







VESSEL: NOAA Ship MILLER FREEMAN PROJECT & LEG: MF-05-02 COD I.D.: STATION DESIGNATION: *Salmon*

CONSECUTIVE CAST #: 0045705.791 DEGREE MIN DEGREE MIN DAY MO YR HR MIN °C °C mb deg knt's

LATITUDE: 15103.28825 LONGITUDE: 168052110 DATE: 052110 TIME: 0417 DRY BULB: 3.1 WET BULB: 3.1 PRESSURE: 993.8 SEA STATE: 20 WIND: 17

DATE: 052110 TIME: 0417 DRY BULB: 3.1 WET BULB: 3.1 PRESSURE: 993.8 SEA STATE: 20 WIND: 17

DATA LOCATION: File Name/Header: *CTD 004*

DATA ON START DOWN AT DEPTH AT SURFACE PAR S/N= FLUOR S/N=

CTD CONVERTED MONITOR VALUES

REMARKS: *estimate on bottom depth*

Cleaned air bleed valve

MAX. DEPTH (m) CHLAM S/N=

SAMPLE BOTTLE DATA

SAMPLE BOTTLE NUMBER

POSITION	TRIP DEPTH	PRESSURE	PRIMARY TEMP	SECONDARY TEMP	SALINITY	SALINITY	SAL	NUTR	CHL	WHIT'S NUTR
1	0m						96			
2	10m									
3	20m									
4	30m									
5	40m									
6	50m									
7	150m									
8	200m									
9	5m from bot.									
10										
11										
12										







CONSECUTIVE CAST #		LATITUDE		LONGITUDE		DATE		TIME	DRY	WET	PRESSURE	SEA STATE	VISIBILITY	WIND	DIRECTION	WIND SPEED	CLOUD (amt)	WEATHER	BOTTOM	STATION	
DEG	MIN	DEG	MIN	DEG	MIN	DAY	MO	YR	HR	MIN	BULB °C	BULB °C	mb	deg	knts				DEPTH	NAME / ID	
00	757	00	181	15	53	27	FE	20	04	15	4.4	2.7	701	28	030	09	5			84	

SBE 9+ 91220 DATA ON TIMES  
 PRESS SN 80020 DATA ON  
 PRI TEMP SN 710 START DOWN  
 SEC TEMP SN 884 AT SURFACE  
 PRI COND SN 915 AT SURFACE  
 SEC COND SN 50034 PAR SN=  
 FLUOR S/N=  
 CTD CONVERTED MONITOR VALUES  
 DATA LOCATION  
 Tape/Diskette ID File Name/Header  
 CTD07  
 X Cleaned air bleed valve  
 MAX. DEPTH (m) 79  
 CHLAM S/N=  
 REMARKS  
 Wind 77

*cond. cells cleaned with T-100 no improvement*

POSITION	TRIP DEPTH	PRESSURE	PRIMARY TEMP	SECONDARY TEMP	SALINITY	SALINITY	SAL	NUTR	CHL	WHIT'S	SAMPLE BOTTLE NUMBER
1	0.2m						105				
2	10m										
3	20m										
4	30m										
5	40m										
6	50m										
7	150m										
8	200m										
9	5m from bot.										
10											
11											
12											









CONSECUTIVE CAST #: 011 DEGR MIN DEG MIN DAY MO YR HR MIN °C °C mb deg knt's

011	5655	83	21	27	28	05	08	10	3.0	2.2	204	28	33	007	1	47	
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SBE 9+ 91220 DATA ON \_\_\_\_\_ DATA LOCATION \_\_\_\_\_  
 PRESS SN 80020 Tapes/Diskette ID File Name/Header CTD011  
 PRI TEMP SN 710 START DOWN \_\_\_\_\_  
 SEC TEMP SN 884 AT DEPTH \_\_\_\_\_  
 PRI COND SN 915 AT SURFACE \_\_\_\_\_  
 SEC COND SN 530 PAR S/N= \_\_\_\_\_ FLUOR S/N= \_\_\_\_\_  
 MAX. DEPTH (m) 92 m  
 CHLAM S/N= \_\_\_\_\_

CTD CONVERTED MONITOR VALUES

POSITION	TRIP	PRESSURE	PRIMARY TEMP	SECONDARY TEMP	SALINITY	SALINITY	SAL	NUTR	CHL	WHIT'S NUTR
	DEPTH									
1	0m						97			
2	40m							MZ		
3	20m							MZ		
4	30m							MZ		
5	40m							MZ		
6	60m							MZ		
7	100m							MZ		
8	200m									
9	5m from bot									
10										
11										
12										





