

VESSEL NOAA Ship MILLER FREEMAN				PROJECT & LEG MF-00-06				DSDB I.D.				STATION DESIGNATION 1-1								
CONSC CAST #	LATITUDE		LONGITUDE			DATE JD=			TIME (GMT)	DRY BULB	WET BULB	PRESSURE	SEA STATE VISIBILITY	WIND DIRN.	WIND SPD.	CLOUD (amt)	TYPE	WEATHER	BOTTOM DEPTH	STA. NAME/ID
	DEG	MIN	DEG	MIN	SEC	DAY	MO	YR	HR	MIN	(°C)	(°C)	(mb)	*	(deg)	(m/s)	*	*	(m)	
001570	1.09	N	164	13.16	W	03	MAY	00	00	37	-0.5	-0.5	164	73	50	17	87	Z	70	
SBE 9+	91660	TIMES	JD/TIME	DATA LOCATION				REMARKS												
PRESS SN	29772	DATA ON		Tape/Diskette ID	File Name/Header			w/o 60												
PRI TEMP SN	889	START DOWN																		
SEC TEMP SN	884	AT DEPTH						<input checked="" type="checkbox"/> Cleaned air bleed valve												
PRI COND SN	480	AT SURFACE						MAX. DEPTH = 64 m												
SEC COND SN	530	<input type="checkbox"/> PAR S/N 4242	<input checked="" type="checkbox"/> FLUOR S/N 153	<input checked="" type="checkbox"/> CHIAM S/N 109																
POS.	TRIP DEPTH	CTD CONVERTED MONITOR VALUES						SAMPLE BOTTLE DATA		SAMPLE BOTTLE NUMBER 25										
		PRESSURE	PRI. TEMP.	SEC. TEMP.	SALINITY		SALINITY	SAL.	NUTR.	CHL	WHIT's NUTR.									
1	B ₀ +	64						25			✓ L7									
2	50	50									✓ L6									
3	40	40									✓ L5									
4	30	30									✓ L4									
5	20	20									✓ L3									
6	10	10									✓ L2									
7	0	3									✓ L1									
8																				
9																				
10																				
11																				
12																				

VESSEL NOAA Ship MILLER FREEMAN				PROJECT & LEG MF-00-06				DSDB I.D.				STATION DESIGNATION 3-1									
CONSC CAST #	LATITUDE		LONGITUDE		DATE JD=			TIME (GMT)		DRY BULB	WET BULB	PRESSURE	SEA STATE	VISIBILITY	WIND DIRN.	WIND SPD.	CLOUD (amt)	TYPE	WEATHER	BOTTOM DEPTH	STA. NAME/ID
	DEG	MIN	DEG	MIN	DAY	MO	YR	HR	MIN	(°C)	(°C)	(mb)	*	*	(deg)	(m/s)	*	*	*	(m)	
00356	52.40	N	164.02	96	W	03	MAY	00	0414	1.2	0.0	1647	350		14	872				72	3
SBE 9+	91660		TIMES		JD/TIME			DATA LOCATION				REMARKS									
PRESS SN	29772		DATA ON					Tape/Diskette ID		File Name/Header											
PRI TEMP SN	889		START DOWN							CTD 003											
SEC TEMP SN	884		AT DEPTH									<input checked="" type="checkbox"/> Cleaned air bleed valve									
PRI COND SN	480		AT SURFACE									MAX. DEPTH = m									
SEC COND SN	530		<input type="checkbox"/> PAR S/N 4242		<input checked="" type="checkbox"/> FLUOR S/N 153			<input checked="" type="checkbox"/> CHIAM S/N 109		<input type="checkbox"/>											
POS.	TRIP DEPTH	CTD CONVERTED MONITOR VALUES								SAMPLE BOTTLE DATA		SAMPLE BOTTLE NUMBER 22									
		PRESSURE	PRI. TEMP.	SEC. TEMP.	SALINITY				SALINITY	SAL.	NUTR.	CHL.	WHIT's NUTR.								
1	Bot									21			L23								
2	50												L22								
3	44												L21								
4	44												L20								
5	44												L19								
6	30												L18								
7	24												L17								
8	24												L16								
9	24												L15								
10																					
11																					
12																					

