

These cast sheets are from AFSC fisheries cruise MF-03-09 Leg 1, Gulf of Alaska.

CTD001 was an acoustics calibration cast taken in a bay. There is no cast sheet for that cast.

A CD with this cast data was mailed to Bill Parker on 24 June along with these CTD cast forms.

Floering
24 June 2003

$28\frac{1}{2} \times 6\frac{1}{2}$ - outside
 $23\frac{1}{2} \times 5\frac{3}{4}$ - inside
($20\frac{1}{2}$)

[illegible]

[illegible]

[illegible]

[illegible]

[illegible]

VESSEL		PROJECT & LEG				COD I.D.		STATION DESIGNATION																				
NOAA Ship MILLER FREEMAN		MF-03-09																										
CONSECUTIVE	CAST #	LATITUDE		LONGITUDE		DATE			TIME		DRY		WET		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	BULB °C	BULB °C	WIND knt's	WIND knt's													WIND knt's	WIND knt's
00857	21917	151	19.7272	1	19	03	12	10	19	3	9	0	12	4	8	1	8	1	3	6								
SBE 9+		91660				Tape/Diskette ID			File Name/Header																			
PRESS SN		29772																										
PRI TEMP SN		710																										
SEC TEMP SN		884																										
PRI COND SN		304																										
SEC COND SN		530																										

VESSEL						PROJECT & LEG							COD I.D.		STATION DESIGNATION														
NOAA Ship MILLER FREEMAN						MF-03-09																							
CONSECUTIVE CAST #	LATITUDE			LONGITUDE			DATE			TIME		DRY		WET		PRESSURE	SEA STATE	VISIBILITY	WIND	DIRECTION	WIND SPEED	CLOUD (amt)	TYPE	WEATHER	BOTTOM DEPTH	STATION NAME / ID			
	DEG	MIN	SEC	DEG	MIN	SEC	DAY	MO	YR	HR	MIN	BULB °C	BULB °C	BULB °C	mb														
0105	74	36	10	15	20	00	09	32	22	JUN	03	11	45	9.3			16.18			296	7	38	1	117					
REMARKS																													
<div style="display: flex; justify-content: space-between;"> <div> <p>SBE 9+ PRESS SN 29772 PRI TEMP SN 710 SEC TEMP SN 884 PRI COND SN 304 SEC COND SN 530</p> </div> <div> <p>DATA LOCATION Tape/Diskette ID File Name/Header <u>CTD 010</u></p> </div> <div> <p><input checked="" type="checkbox"/> Cleaned air bleed valve</p> </div> </div>																													
						<input checked="" type="checkbox"/> PAR S/N=						<input checked="" type="checkbox"/> FLUOR S/N=						MAX. DEPTH (m) ChLAM S/N=											
						CTD CONVERTED MONITOR VALUES						SAMPLE BOTTLE DATA						SAMPLE BOTTLE NUMBER											
POSITION	TRIP DEPTH	PRESSURE	PRIMARY TEMP	SECONDARY TEMP	SALINITY	SALINITY																				SAL	NUTR	CHL	WHIT'S NUTR
1	106	107.044			32.2798																					48			
2																													
3																													
4																													
5																													
6																													
7																													
8																													
9																													
10																													
11																													
12																													

[illegible]

VESSEL		PROJECT & LEG		COD I.D.		STATION DESIGNATION																		
NOAA Ship MILLER FREEMAN		MF-03-09																						
CONSECUTIVE	CAST #	LATITUDE			LONGITUDE			DATE			TIME		DRY BULB °C	WET BULB °C	PRESSURE mb	SEA STATE	VISIBILITY	WIND DIRECTION	WIND SPEED knt's	CLOUD (amt)	WEATHER	BOTTOM DEPTH	STATION NAME / ID	
		DEG	MIN	SEC	DEG	MIN	SEC	DAY	MO	YR	HR	MIN												
012	5808	38	01	52	34	52	72	4	JUN	03	01	03	10	16	16	18	09	8	16	8	86	055		
SBE 9+		91660			TIMES			DATA LOCATION			Tape/Diskette ID		File Name/Header		REMARKS									
PRESS SN		29772			DATA ON										Cal #2									
PRI TEMP SN		710			START DOWN										x Cleaned air bleed valve									
SEC TEMP SN		884			AT DEPTH										MAX. DEPTH (m)									
PRI COND SN		304			AT SURFACE										ChLAM S/N=									
SEC COND SN		530						PAR S/N=			FLUOR S/N=				SAMPLE BOTTLE NUMBER									
POSITION		CTD CONVERTED MONITOR VALUES										SAMPLE BOTTLE DATA		SAMPLE BOTTLE NUMBER										
TRIP DEPTH	PRESSURE	PRIMARY TEMP	SECONDARY TEMP	SALINITY	SALINITY						SAL	NUTR	CHL	WHIT's NUTR										
1	46.224			32.007																				
2																								
3																								
4																								
5																								
6																								
7																								
8																								
9																								
10																								
11																								
12																								

