

NOTE: SARAH WILL CHECK DURING CAST WHETHER A SECOND CVD CAST NEEDS TO BE TAKEN.

[illegible]

[illegible]

VESSEL				PROJECT & LEG				STATION DESIGNATION											
NOAA RV MILLER FREEMAN				MF04-11															
CONSEC CAST #	LATITUDE		LONGITUDE		DATE JD= 234		TIME (GMT)	DRY BULB	WET BULB	PRESSURE	SEA STATE	VISIBILITY	WIND DIRN.	WIND SPD.	CLOUD (amt)	TYPE	WEATHER	BOTTOM DEPTH	STA. NAME/ID
004	57	7.80 N	170	33.89 W	30	S E P 04	1143	8.6	5.0	22			340	25				64	
SBE 9Plus	91220A		TIMES		JD/TIME		DATA LOCATION												
PRESS SN	80020		DATA ON				Tape/Diskette ID												
PRI COND	915		START DOWN				File Name/Header												
PRI TEMP	710		AT DEPTH				CTD004												
SEC COND	304		AT SURFACE				MAX. DEPTH = m												
SEC TEMP	884		<input checked="" type="checkbox"/> WETStar S/N 1036P <input checked="" type="checkbox"/> PAR S/N 4242		<input type="checkbox"/>		<input type="checkbox"/> Cleaned air bleed valve												
CTD CONVERTED MONITOR VALUES																			
POS.	TRIP DEPTH	PRESSURE	PRI. TEMP.	SEC. TEMP.	PRI. SALINITY	SEC. SALINITY	SALINITY	SAMPLE BOTTLE DATA				SAMPLE BOTTLE NUMBER				WHIT'S			
1	5 m from bottom																		
2	12																		289.4
3	12																		289.4
4	12																		288.4
5																			
6																			
7																			
8																			
9																			
10																			
11																			
12																			

BEFORE RECON OF

OHP1P-5A

VESSEL		PROJECT & LEG		STATION DESIGNATION															
NOAA RV MILLER FREEMAN		MF04-11																	
CONSEC CAST #	LATITUDE		LONGITUDE		DATE JD= 234		TIME (GMT)	DRY BULB	WET BULB	PRESSURE	SEA STATE	VISIBILITY	WIND DIRN.	WIND SPD.	CLOUD (amt)	WEATHER	BOTTOM DEPTH	STA. NAME/ID	
605	DEG	MIN	DEG	MIN	DAY	MO	YR	HR	MIN	(°C)	(°C)	(mb)	(deg)	(m/s)	.	.	(m)		
57	7.80	N	171	12.48	W	30	S	E	P	04	14	11	8.2	7.0	23		315	18	101
SBE 9Plus	91220A		TIMES		JD/TIME		DATA LOCATION												
PRESS SN	80020		DATA ON		Tape/Diskette ID														
PRI COND	915		START DOWN		File Name/Header														
PRI TEMP	710		AT DEPTH		CTD005														
SEC COND	304		AT SURFACE																
SECTEMP	884		<input checked="" type="checkbox"/> WET Star S/N 1036P		<input checked="" type="checkbox"/> PAR S/N 4242		<input type="checkbox"/>		<input type="checkbox"/> Cleaned air bleed valve										
CTD CONVERTED MONITOR VALUES																			
POS.	TRIP DEPTH	PRESSURE	PRI. TEMP.	SEC. TEMP.	PRI. SALINITY	SEC. SALINITY	SALINITY	SAMPLE BOTTLE DATA											
1	5 m from bottom							SAL.	NUTR.	CHL.	WHIT'S.								
2	12							35				289							
3	12											289							
4	12											288							
5																			
6																			
7																			
8																			
9																			
10																			
11																			
12																			

REMARKS
BEFORE RETURN OF
OHPIT-3A

MAX. DEPTH = m

VESSEL		PROJECT & LEG		STATION DESIGNATION	
NOAA R/V MILLER FREEMAN		ME04-11			
CONSEC CAST #	LATITUDE	LONGITUDE	DATE JD=	TIME (GMT)	DRY BULB
066	57 25.05 N	169 41.48 W	01 25 01 4	0046	9.1
DEG	MIN	DEG	MIN	DAY	MO
				YR	HR
				MIN	(°C)
					(°C)
					(mb)
					(deg)
					(m/s)
					CLOUD (amt)
					TYPE
					WEATHER
					BOTTOM DEPTH
					STA. NAME/ID
SBE 9Plus	91220A	TIMES	JD/TIME	DATA LOCATION	
PRESS SN	80020	DATA ON		Tape/Diskette ID	
PRI COND	915	START DOWN		File Name/Header	
PRI TEMP	710	AT DEPTH		CTD 006	
SEC COND	304	AT SURFACE		MAX. DEPTH = 61 m	
SEC TEMP	884	<input checked="" type="checkbox"/> WETStar SN 1036P	<input checked="" type="checkbox"/> PAR SN 4242	<input type="checkbox"/> Cleaned air bleed valve	
CTD CONVERTED MONITOR VALUES					
POS.	TRIP DEPTH	PRESSURE	PRI. TEMP.	SEC. TEMP.	PRI. SALINITY
1	5 m from bottom				
2	11				
3	11				
4	11				
5					
6					
7					
8					
9					
10					
11					
12					
SAMPLE BOTTLE DATA					
SAMPLE BOTTLE NUMBER					
SAL. NUTR. CHL. WHIT'S NUTR.					
28					
288					
289					
288					