VESSEL NOAA Ship MILLER FREEMAN					PROJECT & LEG MF-00-06					DSDB I.D.					STATION DESIGNATION <u>3-2</u>									
CONSC CAST #	LATITUDE				LONGITUDE				DATE JD=			TIME (GMT)	DRY BULB	WET BULB	PRESSURE	SEA STATE	VISIBILITY	WIND DIRN.	WIND SPD.	CLOUD (amt)	TYPE	WEATHER	BOTTOM DEPTH	STA. NAME/ID
	DEG	MIN			DEG	MIN			DAY	MO	YR	HR	MIN	(°C)	(°C)	(mb)	*	(deg)	(m/s)	*	*	*	(m)	
	<u>0045</u>	<u>652.30</u>	<u>N</u>		<u>16402.96</u>	<u>W</u>	<u>03</u>		<u>MAY</u>	<u>00</u>	<u>0439</u>		<u>11.2</u>	<u>0.0</u>	<u>1647</u>	<u>345</u>	<u>16</u>	<u>872</u>				<u>72</u>		
SBE 9+	<u>91660</u>				TIMES				JD/TIME				DATA LOCATION					REMARKS						
PRESS SN	<u>29772</u>				DATA ON.				Tape/Diskette ID				File Name/Header											
PRI TEMP SN	<u>889</u>				START DOWN								<u>CTD004</u>											
SEC TEMP SN	<u>884</u>				AT DEPTH																			
PRI COND SN	<u>480</u>				AT SURFACE																			
SEC COND SN	<u>530</u>				<input type="checkbox"/> PAR S/N 4242				<input checked="" type="checkbox"/> FLUOR S/N 153				<input checked="" type="checkbox"/> CHIAM S/N 109											
POS.	TRIP DEPTH	CTD CONVERTED MONITOR VALUES										SAMPLE BOTTLE DATA			SAMPLE BOTTLE NUMBER									
		PRESSURE		PRI. TEMP.		SEC. TEMP.		SALINITY		SALINITY		SAL.	NUTR.	CHL	WHIT's NUTR.									
<u>1</u>	<u>20</u>																<u>L27</u>							
<u>2</u>	<u>13</u>																<u>-</u>							
<u>3</u>	<u>13</u>																<u>-</u>							
<u>4</u>	<u>13</u>																<u>L26</u>							
<u>5</u>	<u>5</u>																<u>-</u>							
<u>6</u>	<u>5</u>																<u>-</u>							
<u>7</u>	<u>5</u>																<u>L25</u>							
<u>8</u>	<u>0</u>																<u>L24</u>							
<u>9</u>																								
<u>10</u>																								
<u>11</u>																								
<u>12</u>																								

VESSEL: NOAA Ship MILLER FREEMAN
 PROJECT & LEG: MF-00-06
 DSDB I.D.:
 STATION DESIGNATION:

CONSC CAST #	LATITUDE		LONGITUDE		DATE JD=			TIME (GMT)	DRY BULB	WET BULB	PRESSURE	SEA STATE	VISIBILITY	WIND DIRN.	WIND SPD.	CLOUD (amt)	TYPE	WEATHER	BOTTOM DEPTH	STA. NAME/ID
	DEG	MIN	DEG	MIN	DAY	MO	YR	HR	MIN	(°C)	(°C)	(mb)	*	*	(deg)	(m/s)	*	*	(m)	
015	58	04.0	168	43.9	05	MAY	00	13	38	01.0	-0.3	19	17	XX	XX	00	86	2	70	

SBE 9+	91660	TIMES	JD/TIME	DATA LOCATION		REMARKS
PRESS SN	29772	DATA ON.		Tape/Diskette ID	File Name/Header	
PRI TEMP SN	889	START DOWN			CTD015	
SEC TEMP SN	884	AT DEPTH				<input type="checkbox"/> Cleaned air bleed valve
PRI COND SN	480	AT SURFACE				MAX. DEPTH = m
SEC COND SN	530	<input type="checkbox"/> PAR S/N 4242	<input type="checkbox"/> FLUOR S/N 153	<input type="checkbox"/> CHIAM S/N 109		

