

[illegible]

VESSEL				PROJECT & LEG				STATION DESIGNATION																													
NOAAS MILLER FREEMAN				MF97-05, Leg 2				STA 2 HAUL 1																													
CONSC CAST #	LATITUDE		LONGITUDE		DATE JD= 124		TIME (GMT)		WET BULB (°C)	PRESSURE (mb)	SEA STATE	VISIBILITY	WIND DIRN. (deg)	WIND SPD. (kts)	CLOUD (amt)	WEATHER	BOTTOM DEPTH (m)	STA. NAME/ID																			
	DEG	MIN	DEG	MIN	DAY	MO	YR	HR											MIN																		
002	53	26.175	N	168	46.39	W	04	M	A	Y	9	7	10	16	05	0	03	2	15	4	7	1	5	17	6	6	1	1	0	9	0	0	0	2			
<div>Port Side CTD</div> <div> <div>TYPE / SN SBE 9+ 91660</div> <div>PRESS SN 29772</div> <div>TEMP SN 1:889 2:701</div> <div>COND SN 1:530 2:303</div> </div>																			<div>DATA LOCATION</div> <div> <div>Tape/Diskette ID</div> <div>File Name/Header</div> </div>																		
<div>TIMES</div> <div> <div>DATA ON</div> <div>START DOWN</div> <div>AT DEPTH</div> <div>AT SURFACE</div> </div>																			<div>REMARKS</div> <div> <div>w/o = 1110</div> </div>																		
<div>MAX. DEPTH = 1059 m</div>																																					

[illegible]

[illegible]

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[illegible]



[illegible]

[illegible]

[illegible]

[illegible]



VESSEL		PROJECT & LEG		STATION DESIGNATION															
NOAAS MILLER FREEMAN		MF97-05, Leg 2		STA 12 HAUL 2															
CONSC CAST #	LATITUDE		LONGITUDE		DATE JD= 125	TIME (GMT)	DRY BULB (°C)	WET BULB (°C)	PRESSURE (mb)	SEA STATE	WIND DIRN. (deg)	WIND SPD. (kts)	CLOUD (amt)	WEATHER	BOTTOM DEPTH (m)	STA. NAME/ID			
	DEG	MIN	DEG	MIN													DAY	MO	YR
014	55	22.66	N	168	10.66	W	05	M	A	Y	97	19	45	5.1	4.7	11.4	761	482	012
<div> <div>Port Side CTD</div> <div> <div>TYPE / SN SBE 9+ 91660</div> <div>PRESS SN 29772</div> <div>TEMP SN 1:889 2:701</div> <div>COND SN 1:530 2:303</div> </div> </div>																			
<div> <div>DATA ON 125/</div> <div>START DOWN</div> <div>AT DEPTH</div> <div>AT SURFACE</div> </div>																			
<div> <div>Tape/Diskette ID</div> <div>File Name/Header</div> </div>																			
<div> <div>CTD Φ14</div> </div>																			
<div> <div>MAX. DEPTH = 16 m</div> </div>																			
<div> <div>REMARKS</div> <div>water for productivity</div> <div>experiment</div> </div>																			
<div> <div>DATA LOCATION</div> <div>SEA-BIRD 9/11+ CTD DATA</div> </div>																			
<div> <div>TRIP</div> <div>DEPTH</div> </div>																			
1	16																		
2	10																		
3	7																		
4	4																		
5	2																		
6	0																		
7																			
8																			
9																			
10																			
11																			
12																			



VESSEL		PROJECT & LEG		STATION DESIGNATION																			
NOAAS MILLER FREEMAN		MF97-05, Leg 2		Sta 13 Hand 2																			
CONSC CAST #	LATITUDE		LONGITUDE		DATE JD= 125	TIME (GMT)	DRY BULB (°C)	WET BULB (°C)	PRESSURE (mb)	SEA STATE	WIND DIRN. (deg)	WIND SPD. (kts)	CLOUD (amt)	WEATHER	BOTTOM DEPTH (m)	STA. NAME/ID							
	DEG	MIN	DEG	MIN													DAY	MO	YR	HR	MIN		
016	55	26	N	168	04	73	W	05	M	A	Y	97	22	18	6.7	5.2	1337	100	08	76	1	201	013
Port Side CTD		TIMES		JD / TIME		DATA LOCATION												REMARKS					
TYPE / SN SBE 9+ 91660		DATA ON				Tape/Diskette ID		File Name/Header														Second cont for samples	
PRESS SN 29772		START DOWN																					
TEMP SN 1:889 2:701		AT DEPTH																					
COND SN 1:530 2:303		AT SURFACE																					
		<input checked="" type="checkbox"/> PAR		<input checked="" type="checkbox"/> FLUOR		<input checked="" type="checkbox"/> CHIAM		<input type="checkbox"/> TAPS6		<input type="checkbox"/> TAPS4													
SEA-BIRD 9/11+ CTD DATA																							
TRIP	POS.	PRESSURE	PRI. TEMP	SEC. TEMP	SALINITY	PAR	FLUOR	CHIAM	SAMPLE BOTTLE DATA	SAL.	NUTRIENT	CHLOR											
1	40																						
2	16																						
3	10																						
4	7																						
5	4																						
6	2																						
7	0																						
8																							
9																							
10																							
11																							
12																							

