119		TIME (GMT)		WET BULB		WIND DIR.		WIND SP		CLOUD (amt)		WEATHER		BOTTOM DEPTH (m)		STA. NAME/ID	
425740.70N		15516.87W		28 APR 96		1608		1.7		1.0		3731032		861		300		295					
CTD		TYPE & SN 911+, 92067		DATA ON		TAPES/DISKETTE ID		DATA LOCATION		Tape/Diskette ID		File Name/Header		REMARKS									
PRESS SN 30066		START DOWN																					
PRI TEMP SN 889		AT DEPTH																					
COND SN 530		AT SURFACE																					
SEC TEMP SN 701																							
TRIP DEPTH		CONV. MON. VALUES-CTD		PRESS.		TEMP.		SAL.		THERMP		SALINITY		SAL. BOT. #		OTHER SAMPLE							
1		288.160		4.8630		33.3334		35															
2																							
3																							
4																							
5																							
6																							
7																							
8																							
9																							
10																							
11																							
12																							

REMARKS  
prior to recovery of  
F-9601