POS.	TRIP DEPTH	CTD CONVERTED MONITOR VALUES				SAMPLE BOTTLE DATA	SAMPLE BOTTLE NUMBER			
		PRESSURE	PRI. TEMP.	SEC. TEMP	SALINITY	SALINITY	SAL	NUTR.	CHL	WHIT's NUTR.
1		<i>Failed Cast Failed to Data</i>								
2										
3										
4										
5										
6										
7										
8										
9										
10										
11										
12										

not processed

VESSEL				PROJECT & LEG				DSDB I.D.				STATION DESIGNATION										
NOAA Ship MILLER FREEMAN				MF-00-06																		
CONSC CAST #	LATITUDE		LONGITUDE		DATE JD=			TIME (GMT)		DRY BULB	WET BULB	PRESSURE	SEA STATE	VISIBILITY	WIND DIRN.	WIND SPD.	CLOUD (amt)	TYPE	WEATHER	BOTTOM DEPTH	STA. NAME/ID	
	DEG	MIN	DEG	MIN	DAY	MO	YR	HR	MIN	(°C)	(°C)	(mb)	*	*	(deg)	(m/s)	*	*	*	(m)		
0116	58	04.12	N	168	44.05	W	05	MAY	00	11	40	5	0.5	-0.8	19	170	25	02	83	2	71	
SBE 9+	91660		TIMES		JD/TIME			DATA LOCATION				REMARKS										
PRESS SN	29772		DATA ON.					Tape/Diskette ID		File Name/Header												
PRI TEMP SN	889		START DOWN							CTD016												
SEC TEMP SN	884		AT DEPTH									<input type="checkbox"/> Cleaned air bleed valve										
PRI COND SN	480		AT SURFACE									MAX. DEPTH = m										
SEC COND SN	530		<input type="checkbox"/> PAR S/N 4242		<input type="checkbox"/> FLUOR S/N 153			<input type="checkbox"/> CHAM S/N 109														
POS.	TRIP DEPTH	CTD CONVERTED MONITOR VALUES				SAMPLE BOTTLE DATA		SAMPLE BOTTLE NUMBER														
		PRESSURE	PRI. TEMP.	SEC. TEMP.	SALINITY	SALINITY	SAL.	NUTR.	CHL.	WHIT's NUTR.												
1		Failed Cast Faulty Data																				
2																						
3																						
4																						
5																						
6																						
7																						
8																						
9																						
10																						
11																						
12																						

not present

VESSEL: NOAA Ship MILLER FREEMAN
 PROJECT & LEG: MF-00-06
 DSDB I.D.:
 STATION DESIGNATION:

CONSC CAST #	LATITUDE		LONGITUDE		DATE JD=			TIME (GMT)	DRY BULB	WET BULB	PRESSURE	SEA STATE	VISIBILITY	WIND DIRN.	WIND SPD.	CLOUD (amt)	TYPE	WEATHER	BOTTOM DEPTH	STA. NAME/ID			
	DEG	MIN	DEG	MIN	DAY	MO	YR	HR	MIN	(°C)	(°C)	(mb)	*	*	(deg)	(m/s)	*	*	*	(m)			
026	56	52.05	N	169	58.28	W	07	MAY	00	10	45	3.9	2.2	8	26	3	2	5	0	8	62	73	

SBE 9+ 01660
 PRESS SN 29772
 PRI TEMP SN 889
 SEC TEMP SN 884
 PRI COND SN 480
 SEC COND SN 530

TIMES JD/TIME
 DATA ON.
 START DOWN
 AT DEPTH
 AT SURFACE

DATA LOCATION
 Tape/Diskette ID
 File Name/Header
 CTDO26

REMARKS Due to Deck Unit Sample Order: TROUBLE Bottom-50-40-20-10 -0-30
 Cleaned air bleed valve
 MAX. DEPTH = 64 m

PAR S/N 4242 FLUOR S/N 153 CHIAM S/N 109

POS.	TRIP DEPTH	CTD CONVERTED MONITOR VALUES				SAMPLE BOTTLE DATA	SAMPLE BOTTLE NUMBER			
		PRESSURE	PRI. TEMP.	SEC. TEMP.	SALINITY	SALINITY	SAL	NUTR.	CHL	WHIT's NUTR.
1	Bottom									143L
2	50									142L
3	40									141L
4	30									140L
5	20									139L
6	10									138L
7	10									137L
8										
9										
10										
11										
12										