MAX. DEPTH = 42 m



[illegible]

[illegible]

[illegible]

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[illegible]

[illegible]

[illegible]



VESSEL		PROJECT & LEG		STATION DESIGNATION														
NOAAS MILLER FREEMAN		MF97-05, Leg 2		STA 21 HAUL 1														
CONSC CAST #	LATITUDE		LONGITUDE		DATE	TIME	WET BULB (°C)	DRY BULB (°C)	PRESSURE (mb)	SEA STATE	WIND DIRN. (deg)	WIND SPD. (kts)	CLOUD (amt)	WEATHER	BOTTOM DEPTH (m)	STA. NAME/ID		
	DEG	MIN	DEG	MIN	DAY	MO											YR	HR
025555.07	N	16609.67	W	06	M	A	Y	9	7	1250	3.0	2.5	1827	0600	7	541	123	021
Port Side CTD		TIMES		JD / TIME		DATA LOCATION												
TYPE / SN SBE 9+ 91660		DATA ON		126 / 1244		Tape/Diskette ID File Name/Header												
PRESS SN 29772		START DOWN		1244		CTD 25												
TEMP SN 1:889 2:701		AT DEPTH		1249														
COND SN 1:530 2:303		AT SURFACE																
		<input checked="" type="checkbox"/> PAR		<input checked="" type="checkbox"/> FLUOR		<input checked="" type="checkbox"/> CHIAM		<input type="checkbox"/> TAPS6		<input type="checkbox"/> TAPS4								
SEA-BIRD 9/11+ CTD DATA																		
POS.	TRIP DEPTH	PRESSURE	PRI TEMP	SEC TEMP	SALINITY	PAR	FLUOR	CHIAM	SALINITY	SAMPLE BOTTLE DATA	SAMPLE BOTTLE NUMBER	SAL.	NUTRIENT	CHLOR				
1	117											26	N.P.					
2	100												605					
3	80																	
4	70																	
5	60																	
6	50																	
7	40																	
8	30																	
9	20																	
10	10																	
11	0												604					
12																		

MAX. DEPTH = 118 m



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VESSEL		PROJECT & LEG		STATION DESIGNATION																			
NOAAS MILLER FREEMAN		MF97-05, Leg 2		STA 23 HAUL 2																			
CONSC CAST #	LATITUDE		LONGITUDE		DATE JD= 126		TIME (GMT)		WET BULB (°C)	PRESSURE (mb)	SEA STATE	WIND DIRN. (deg)	WIND SPD. (kts)	CLOUD (amt)	WEATHER	BOTTOM DEPTH (m)	STA. NAME/ID						
	DEG	MIN	DEG	MIN	DAY	MO	YR	HR										MIN	DRY BULB (°C)	WIND	WIND	WIND	
028	56	16.24	N	165	45.65	W	06	M	A	Y	9	7	17	03	3.5	3.0	1728	000	04	34	1	94	023
Port Side CTD				TIMES				JD / TIME				DATA LOCATION				REMARKS							
TYPE / SN SBE 9+ 91660				DATA ON 126 / 1702				Tape/Diskette ID				File Name/Header				only - productivity.							
PRESS SN 29772				START DOWN								CTD 028				expiriment, No							
TEMP SN 1:889 2:701				AT DEPTH												warmup for CHAM,							
COND SN 1:530 2:303				AT SURFACE												no valid downcast data							
				<input checked="" type="checkbox"/> PAR				<input checked="" type="checkbox"/> FLUOR				<input checked="" type="checkbox"/> CHAM				<input type="checkbox"/> TAPS6				<input type="checkbox"/> TAPS4			
SEA-BIRD 9/11+ CTD DATA																							
POS.	TRIP DEPTH	PRESSURE	PRI TEMP	SEC TEMP	SALINITY	PAR	FLUOR	CHAM	SALINITY	SAMPLE BOTTLE DATA	SAMPLE BOTTLE NUMBER	SAL	NUTRIENT	CHLOR									
1	10																						
2	7																						
3	5																						
4	3																						
5	2																						
6	0																						
7																							
8																							
9																							
10																							
11																							
12																							