VESSEL		PROJECT & LEG				COD I.D.		STATION DESIGNATION																
NOAA Ship MILLER FREEMAN		MF-03-09																						
CONSECUTIVE	CAST #	LATITUDE			LONGITUDE			DATE			TIME		DRY BULB °C	WET BULB °C	PRESSURE mb	SEA STATE	VISIBILITY	WIND DIRECTION	WIND SPEED	CLOUD (amt)	WEATHER	BOTTOM DEPTH	STATION NAME / ID	
		DEG	MIN	SEC	DEG	MIN	SEC	DAY	MO	YR	HR	MIN												
01	35728	28	28	8	15	44	23	07	01	20	03	04	34	11	19	11	43	8	12	8	2	66		
SBE 9+		91660						DATA LOCATION																
PRESS SN		29772						Tape/Diskette ID			File Name/Header													
PRI TEMP SN		710																						
SEC TEMP SN		884																						
PRI COND SN		304																						
SEC COND SN		530																						
		✓ PAR S/N=			✓ FLUOR S/N=																			
		DATA ON			START DOWN																			
		AT DEPTH			AT SURFACE																			
		530																						
		CTD CONVERTED MONITOR VALUES																						
		SAMPLE BOTTLE DATA																						
		SAMPLE BOTTLE NUMBER																						
		SALINITY			SALINITY			SALINITY																
		32			14																			
		14																						

[illegible]

[illegible]

VESSEL		PROJECT & LEG		COD I.D.		STATION DESIGNATION																				
NOAA Ship MILLER FREEMAN		MF-03-09																								
CONSECUTIVE	CAST #	LATITUDE		LONGITUDE		DATE			TIME		DRY		WET		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	BULB °C	BULB °C	BULB °C	mb												
02	15906	52	8	150	58	04	JUN	03	10	31	13	19	12	01	33	8	29	4	15	1	1	1	160			
SBE 9+		91660		TIMES		DATA LOCATION			File Name/Header		Tape/Diskette ID		CTD021													
PRESS SN		29772		DATA ON																						
PRI TEMP SN		710		START DOWN																						
SEC TEMP SN		884		AT DEPTH																						
PRI COND SN		304		AT SURFACE																						
SEC COND SN		530																								

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VESSEL		PROJECT & LEG		COD I.D.		STATION DESIGNATION															
NOAA Ship MILLER FREEMAN		MF-03-09																			
CONSECUTIVE	CAST #	LATITUDE		LONGITUDE		DATE		TIME		DRY BULB °C	WET BULB °C	PRESSURE mb	SEA STATE	VISIBILITY	WIND DIRECTION	WIND SPEED	CLOUD (amt)	TYPE	WEATHER	BOTTOM DEPTH	STATION NAME / ID
		DEG	MIN	DEG	MIN	DAY	MO	YR	HR												
026	5758	026	149	48	029	07	14	03	23	11	19	16	38	2	20	11	22				
SBE 9+		91660		TIMES		DATA LOCATION		File Name/Header		REMARKS											
PRESS SN		29772		DATA ON		Tape/Diskette ID				wind was strong way 45kts the CTD on bottom instead of coming up											
PRI TEMP SN		710		START DOWN				CTD 026		<input checked="" type="checkbox"/> Cleaned air bleed valve											
SEC TEMP SN		884		AT DEPTH						MAX. DEPTH (m) 206 - 213											
PRI COND SN		304		AT SURFACE						ChLAM SN=											
SEC COND SN		530		<input checked="" type="checkbox"/> PAR SN=		<input checked="" type="checkbox"/> FLUOR SN=				SAMPLE BOTTLE NUMBER											
POSITION		CTD CONVERTED MONITOR VALUES										SAMPLE BOTTLE DATA									
TRIP DEPTH	PRESSURE	PRIMARY TEMP	SECONDARY TEMP	SALINITY	SALINITY	SALINITY	SALINITY	SALINITY	SALINITY	SALINITY	SALINITY	SALINITY	SALINITY	SALINITY	SALINITY	SALINITY	SALINITY	SALINITY	SALINITY	SALINITY	WHIT'S NUTR
1	206																				
2	2																				
3																					
4																					
5																					
6																					
7																					
8																					
9																					
10																					
11																					
12																					

Salinity spikes at 10-12 meters. 30m at a drop rate of 12 meters/min. CTD 027 is at same location.