Bottles in correct
 Due to Deck Unit Sample Order: TROUBLE Bottom-50-40-20-10 -0-30
 Cleaned air bleed valve
 MAX. DEPTH = 64 m
 N/A Redone at #27

VESSEL NOAA Ship MILLER FREEMAN				PROJECT & LEG MF-00-06				DSDB I.D.				STATION DESIGNATION										
CONSC CAST #	LATITUDE			LONGITUDE			DATE JD=			TIME (GMT)	DRY BULB	WET BULB	PRESSURE	SEA STATE	VISIBILITY	WIND DIRN.	WIND SPD.	CLOUD (amt)	TYPE	WEATHER	BOTTOM DEPTH	STA. NAME/ID
	DEG	MIN		DEG	MIN		DAY	MO	YR	HR	MIN	(°C)	(°C)	(mb)	*	(deg)	(m/s)	*	*	*	(m)	
0275	65	4.34	N	169	48.13	W	07	MAY	00	12	45	3.0	1.5	182	7	015	07	8	62		80	
SBE 9+	91660		TIMES		JD/TIME		DATA LOCATION					REMARKS										
PRESS SN	29772		DATA ON.				Tape/Diskette ID		File Name/Header			Sample Order: Bottom - 50 - 40 - 30 -20 - 0 - 10 Due to Deck unit trouble										
PRI TEMP SN	889		START DOWN						CTD 027			<input checked="" type="checkbox"/> Cleaned air bleed valve										
SEC TEMP SN	884		AT DEPTH									MAX. DEPTH = 74 m										
PRI COND SN	480		AT SURFACE																			
SEC COND SN	530		<input type="checkbox"/> PAR S/N 4242		<input checked="" type="checkbox"/> FLUOR S/N 153		<input checked="" type="checkbox"/> CHIAM S/N 109															
POS.	TRIP DEPTH	CTD CONVERTED MONITOR VALUES								SAMPLE BOTTLE DATA		SAMPLE BOTTLE NUMBER 06										
		PRESSURE	PRI. TEMP.	SEC. TEMP	SALINITY	SALINITY	SAL.	NUTR.	CHL	WHIT'S NUTR.												
1	Bottom						06			150 L												
2	50									149 L												
3	40									148 L												
4	30									147 L												
5	20									146 L												
6	10									145 L												
7	0									144 L												
8																						
9																						
10																						
11																						
12																						

Deck unit trouble

Samples in bottles are correct

VESSEL NOAA Ship MILLER FREEMAN				PROJECT & LEG MF-00-06				DSDB I.D.				STATION DESIGNATION									
CONSC CAST #	LATITUDE		LONGITUDE		DATE JD=			TIME (GMT)	DRY BULB	WET BULB	PRESSURE	SEA STATE	VISIBILITY	WIND DIRN.	WIND SPD.	CLOUD (amt)	TYPE	WEATHER	BOTTOM DEPTH	STA. NAME/ID	
	DEG	MIN	DEG	MIN	DAY	MO	YR	HR	MIN	(°C)	(°C)	(mb)	*	*	(deg)	(m/s)	*	*	*	(m)	
030	56	15.64	N	169	41	19	07	MAY	01	19	47	3.5	2.8	193	63	500	8	7	67	241	
SBE 9+	91660		TIMES		JD/TIME			DATA LOCATION				REMARKS									
PRESS SN	29772		DATA ON.					Tape/Diskette ID		File Name/Header		w/o = 240									
PRI TEMP SN	889		START DOWN							CTD 030											
SEC TEMP SN	884		AT DEPTH									<input checked="" type="checkbox"/> Cleaned air bleed valve									
PRI COND SN	480		AT SURFACE									MAX. DEPTH = 234 m									
SEC COND SN	530		<input type="checkbox"/> PAR S/N 4242		<input checked="" type="checkbox"/> FLUOR S/N 153			<input checked="" type="checkbox"/> CHIAM S/N 109													
POS.	TRIP DEPTH	CTD CONVERTED MONITOR VALUES								SAMPLE BOTTLE DATA		SAMPLE BOTTLE NUMBER 30									
		PRESSURE	PRI. TEMP.	SEC. TEMP.	SALINITY			SALINITY		SAL.	NUTR.	CHL	WHIT's NUTR.								
1	BOTTOM									30			178 L								
2	200												177 L								
3	150												176 L								
4	100												175 L								
5	75												174 L								
6	50												173 L								
7	40												172 L								
8	30												171 L								
9	20												170 L								
10	10												169 L								
11	6												168 L								
12	0																				