MAX. DEPTH = 13 m

[illegible]

[illegible]

no valid down cost data  
For water only

VESSEL		PROJECT & LEG		STATION DESIGNATION												
NOAAS MILLER FREEMAN		MF97-05, Leg 2		26 H-1												
CONSCAST #	LATITUDE		LONGITUDE		DATE JD= 126	TIME (GMT)	DRY BULB (°C)	WET BULB (°C)	PRESSURE (mb)	SEA STATE	WIND DIRN. (deg)	WIND SPD. (kts)	CLOUD (amt)	WEATHER	BOTTOM DEPTH (m)	STA. NAME/ID
032	5637.73 N	16436.58 W	06	MA	Y 97	2249	11.6	11.2	18.1	3	15	10	000		75	026
Port Side CTD		TIMES		JD / TIME		DATA LOCATION		REMARKS								
TYPE / SN SBE 9+ 91660		DATA ON		Tape/Diskette ID		File Name/Header										
PRESS SN 29772		START DOWN		CTD 032		CTD 032										
TEMP SN 1:889 2:701		AT DEPTH														
COND SN 1:530 2:303		AT SURFACE														
		<input checked="" type="checkbox"/> PAR		<input checked="" type="checkbox"/> FLUOR		<input checked="" type="checkbox"/> CHAM		<input type="checkbox"/> TAPS6		<input type="checkbox"/> TAPS4						
SEA-BIRD 9/11+ CTD DATA																
TRIP POS.	DEPTH	PRESSURE	PRI. TEMP	SEC. TEMP	SALINITY	PAR	FLUOR	CHAM	SALINITY	SAMPLE BOTTLE DATA	SAMPLE BOTTLE NUMBER	SAL.	NUTRIENT	CHLOR		
1	70											13	5.1			
2	60												6.5			
3	55															
4	50															
5	40															
6	30															
7	20															
8	15															
9	10															
10	5															
11	0														6.4	
12																

MAX. DEPTH = 71 m



[illegible]

[illegible]



[illegible]

VESSEL		PROJECT & LEG		STATION DESIGNATION												
NOAAS MILLER FREEMAN		MF97-05, Leg 2		STA 31 HAUL 1												
CONSC CAST #	LATITUDE		LONGITUDE		DATE JD= 127	TIME (GMT)	DRY BULB (°C)	WET BULB (°C)	PRESSURE (mb)	SEA STATE	WIND DIRN. (deg)	WIND SPD. (kts)	CLOUD (amt)	WEATHER	BOTTOM DEPTH (m)	STA. NAME/ID
	DEG	MIN	DEG	MIN												
037	57	04.36	N	163	28.47	W	0813	17.5	11.0	1828	320	10	47	*	66	031
Port Side CTD		TIMES		JD / TIME		DATA LOCATION										
TYPE / SN SBE 9+ 91660		DATA ON		127 / 0810		Tape/Diskette ID File Name/Header										
PRESS SN 29772		START DOWN		0811		CTD 037										
TEMP SN 1:889 2:701		AT DEPTH		0813												
COND SN 1:530 2:303		AT SURFACE		0819												
		<input checked="" type="checkbox"/> PAR.		<input checked="" type="checkbox"/> FLUOR		<input checked="" type="checkbox"/> CHIAM		<input type="checkbox"/> TAPS6		<input type="checkbox"/> TAPS4						
SEA-BIRD 9/11+ CTD DATA																
TRIP	POS.	DEPTH	PRESSURE	PRI. TEMP	SEC. TEMP	SALINITY	PAR	FLUOR	CHIAM	SALINITY	SAMPLE BOTTLE DATA	SAMPLE BOTTLE NUMBER				
1	mak											SAL.	NUTRIENT	CHLOR		
2	60											20	625			
3	55															
4	50															
5	40															
6	30															
7	20															
8	15															
9	10															
10	5															
11	0												624			
12																