VESSEL		PROJECT & LEG				COD I.D.		STATION DESIGNATION																	
NOAA Ship MILLER FREEMAN		MF-03-09																							
CONSECUTIVE	CAST #	LATITUDE		LONGITUDE		DATE		TIME		DRY BULB °C	WET BULB °C	PRESSURE mb	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			
0275	258	11	63	149	48	06	70	7	12	47										213					
SBE 9+		91660		TIMES		DATA LOCATION		File Name/Header																	
PRESS SN		29772		DATA ON		Tape/Diskette ID																			
PRI TEMP SN		710		START DOWN																					
SEC TEMP SN		884		AT DEPTH																					
PRI COND SN		304		AT SURFACE																					
SEC COND SN		530		PAR S/N=		FLUOR S/N=																			
				CTD CONVERTED MONITOR VALUES																					
POSITION		TRIP DEPTH		PRESSURE		PRIMARY TEMP		SECONDARY TEMP		SALINITY		DATA		SAMPLE BOTTLE		SAMPLE BOTTLE NUMBER		SAL		NUTR		CHL		WHIT'S NUTR	
1																									
2																									
3																									
4																									
5																									
6																									
7																									
8																									
9																									
10																									
11																									
12																									

2nd cast at same location as CTD 026 - salinity spikes at surface
 This one to 30 m at 12 meters per min. drop rate.

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CONSECUTIVE CAST #	LATITUDE			LONGITUDE			DATE			TIME		DRY BULB °C		WET BULB °C		PRESSURE mb	SEA STATE	VISIBILITY	WIND deg	DIRECTION	WIND SPEED knt's	CLOUD (amt)	TYPE	WEATHER	BOTTOM DEPTH	STATION NAME / ID	
	DEG	MIN	SEC	DEG	MIN	SEC	DAY	MO	YR	HR	MIN	°C	°C														
028594	15	57	3	14	58	2	09	03	08	13	51	13	52	31	18	00	3	07	21	11	198						
SBE 9+	TIMES																										
PRESS SN	DATA ON																										
PRI TEMP SN	START DOWN																										
SEC TEMP SN	AT DEPTH																										
PRI COND SN	AT SURFACE																										
SEC COND SN	PAR S/N=																										
CTD CONVERTED MONITOR VALUES																											
FLUOR S/N=																											
ChLAM S/N=																											
MAX DEPTH (m) 194																											
<input checked="" type="checkbox"/> Cleaned air bleed valve																											
REMARKS																											
SAMPLE BOTTLE DATA																											
SAMPLE BOTTLE NUMBER																											
POSITION	TRIP DEPTH	PRESSURE	PRIMARY TEMP	SECONDARY TEMP	SALINITY	DATA																				SAMPLE BOTTLE NUMBER	
1	194																										
2																											
3																											
4																											
5																											
6																											
7																											
8																											
9																											
10																											
11																											
12																											

[illegible]

VESSEL						PROJECT & LEG							COD I.D.				STATION DESIGNATION												
NOAA Ship MILLER FREEMAN						MF-03-09																							
CONSECUTIVE CAST #		LATITUDE			LONGITUDE			DATE			TIME			DRY BULB °C		WET BULB °C		PRESSURE mb	SEA STATE	VISIBILITY	WIND deg	DIRECTION	WIND SPEED knt's	CLOUD (amt)	TYPE	WEATHER	BOTTOM DEPTH	STATION NAME / ID	
		DEG	MIN	SEC	DEG	MIN	SEC	DAY	MO	YR	HR	MIN	SEC	BULB	BULB	mb													
0315925	480	147	37	586	12	03	11	03	11	03	11	03	11	03	11	03	11	03	11	03	11	03	11	03	11	03	11	03	
SBE 9+		91660						DATA LOCATION			File Name/Header																		
PRESS SN		29772						Tape/Diskette ID			CTD0031																		
PRI TEMP SN		710																											
SEC TEMP SN		884																											
PRI COND SN		304																											
SEC COND SN		530																											

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