highest #
↓
lowest #

VESSEL NOAA Ship MILLER FREEMAN				PROJECT & LEG MF-00-06				DSDB I.D.				STATION DESIGNATION								
CONSC CAST #	LATITUDE		LONGITUDE		DATE JD=			TIME (GMT)	DRY BULB	WET BULB	PRESSURE	SEA STATE	VISIBILITY	WIND DIRN.	WIND SPD.	CLOUD (amt)	TYPE	WEATHER	BOTTOM DEPTH	STA. NAME/ID
	DEG	MIN	DEG	MIN	DAY	MO	YR	HR	MIN	(°C)	(°C)	(mb)		(deg)	(m/s)				(m)	
031	55	21.89	N	168	57.16	W	08	MAY	00	04	07	3.0	1.8	2036	340	12	761	907		
SBE 9+	91660		TIMES		JD/TIME			DATA LOCATION				REMARKS								
PRESS SN	29772		DATA ON.					Tape/Diskette ID		File Name/Header										
PRI TEMP SN	889		START DOWN							CTD031										
SEC TEMP SN	884		AT DEPTH									<input checked="" type="checkbox"/> Cleaned air bleed valve								
PRI COND SN	480		AT SURFACE									MAX. DEPTH = 903 m								
SEC COND SN	530		<input type="checkbox"/> PAR S/N 4242		<input type="checkbox"/> FLUOR S/N 153			<input type="checkbox"/> CHIAM S/N 109												
POS.	TRIP DEPTH	CTD CONVERTED MONITOR VALUES							SAMPLE BOTTLE DATA			SAMPLE BOTTLE NUMBER								
		PRESSURE	PRI. TEMP.	SEC. TEMP.	SALINITY			SALINITY			SAL	NUTR.	CHL	WHIT's NUTR.						
1	1000										23			191L						
2	500													190L						
3	250													189L						
4	200													188L						
5	150													187L						
6	100													186L						
7	75													185L						
8	50													184L						
9	40													183L						
10	30													182L						
11	20													181L						
12	10													180L						

winch/Bridge pane stopped around 730m
continued down to 903.

o From BUCKET

VESSEL				PROJECT & LEG				DSDB I.D.				STATION DESIGNATION								
NOAA Ship MILLER FREEMAN				MF-00-06																
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	
	DEG	MIN	DEG	MIN	DAY	MO	YR	HR	MIN	(°C)	(°C)	(mb)		(deg)	(m/s)			(m)		
034	55	32.95	N	167	45.94	W	08	MAY	00	11	08	1.0	0.0	213	50	30	14	853	137	
SBE 9+	91660		TIMES		JD/TIME			DATA LOCATION				REMARKS								
PRESS SN	29772		DATA ON.					Tape/Diskette ID		File Name/Header		Sampling order Bottom-100-50-40-30 -20-10-0-75								
PRI TEMP SN	889		START DOWN							CTD034		<input checked="" type="checkbox"/> Cleaned air bleed valve								
SEC TEMP SN	884		AT DEPTH									MAX. DEPTH = 130 m								
PRI COND SN	480		AT SURFACE																	
SEC COND SN	530		PAR S/N 4242		<input checked="" type="checkbox"/> FLUOR S/N 153			CHIAM S/N 109												
POS.	TRIP DEPTH	CTD CONVERTED MONITOR VALUES				SAMPLE BOTTLE DATA		SAMPLE BOTTLE NUMBER												
		PRESSURE	PRI TEMP.	SEC. TEMP	SALINITY	SALINITY	SAL.	NUTR.	CHL.	WHIT's NUTR.										
1	Bottom									28				223 L						
2	100													222 L						
3	75													221 L						
4	50													220 L						
5	40													219 L						
6	30													218 L						
7	20													217 L						
8	10													216 L						
9	0													215 L						
10																				
11																				
12																				