MAX. DEPTH = 62 m

[illegible]

[illegible]

[illegible]



[illegible]

VESSEL		PROJECT & LEG		STATION DESIGNATION									
NOAAS MILLER FREEMAN		MF97-05, Leg 2		STA 34 HAUL 3									
CONSC CAST #	LATITUDE	LONGITUDE	DATE JD= 127	TIME (GMT)	WET BULB (°C)	DRY BULB (°C)	SEA STATE	WIND DIRLN (deg)	WIND SPD. (kts)	CLOUD (amt)	WEATHER	BOTTOM DEPTH (m)	STA. NAME/ID
0425652.73 N	164011.77 W	07 MAY 97	1650	11.5	2.1	1828	026	07	771	73	034		
Port Side CTD		TIMES		JD / TIME		DATA LOCATION		REMARKS					
TYPE / SN SBE 9+ 91660		DATA ON 127 / 1650		Tape/Diskette ID		File Name/Header		triplicate chlorophyll samples at M2 instrument depths					
PRESS SN 29772		START DOWN				CTD #42		no valid downcast					
TEMP SN 1:889 2:701		AT DEPTH						data		w/o = 10			
COND SN 1:530 2:303		AT SURFACE						MAX. DEPTH = 13 m					
		<input checked="" type="checkbox"/> PAR		<input checked="" type="checkbox"/> FLUOR		<input checked="" type="checkbox"/> CHAM		<input type="checkbox"/> TAPS6		<input type="checkbox"/> TAPS4			
SEA-BIRD 9/11+ CTD DATA													
TRIP DEPTH	POS.	PRESSURE	PRI. TEMP	SEC. TEMP	SALINITY	PAR	FLUOR	CHAM	SALINITY	SAMPLE BOTTLE DATA	SAMPLE BOTTLE NUMBER		
1	11										SAL.	NUTRIENT	CHLOR
2	11												#163 ✓
3	11												#162 ✓
4	5												#161 ✓
5	5												#160 ✓
6	5												#159 ✓
7													#158 ✓
8													
9													
10													
11													
12													

JN3035

VESSEL		PROJECT & LEG		STATION DESIGNATION																									
NOAAS MILLER FREEMAN		MF97-05, Leg 2		STA 35 HAUL 1																									
CONSC CAST #	LATITUDE		LONGITUDE		DATE JD= 127	TIME (GMT)	DRY BULB (°C)	WET BULB (°C)	PRESSURE (mb)	SEA STATE	VISIBILITY	WIND DIRN. (deg)	WIND SPD. (kts)	CLOUD (amt)	WEATHER	BOTTOM DEPTH (m)	STA. NAME/ID												
	DEG	MIN	DEG	MIN														DAY	MO	YR	HR	MIN	°C	°C	(mb)	°C	(deg)	(kts)	(m)
043	57	16.89	N	165	00.32	W	07	M	A	Y	9	7	20	39	5.6	3.7	17	18	12	0	6	1	7	1	6	8	0	3	5
Port Side CTD		TIMES		JD / TIME		DATA LOCATION												REMARKS											
TYPE / SN SBE 9+ 91660		DATA ON				Tape/Diskette ID File Name/Header																							
PRESS SN 29772		START DOWN				CTD 043																							
TEMP SN 1:889 2:701		AT DEPTH																											
COND SN 1:530 2:303		AT SURFACE																MAX. DEPTH = 648 m											
<input checked="" type="checkbox"/> PAR <input checked="" type="checkbox"/> FLUOR <input checked="" type="checkbox"/> CHLOR <input type="checkbox"/> TAPS6 <input type="checkbox"/> TAPS4																													
SEA-BIRD 9/11+ CTD DATA																													
POS.	TRIP DEPTH	PRESSURE	PRI. TEMP	SEC. TEMP	SALINITY	PAR	FLUOR	CHLOR	SALINITY	SAMPLE BOTTLE DATA	SAL	NUTRIENT	CHLOR																
1	648										10																		
2	60																												
3	55																												
4	48																												
5	38																												
6	25																												
7	20																												
8	5																												
9	10																												
10	5																												
11	0																												
12																													