VESEL NOAA Ship MILLER FREEMAN PROJECT & LEG MF-05-02 COD I.D. STATION DESIGNATION 67 Haul 2

CONSECUTIVE CAST #	LATITUDE	LONGITUDE	DATE	TIME	DRY BULB	WET BULB	PRESSURE	SEA STATE	VISIBILITY	WIND	DIRECTION	WIND SPEED	CLOUD (amt)	TYPE	WEATHER	BOTTOM DEPTH	STATION NAME / ID
013562576	15238.04	4228	FEB 65	1455	3.5	2.0	28	24	2	04	9	135					

SBE 9+ 91220 DATA ON \_\_\_\_\_ DATA LOCATION \_\_\_\_\_  
 PRESS SN 80020 START DOWN \_\_\_\_\_ Tape/Diskette ID File Name/Header  
 PRI TEMP SN 710 AT DEPTH \_\_\_\_\_ CTD 13A  
 SEC TEMP SN 884 AT SURFACE \_\_\_\_\_  
 PRI COND SN 915 PAR SN= \_\_\_\_\_  
 SEC COND SN 304 -690 FLUOR SN= \_\_\_\_\_  
 CTD CONVERTED MONITOR VALUES

CTD DATA

POSITION	TRIP DEPTH	PRESSURE	PRIMARY TEMP	SECONDARY TEMP	SALINITY	SALINITY	SAL	NUTR	CHL	WHIT'S NUTR
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POSITION	TRIP DEPTH	PRESSURE	PRIMARY TEMP	SECONDARY TEMP	SALINITY	SALINITY	SAL	NUTR	CHL	WHIT'S NUTR
1	0m	128.2					21			
2	10m	49.2								
3	20m	39.5								
4	30m	30.1								
5	40m	19.7								
6	50m	10.2								
7	150m	2.1								
8	200m	2.1								
9	5m from bot.									
10										
11										
12										

CONSECUTIVE CAST #	LATITUDE	LONGITUDE	DATE	TIME GMT	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
01456	38.66N	153.53W	01 MAR 05	0826	21.3	11.2	0118265	04	1							74	

SBE 9+ 91220 DATA ON TIMES DATA LOCATION  
 PRESS SN 80020 START DOWN Tape/Diskette ID File Name/Header  
 PRI TEMP SN 710 AT DEPTH  
 SEC TEMP SN 884 AT SURFACE  
 PRI COND SN 915 PAR S/N=  
 SEC COND SN 800304 FLUOR S/N=  
 Cleaned air bleed valve  
 MAX. DEPTH (m) 70  
 CHLAM S/N=

*Bottom Bottle leader so  
 Sal Sample taken at 0m*

POSITION	TRIP DEPTH	PRESSURE	PRIMARY TEMP	SECONDARY TEMP	SALINITY	SALINITY	SAL	NUTR	CHL	WHIT'S NUTR	SAMPLE BOTTLE DATA	SAMPLE BOTTLE NUMBER
1	0m Bot											
2	5m 50											
3	20m 40											
4	30m 30											
5	40m 20											
6	50m 10											
7	150m 0											
8	200m 0											
9	5m from bot											
10												
11												
12												



VESSEL: NOAA Ship MILLER FREEMAN PROJECT & LEG: MF-05-02 COD I.D. STATION DESIGNATION: 7641

CONSECUTIVE CAST #: 5618889

DEG	MIN	DEG	MIN	DAY	MO	YR	HR	MIN	BULB °C	BULB °C	PRESSURE mb	SEA STATE	VISIBILITY	WIND deg	DIRECTION	WIND SPEED knts	CLOUD (amt)	TYPE	WEATHER	BOTTOM DEPTH	STATION NAME / ID
56	18	88	89	15	3	05	12	12	03.6	0.6	99.2			089		6				68	76

SBE 9+ PRESS SN: 91220 DATA ON: \_\_\_\_\_  
 PRI TEMP SN: 80020 START DOWN: \_\_\_\_\_  
 SEC TEMP SN: 710 AT DEPTH: \_\_\_\_\_  
 PRI COND SN: 884 AT SURFACE: \_\_\_\_\_  
 SEC COND SN: 915 PAR SN= \_\_\_\_\_  
 FLUOR S/N= \_\_\_\_\_  
 CHLAM S/N= \_\_\_\_\_

DATA LOCATION: \_\_\_\_\_  
 Tape/Diskette ID: \_\_\_\_\_  
 File Name/Header: CTD 015

REMARKS:  Cleaned air bleed valve  
 MAX. DEPTH (m): 67.2

CTD CONVERTED MONITOR VALUES

POSITION	TRIP DEPTH	PRESSURE	PRIMARY TEMP	SECONDARY TEMP	SALINITY	SALINITY	SAL	NUTR	CHL	WHIT'S NUTR
1	0m Bot	61.8					03			
2	10m-50	51.0								
3	20m-40	40.2								
4	30m-30	30.9								
5	40m-20	20.3								
6	50m-12	10.5								
7	159m-0	1.7								
8	200m-0	1.5								
9	5m from bot.									
10										
11										
12										