Samples in Bottles
 are collected

VESSEL				PROJECT & LEG				DSDB I.D.				STATION DESIGNATION								
NOAA Ship MILLER FREEMAN				MF-00-06																
CONSC CAST #	LATITUDE		LONGITUDE		DATE JD=			TIME (GMT)	DRY BULB	WET BULB	PRESSURE	SEA STATE	VISIBILITY	WIND DIRN	WIND SPD.	CLOUD (amt)	TYPE	WEATHER	BOTTOM DEPTH	STA. NAME/ID
	DEG	MIN	DEG	MIN	DAY	MO	YR	HR	MIN	(°C)	(°C)	(mb)		(deg)	(m/s)	%			(m)	
037	55	4.04	N	166	54.19	W	08	MAY	00	1606	0.7	0.1	2337	005	13	862			135	
SBE 9+	91660		TIMES		JD/TIME			DATA LOCATION				REMARKS								
PRESS SN	29772		DATA ON.					Tape/Diskette ID		File Name/Header		Sampling order Bottom-100-75-40 -30-20-10-0-50								
PRI TEMP SN	889		START DOWN							CTD037		<input checked="" type="checkbox"/> Cleaned air bleed valve								
SEC TEMP SN	884		AT DEPTH									MAX. DEPTH = 127 m								
PRI COND SN	480		AT SURFACE																	
SEC COND SN	530		<input type="checkbox"/> PAR S/N 4242		<input checked="" type="checkbox"/> FLUOR S/N 153			<input checked="" type="checkbox"/> CHIAM S/N 109												
POS.	TRIP DEPTH	CTD CONVERTED MONITOR VALUES				SAMPLE BOTTLE DATA		SAMPLE BOTTLE NUMBER												
		PRESSURE	PRI. TEMP.	SEC. TEMP.	SALINITY	SALINITY	SAL.	NUTR.	CHL	WHIT's NUTR.										
1	Bottom									07				250 L						
2	100													249 L						
3	75													248 L						
4	50													247 L						
5	40													246 L						
6	30													245 L						
7	20													244 L						
8	10													243 L						
9	0													242 L						
10																				
11																				
12																				

9 - Sam ples are in correct bottles

VESSEL: NOAA Ship MILLER FREEMAN
 PROJECT & LEG: MF-00-06
 DSDB I.D.:
 STATION DESIGNATION:

CONSC CAST #	LATITUDE		LONGITUDE			DATE JD=			TIME (GMT)	DRY BULB	WET BULB	PRESSURE	SEA STATE	VISIBILITY	WIND DIRN.	WIND SPD.	CLOUD (amt)	TYPE	WEATHER	BOTTOM DEPTH	STA. NAME/ID		
	DEG	MIN	DEG	MIN	DAY	MO	YR	HR	MIN	(°C)	(°C)	(mb)	*	*	(deg)	(m/s)	*	*	*	(m)			
042	55	55.01	N	166	10.29	W	09	MAY	00	00	26	1.6	0.3	27	47	35	0	14	8	6	2	1-2	2

SBE 9+	01660	TIMES	JD/TIME	DATA LOCATION		REMARKS
PRESS SN	29772	DATA ON.		Tape/Diskette ID	File Name/Header	w/o 114
PRI TEMP SN	889	START DOWN			CTD042	
SEC TEMP SN	884	AT DEPTH				<input checked="" type="checkbox"/> Cleaned air bleed valve
PRI COND SN	480	AT SURFACE				MAX. DEPTH = 115 m
SEC COND SN	530	<input type="checkbox"/> PAR S/N 4242	<input checked="" type="checkbox"/> FLUOR S/N 153	<input checked="" type="checkbox"/> CHAM S/N 109		

POS.	TRIP DEPTH	CTD CONVERTED MONITOR VALUES				SAMPLE BOTTLE DATA	SAMPLE BOTTLE NUMBER			
		PRESSURE	PRI. TEMP.	SEC. TEMP	SALINITY	SALINITY	SAL	NUTR.	CHL	WHIT's NUTR.
1	Bottom	110					15			286L
2	75									285L
3	50									284L
4	40									283L
5	30									282L
6	20									281L
7	10									280L
8	0									279L
9										
10										
11										
12										