mis-five bottles  
red's cast

VESSEL		PROJECT & LEG		STATION DESIGNATION																	
NOAAS MILLER FREEMAN		MF97-05, Leg 2		S-35 H2																	
CONSC CAST #	LATITUDE		LONGITUDE		DATE JD= 127	TIME (GMT)	DRY BULB (°C)	WET BULB (°C)	PRESSURE (mb)	SEA STATE	VISIBILITY	WIND DIRN. (deg)	WIND SPD. (kts)	CLOUD (amt)	WEATHER	BOTTOM DEPTH (m)	STA. NAME/ID				
	DEG	MIN	DEG	MIN														DAY	MO	YR	HR
	044	57	16.7	6	N	165	00	89	W	07	M	A	Y	97	2	10	8	17	1	68	035
Port Side CTD		TIMES		JD / TIME		DATA LOCATION												REMARKS			
TYPE / SN SBE 9+ 91660		DATA ON				Tape/Diskette ID File Name/Header															
PRESS SN 29772		START DOWN				C10044															
TEMP SN 1:889 2:701		AT DEPTH																			
COND SN 1:530 2:303		AT SURFACE																MAX. DEPTH = 66 m			
		<input checked="" type="checkbox"/> PAR		<input checked="" type="checkbox"/> FLUOR		<input checked="" type="checkbox"/> CHAM		<input type="checkbox"/> TAPS6		<input type="checkbox"/> TAPS4											
SEA-BIRD 9/11+ CTD DATA																					
TRIP	POS.	DEPTH	PRESSURE	PRI. TEMP	SEC. TEMP	SALINITY	PAR	FLUOR	CHAM	SALINITY	SAMPLE BOTTLE DATA	SAMPLE BOTTLE NUMBER	SAL.	NUTRIENT	CHLOR						
1	6	60																			
2	60																				
3	50																				
4	40																				
5	30																				
6	25																				
7	20																				
8	15																				
9	10																				
10	5																				
11	0																				
12																					

66m bottle 1 did not pick up on register on trip. next cont

[illegible]

[illegible]

[illegible]

VESSEL		PROJECT & LEG		STATION DESIGNATION																
NOAAS MILLER FREEMAN		MF97-05, Leg 2		S-38 H-1																
CONSC CAST #	LATITUDE		LONGITUDE		DATE JD= 128	TIME (GMT)	DRY BULB (°C)	WET BULB (°C)	PRESSURE (mb)	SEA STATE	WIND DIRN. (deg)	WIND SPD. (kts)	CLOUD (amt)	WEATHER	BOTTOM DEPTH (m)	STA. NAME/ID				
	DEG	MIN	DEG	MIN													DAY	MO	YR	HR
048	57	37.94	N	167	36.76	W	08	M	A	Y	97	07	06	1.0	0.6	1228	1151	2862	71	038
Port Side CTD		TIMES		JD / TIME		DATA LOCATION														
TYPE / SN SBE 9+ 91660		DATA ON				Tape/Diskette ID		File Name/Header												
PRESS SN 29772		START DOWN						CTD 048												
TEMP SN 1:889 2:701		AT DEPTH																		
COND SN 1:530 2:303		AT SURFACE																		
		<input checked="" type="checkbox"/> PAR		<input checked="" type="checkbox"/> FLUOR		<input checked="" type="checkbox"/> CNAM		<input type="checkbox"/> TAPS6		<input type="checkbox"/> TAPS4										
SEA-BIRD 9/11+ CTD DATA																				
POS.	TRIP DEPTH	PRESSURE	PRI. TEMP	SEC. TEMP	SALINITY	PAR	FLUOR	CHAM	SALINITY	SAMPLE BOTTLE DATA	SAMPLE BOTTLE NUMBER									
1	68										SAL.	NUTRIENT	CHLOR							
2	60										25									
3	50																			
4	40																			
5	30																			
6	25																			
7	20																			
8	15																			
9	10																			
10	5																			
11	0																			
12																				

MAX. DEPTH = 68 m



[illegible]

[illegible]

[illegible]

[illegible]