Fluoro Scale Factor set to 10
in .con file BEFORE this cast

VESSEL NOAA Ship MILLER FREEMAN				PROJECT & LEG MF-00-06				DSD8 I.D.				STATION DESIGNATION								
CONSC CAST #	LATITUDE		LONGITUDE		DATE JD=			TIME (GMT)	DRY BULB	WET BULB	PRESSURE	SEA STATE	VISIBILITY	WIND DIRN.	WIND SPD.	CLOUD (amt)	TYPE	WEATHER	BOTTOM DEPTH	STA. NAME/ID
	DEG	MIN	DEG	MIN	DAY	MO	YR	HR	MIN	(°C)	(°C)	(mb)	*	(deg)	(m/s)	*	*	*	(m)	
043	56	09.82	N	166	06.17	W	09	MAY	00	0237	11.1	0.0274	7	005	13	8	62	121		
SBE 9+ 91660				TIMES JD/TIME				DATA LOCATION				REMARKS								
PRESS SN 29772				DATA ON.				Tape/Diskette ID				File Name/Header								
PRI TEMP SN 889				START DOWN								CTD043								
SEC TEMP SN 884				AT DEPTH								<input checked="" type="checkbox"/> Cleaned air bleed valve								
PRI COND SN 480				AT SURFACE								MAX. DEPTH = 99 m								
SEC COND SN 530				<input type="checkbox"/> PAR S/N 4242				<input checked="" type="checkbox"/> FLUOR S/N 153				<input checked="" type="checkbox"/> CHIAM S/N 109								
POS.	TRIP DEPTH	CTD CONVERTED MONITOR VALUES								SAMPLE BOTTLE DATA		SAMPLE BOTTLE NUMBER								
		PRESSURE	PRI. TEMP.	SEC. TEMP	SALINITY				SALINITY	SAL.	NUTR.	CHL	WHIT's NUTR.							
1	BT									04			294L							
2	75												293L							
3	50												292L							
4	40												291L							
5	30												290L							
6	20												289L							
7	10												288L							
8	0												287L							
9																				
10																				
11																				
12																				

VESSEL NOAA Ship MILLER FREEMAN				PROJECT & LEG MF-00-06				DSDB I.D.				STATION DESIGNATION 43-15									
CONSC CAST #	LATITUDE		LONGITUDE		DATE JD=			TIME (GMT)	DRY BULB	WET BULB	PRESSURE	SEA STATE VISIBILITY	WIND DIRN.	WIND SPD.	CLOUD (ami)	WEATHER	BOTTOM DEPTH	STA. NAME/ID			
	DEG	MIN	DEG	MIN	DAY	MO	YR	HR	MIN	(°C)	(°C)	(mb)	*	(deg)	(m/s)	*	*	(m)			
050	56	52.71	N	164	03.35	W	10	MAY	00	20	14	1.8	1.1	34	36	29	51	28	82	72	
SBE 9+		91660	TIMES		JD/TIME		DATA LOCATION					REMARKS									
PRESS SN		29772	DATA ON.				Tape/Diskette ID		File Name/Header			68 = w/o									
PRI TEMP SN		889	START DOWN						CTD050												
SEC TEMP SN		884	AT DEPTH									<input checked="" type="checkbox"/> Cleaned air bleed valve									
PRI COND SN		480	AT SURFACE									MAX. DEPTH = 66 m									
SEC COND SN		530	<input type="checkbox"/> PAR S/N 4242		<input checked="" type="checkbox"/> FLUOR S/N 153		<input checked="" type="checkbox"/> CHIAM S/N 109														
POS.	TRIP DEPTH	CTD CONVERTED MONITOR VALUES						SAMPLE BOTTLE DATA		SAMPLE BOTTLE NUMBER											
		PRESSURE	PRI. TEMP.	SEC. TEMP	SALINITY			SALINITY	SAL	NUTR.	CHL	WHIT's NUTR.									
1	21								10			-									
2	21											342L									
3	11											341L									
4	8											-									
5	8											340L									
6	4											-									
7	4											339L									
8	3											-									
9	3											338L									
10	1											-									
11	1											337L									
12																					

No Salinity Terry W. needs all the water.