VESSEL		PROJECT & LEG		STATION DESIGNATION														
NOAAS MILLER FREEMAN		MF97-05, Leg 2		STA 42 HAUL 2														
CONSC CAST #	LATITUDE		LONGITUDE		DATE JD= 128		TIME (GMT)		WET BULB (°C)	SEA STATE	WIND DIRN. (deg)	WIND SPD. (kts)	CLOUD (amt)	WEATHER	BOTTOM DEPTH (m)	STA. NAME/ID		
	DEG	MIN	DEG	MIN	DAY	MO	YR	HR									MIN	DRY BULB (°C)
05358	03.98	N	168	43.48	W	08	MAY	97	16	02	0.5	0.0	1036	101	10	862	71	042
Port Side CTD		TIMES		JD / TIME		DATA LOCATION												
TYPE / SN SBE 9+ 91660		DATA ON		128/1602		Tape/Diskette ID		File Name/Header										
PRESS SN 29772		START DOWN						CTD 053										
TEMP SN 1:889 2:701		AT DEPTH		1602														
COND SN 1:530 2:303		AT SURFACE																
								<input checked="" type="checkbox"/> PAR <input checked="" type="checkbox"/> FLUOR <input checked="" type="checkbox"/> CHIAM <input type="checkbox"/> TAPS6 <input type="checkbox"/> TAPS4										
SEA-BIRD 9/11+ CTD DATA																		
POS.	TRIP DEPTH	PRESSURE	PRI. TEMP	SEC. TEMP	SALINITY	PAR	FLUOR	CHIAM	SAMPLE BOTTLE DATA	SALINITY	SAL.	NUTRIENT	CHLOR					
1	34																	
2	22																	
3	16																	
4	9																	
5	5																	
6	0																	
7																		
8																		
9																		
10																		
11																		
12																		

 water for productivity exp -  
 no valid downcast data

MAX. DEPTH = 37 m

[illegible]

VESSEL		PROJECT & LEG		STATION DESIGNATION													
NOAAS MILLER FREEMAN		MF97-05, Leg 2		STA 43 HAUL 2													
CONSC CAST #	LATITUDE		LONGITUDE		DATE JD= 128		TIME (GMT)		WET BULB (°C)	SEA STATE	WIND DIRN. (deg)	WIND SPD. (kts)	CLOUD (amt)	TYPE	WEATHER	BOTTOM DEPTH (m)	STA. NAME/ID
	DEG	MIN	DEG	MIN	DAY	MO	YR	HR									
055575	11.26	N	168.51	19.0	W	08	MAY	97	1804	01.0	0.2	1036	082	13	862	73	043
Port Side CTD																	
TYPE / SN		SBE 9+ 91660		DATA ON		128/1804		Tape/Diskette ID		File Name/Header		REMARKS					
PRESS SN		29772		START DOWN		1804		CTD 055		water for productivity exp							
TEMP SN		1:889 2:701		AT DEPTH		1804		no valid downcast data									
COND SN		1:530 2:303		AT SURFACE				MAX. DEPTH = 38 m									
DATA LOCATION																	
TAPS4																	
SEA-BIRD 9/11+ CTD DATA																	
TRIP		SAMPLE BOTTLE DATA															
DEPTH		DATA															
1		36															
2		24															
3		17															
4		10															
5		6															
6		0															
7																	
8																	
9																	
10																	
11																	
12																	

[illegible]



[illegible]





[illegible]

[illegible]

VESSEL		PROJECT & LEG		STATION DESIGNATION															
NOAAS MILLER FREEMAN		MF97-05, Leg 2		STA 53 HAUL 1															
CONSC CAST #	LATITUDE		LONGITUDE		DATE JD=		TIME (GMT)		WET BULB (°C)	SEA STATE	WIND DIRN. (deg)	WIND SPD. (kts)	CLOUD (amt)	WEATHER	BOTTOM DEPTH (m)	STA. NAME/ID			
	DEG	MIN	DEG	MIN	DAY	MO	YR	HR									MIN	DRY BULB (°C)	PRESSURE (mb)
0625455.79	N	16528.82	W	10	M	A	Y	97	14	35	1.4	0818	180	06	862	127	053		
Port Side CTD				TIMES				JD / TIME				DATA LOCATION				REMARKS			
TYPE / SN SBE 9+ 91660				DATA ON				130 / 1430				Tape/Diskette ID				File Name/Header			
PRESS SN 29772				START DOWN				1430				CTD 062							
TEMP SN 1:889 2:701				AT DEPTH				1435											
COND SN 1:530 2:303				AT SURFACE				1444											
				<input checked="" type="checkbox"/> PAR				<input checked="" type="checkbox"/> FLUOR				<input checked="" type="checkbox"/> CHIAM				<input type="checkbox"/> TAPS6 <input type="checkbox"/> TAPS4			
SEA-BIRD 9/11+ CTD DATA																			
TRIP DEPTH	POS.	PRESSURE	PRI. TEMP	SEC. TEMP	SALINITY	PAR	FLUOR	CHIAM	SAMPLE BOTTLE DATA	SALINITY	SAL.	NUTRIENT	CHLOR						
123	1										10								
100	2																		
80	3																		
60	4																		
50	5																		
40	6																		
30	7																		
20	8																		
* 10	9																		
5	10																		
0	11																		
	12																		

MAX. DEPTH = 123 m

VESSEL		PROJECT & LEG		STATION DESIGNATION																		
NOAAS MILLER FREEMAN		MF97-05, Leg 2		STA 54 HAUL 1																		
CONSC CAST #	LATITUDE		LONGITUDE		DATE JD= 130		TIME (GMT)		WET BULB		WIND DIRN.		WIND SPD.		CLOUD (amt)		WEATHER		BOTTOM DEPTH		STA. NAME/ID	
	DEG	MIN	DEG	MIN	DAY	MO	YR	HR	MIN	(°C)	(°C)	(deg)	(kts)	*	*	*	*	(m)				
06354	52.1	0N	165	40.2	7W	10	MAY	9	7	15	3	7	06	8	6	2	1	4	5		054	
Port Side CTD		TIMES		JD / TIME		DATA LOCATION										REMARKS						
TYPE / SN SBE 9+ 91660		DATA ON		130/1531		Tape/Diskette ID		File Name/Header		w/o = 144												
PRESS SN 29772		START DOWN		1532				CTD 063														
TEMP SN 1:889 2:701		AT DEPTH																				
COND SN 1:530 2:303		AT SURFACE																				
		<input checked="" type="checkbox"/> PAR		<input checked="" type="checkbox"/> FLUOR		<input checked="" type="checkbox"/> CHIAM		<input type="checkbox"/> TAPS6		<input type="checkbox"/> TAPS4												
		SEA-BIRD 9/11+ CTD DATA																				
TRIP	POS.	DEPTH	PRESSURE	PRI. TEMP	SEC. TEMP	SALINITY	PAR	FLUOR	CHIAM	SALINITY	SAMPLE BOTTLE DATA	SAMPLE BOTTLE NUMBER	SAL.	NUTRIENT	CHLOR							
1	140												11									
2	100																					
3	80																					
4	70																					
5	60																					
6	50																					
7	40																					
8	30																					
9	20																					
10	10																					
11	0																					
12																						

MAX. DEPTH = 142 m

[illegible]



[illegible]



[illegible]

[illegible]

[illegible]

VESSEL		PROJECT & LEG		STATION DESIGNATION												
NOAAS MILLER FREEMAN		MF97-05, Leg 2		STA 59 H-1												
CONSC CAST #	LATITUDE		LONGITUDE		DATE JD= 130	TIME (GMT)	WET BULB (°C)	DRY BULB (°C)	PRESSURE (mb)	SEA STATE	WIND DIRN. (deg)	WIND SPD. (kts)	CLOUD (amt)	WEATHER	BOTTOM DEPTH (m)	STA. NAME/ID
	DEG	MIN	DEG	MIN												
0705428.30N	1660232.32W	10	MA	Y 97	23	48	6.5	5.00	32.7	190	15	862	538	059		
Port Side CTD		TIMES		JD / TIME		DATA LOCATION										
TYPE / SN SBE 9+ 91660		DATA ON		Tape/Diskette ID		File Name/Header										
PRESS SN 29772		START DOWN				CTD 58										
TEMP SN 1:889 2:701		AT DEPTH														
COND SN 1:530 2:303		AT SURFACE				MAX. DEPTH = 519 m										
		<input checked="" type="checkbox"/> PAR		<input checked="" type="checkbox"/> FLUOR		<input type="checkbox"/> CHIAM		<input type="checkbox"/> TAPS6		<input type="checkbox"/> TAPS4						
SEA-BIRD 9/11+ CTD DATA																
POS.	TRIP DEPTH	PRESSURE	PRI. TEMP	SEC. TEMP	SALINITY	PAR	FLUOR	CHIAM	SALINITY	SAMPLE BOTTLE DATA	SAL.	NUTRIENT	CHLOR			
1	519										29					
2	300															
3	200															
4	100															
5	75															
6	60															
7	50															
8	40															
9	30															
10	20															
11	10															
12	0															

0 m. Sample from Bucket

[illegible]