VESSEL NOAA Ship MILLER FREEMAN				PROJECT & LEG MF-00-06				DSDB I.D.				STATION DESIGNATION 46-16							
CONSC CAST #	LATITUDE		LONGITUDE		DATE JD=			TIME (GMT)	DRY BULB	WET BULB	PRESSURE	SEA STATE VISIBILITY	WIND DIRN.	WIND SPD.	CLOUD (amt)	TYPE	WEATHER	BOTTOM DEPTH	STA. NAME/ID
	DEG	MIN	DEG	MIN	DAY	MO	YR	HR	MIN	(°C)	(°C)	(mb)	*	(deg)	(m/s)	*	*	(m)	
0515	16	52.9	11	N	16	40	3	21	05	1.8	1.0	34	46	30	61	48	87	73	
SBE 9+	91660		TIMES		JD/TIME			DATA LOCATION				REMARKS							
PRESS SN	29772		DATA ON.					Tape/Diskette ID		File Name/Header		w/0 = 67							
PRI TEMP SN	889		START DOWN							CTD051									
SEC TEMP SN	884		AT DEPTH									<input checked="" type="checkbox"/> Cleaned air bleed valve							
PRI COND SN	480		AT SURFACE									MAX. DEPTH = 65 m							
SEC COND SN	530		<input type="checkbox"/> PAR S/N 4242		<input checked="" type="checkbox"/> FLUOR S/N 153			<input checked="" type="checkbox"/> CHIAM S/N 109											
POS.	TRIP DEPTH	CTD CONVERTED MONITOR VALUES						SAMPLE BOTTLE DATA		SAMPLE BOTTLE NUMBER									
		PRESSURE	PRI. TEMP.	SEC. TEMP	SALINITY		SALINITY		SAL	NUTR.	CHL	WHIT's NUTR.							
1	65								10			343L							
2	40											344L							
3	30											345L							
4	13											346L							
5	13											347L							
6	13											348L							
7	9											349L							
8	9											350L							
9	9											351L							
10	5																		
11	5																		
12	5																		

* NOTE
REVERSE
BOTTLE ORDER
FOR NUTRIENTS

Ended up with 65, 65, 40, 30
13 13 3 9 9 9
Rosette mis-use on first bottle

VESSEL				PROJECT & LEG				DSDB I.D.				STATION DESIGNATION											
NOAA Ship MILLER FREEMAN				MF-00-06								43-17											
CONSC CAST #	LATITUDE		LONGITUDE		DATE JD=			TIME (GMT)		DRY BULB	WET BULB	PRESSURE	SEA STATE	VISIBILITY	WIND DIRN.	WIND SPD.	CLOUD (amt)	TYPE	WEATHER	BOTTOM DEPTH	STA. NAME/ID		
	DEG	MIN	DEG	MIN	DAY	MO	YR	HR	MIN	(°C)	(°C)	(mb)	*	*	(deg)	(m/s)	*	*	*	(m)			
052	56	52.91	N	116	40	3.21	W	10	MAY	00	21	41	1.0	0.5	34	46	3	15	17	7	69	73	
SBE 9+		91660		TIMES		JD/TIME		DATA LOCATION				REMARKS											
PRESS SN		29772		DATA ON.				Tape/Diskette ID		File Name/Header		W0 = 68											
PRI TEMP SN		889		START DOWN						CTD 052													
SEC TEMP SN		884		AT DEPTH								<input type="checkbox"/> Cleaned air bleed valve											
PRI COND SN		480		AT SURFACE								MAX. DEPTH = 666 m											
SEC COND SN		530		<input type="checkbox"/> PAR S/N 4242		<input checked="" type="checkbox"/> FLUOR S/N 153		<input checked="" type="checkbox"/> CHAM S/N 109															
POS.	TRIP DEPTH	CTD CONVERTED MONITOR VALUES				SAMPLE BOTTLE DATA		SAMPLE BOTTLE NUMBER															
		PRESSURE	PRI. TEMP.	SEC. TEMP.	SALINITY	SALINITY	SAL.	NUTR.	CHL	WHIT's NUTR.													
1	5									14				352L									
2	5													353L									
3	5													354L									
4	5													355L									
5																							
6																							
7																							
8																							
9																							
10																							
11																							
12																							

added cast to pickup 5m samples

* REVERSE
ORDER