[illegible]



VESSEL						PROJECT & LEG								STATION DESIGNATION																					
NOAAS MILLER FREEMAN						MF97-05, Leg 2								STA 62 H-1																					
CONSC CAST #		LATITUDE			LONGITUDE			DATE JD= 131			TIME (GMT)			DRY BULB (°C)		WET BULB (°C)		PRESSURE (mb)		SEA STATE		VISIBILITY		WIND DIRN. (deg)		WIND SPD. (kts)		CLOUD (amt)		WEATHER		BOTTOM DEPTH		STA. NAME/ID	
		DEG	MIN		DEG	MIN		DAY	MO	YR	HR	MIN	(°C)	(°C)	(mb)	*	*	(deg)	(kts)	* * *	*	*	(m)												
073542	2.56	N	16S	16.64	W	11	MAY	97	06	31	14	08	2.9	3.9	03.2	7	2	8	0	14	8	6	2	1	6	8									
		Port Side CTD						TIMES		JD / TIME				DATA LOCATION		REMARKS																			
TYPE / SN SBE 9+ 91660		DATA ON						Tape/Diskette ID		File Name/Header																									
PRESS SN 29772		START DOWN																																	
TEMP SN 1:889 2:701		AT DEPTH																																	
COND SN 1:530 2:303		AT SURFACE																																	
		<input checked="" type="checkbox"/> PAR		<input checked="" type="checkbox"/> FLUOR		<input checked="" type="checkbox"/> CHIAM		<input type="checkbox"/> TAPS6		<input type="checkbox"/> TAPS4																									

[illegible]

[illegible]

[illegible]

[illegible]

[illegible]

[illegible]

[illegible]



[illegible]

[illegible]

[illegible]

[illegible]

VESSEL		PROJECT & LEG		STATION DESIGNATION																				
NOAAS MILLER FREEMAN		MF97-05, Leg 2		STA 72 HAUL 1																				
CONSC CAST #	LATITUDE		LONGITUDE		DATE JD= 132		TIME (GMT)		WET BULB		SEA STATE		WIND DIRN.		WIND SPD.		CLOUD (amt)		WEATHER		BOTTOM DEPTH		STA. NAME/ID	
	DEG	MIN	DEG	MIN	DAY	MO	YR	HR	MIN	(°C)	(mb)	*	(deg)	(kts)	*	*	*	(m)						
855520.97N	16815.29W	12	MAY	97	09	43	3	4	6	3.5	09	48	25	020	78	1	1225	072						
Port Side CTD		TIMES		JD / TIME		DATA LOCATION		REMARKS																
TYPE / SN SBE 9+ 91660		DATA ON		132 / 0910		Tape/Diskette ID		File Name/Header																
PRESS SN 29772		START DOWN		0911																				
TEMP SN 1:889 2:701		AT DEPTH		0943																				
COND SN 1:530 2:303		AT SURFACE		1016																				
		<input type="checkbox"/> PAR		<input type="checkbox"/> FLUOR		<input type="checkbox"/> CHIAM		<input type="checkbox"/> TAPS6		<input type="checkbox"/> TAPS4														

[illegible]

bottom depth corrected for probable scale error on 12Khz sounder

[illegible]

[illegible]



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bottom depth estimate corrected for probable scale error on 12 Khz sounder

[illegible]

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SEA-BIRD 9/11+ CTD DATA

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[illegible]

bottom depth corrected for probable scale error with 12 KHz sounder

VESSEL			PROJECT & LEG			STATION DESIGNATION									
NOAAS MILLER FREEMAN			MF97-05, Leg 2			STA 77 H-3									
CONSC CAST #	LATITUDE		LONGITUDE		DATE JD= 133		TIME (GMT)	WIND DIRN.	WIND SPD. (kts)	CLOUD (amt)	WEATHER	BOTTOM DEPTH (m)	STA. NAME/ID		
	DEG	MIN	DEG	MIN	DAY	MO								YR	HR
925530.18	N	16935.16	W	13	M	A	Y	97	06	47	4.9	3.9	1548205	208621498	077
SEA-BIRD 9/11+ CTD DATA															
TRIP		DATA LOCATION													
POS.	DEPTH	Tape/Diskette ID File Name/Header													
1	1491	CTD 092													
2	1250														
3	1000														
4	750														
5	500														
6	400														
7	300														
8	300														
9	200														
10	100														
11															
12															

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[illegible]