VESSEL		PROJECT & LEG		STATION DESIGNATION														
NOAA RV MILLER FREEMAN		MF04-11																
CONSEC CAST #	LATITUDE	LONGITUDE		DATE JD= 275		TIME (GMT)	DRY BULB	WET BULB	PRESSURE	SEA STATE	VISIBILITY	WIND DIRN.	WIND SPD.	CLOUD (amt)	TYPE	WEATHER	BOTTOM DEPTH	STA. NAME/ID
007	57 51.50 N	168	51.43 W	01	01	01	01	01	01	01	01	01	01	01	01	01	01	01
DEG	MIN	DEG	MIN	DAY	MO	YR	HR	MIN	(°C)	(°C)	(mb)	(deg)	(m/s)				(m)	
SBE 9Plus 91220A TIMES JD/TIME PRESS SN 80020 DATA ON PRI COND 915 START DOWN PRI TEMP 710 AT DEPTH SEC COND 304 AT SURFACE SBE TEMP 884 <input checked="" type="checkbox"/> WET Star S/N 1036P <input checked="" type="checkbox"/> PAR S/N 4242 <input type="checkbox"/> Cleaned air bleed valve																		
CTD CONVERTED MONITOR VALUES																		
POS.	TRIP DEPTH	PRESSURE	PRI. TEMP.	SEC. TEMP.	PRI. SALINITY	SEC. SALINITY	SALINITY	SAMPLE BOTTLE DATA	SAMPLE BOTTLE NUMBER									
1	5 m from bottom																	
2	50																	
3	40																	
4	30																	
5	20																	
6	13.5																	
7	11																	
8	11																	
9	11																	
10	0																	
11																		
12																		
REMARKS AFTER DEPTH OF 0485-483																		
MAX. DEPTH = m																		

[illegible]

VESSEL				PROJECT & LEG				STATION DESIGNATION										
NOAA R/V M11 ED				MF04-11														
CONSEC CAST #	LATITUDE		LONGITUDE		DATE JD=275		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)	
9	56	38.11	N	150	5	28	W	01	08	04	19	46	71.5	6.8	18	120	05	101
SBE 9Plus	91220A		TIMES		JD/TIME		DATA LOCATION		REMARKS									
PRESS SN	80020		DATA ON				Tape/Diskette ID		File Name/Header									
PRI COND	915		START DOWN						CTD009									
PRI TEMP	710		AT DEPTH															
SEC COND	304		AT SURFACE															
SECTEMP	884		<input checked="" type="checkbox"/> WET Star S/N 1036P		<input checked="" type="checkbox"/> PAR S/N 4242		<input type="checkbox"/>		<input type="checkbox"/> Cleaned air bleed valve									
CTD CONVERTED MONITOR VALUES																		
POS.	TRIP DEPTH	PRESSURE	PRI. TEMP.	SEC. TEMP.	PRI. SALINITY	SEC. SALINITY	SALINITY	SAMPLE BOTTLE DATA	SAMPLE BOTTLE NUMBER									
1	98 5 m from bottom								SAL.	NUTR.	CHL.	WHIT'S.						
2	24								60									
3	12												✓	288				
4	12												✓					
5	12												✓					
6																		
7																		
8																		
9																		
10																		
11																		
12																		

N1
TKT

REMARKS
ATTEMPTED
BEFORE REASON OF
OATP-2A

MAX DEPTH = m

VESSEL				PROJECT & LEG				STATION DESIGNATION										
NOAA R/V MILLER FREEMAN				MF04-11														
CONSEC 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)	
010	516	17.02	N	169	42.53	W	02	08	16	8.8	7.0	114	150	8	.	.	232	
SBE 9Plus	91220A		TIMES		JD/TIME		DATA LOCATION											
PRESS SN	80020		DATA ON				Tape/Diskette ID											
PRI COND	915		START DOWN				File Name/Header											
PRI TEMP	710		AT DEPTH				CTD010											
SEC COND	304		AT SURFACE				MAX. DEPTH = m											
SECTEMP	884		<input checked="" type="checkbox"/> WET Star S/N 1036P		<input checked="" type="checkbox"/> PAR S/N 4242		<input type="checkbox"/>		<input type="checkbox"/> Cleaned air bleed valve									
CTD CONVERTED MONITOR VALUES																		
POS.	TRIP DEPTH	PRESSURE	PRI. TEMP.	SEC. TEMP.	PRI. SALINITY	SEC. SALINITY	SALINITY	SAMPLE BOTTLE DATA										
								SAMPLE BOTTLE NUMBER										
								SAL.	NUTR.	CHL.	WHIT'S.							
1	236 5 m from bottom							10										
2																		
3																		
4																		
5																		
6																		
7																		
8																		
9																		
10																		
11																		
12																		

REMARKS
 RECORDED
 OF 04R18-7A

VESSEL		PROJECT & LEG		STATION DESIGNATION	
NOAA R/V MILLER FREEMAN		MF04-11			
CONSEC CAST #	37.73 N	LATITUDE	53.41	DATE JD= 296	TIME (GMT) 0615
DEG	MIN	DEG	MIN	DAY	MO
011	56	168	0	2	014
SBE 9Plus		TIMES		JD/TIME	
91220A					
PRESS SN	80020	DATA ON		Tape/Diskette ID	
PRI COND	915	START DOWN		File Name/Header	
PRI TEMP	710	AT DEPTH		CTD011	
SEC COND	304	AT SURFACE		MAX DEPTH = m	
SECTEMP	884	<input checked="" type="checkbox"/> WETStar S/N 1036P		<input checked="" type="checkbox"/> PAR S/N 4242	
CTD CONVERTED MONITOR VALUES					
POS.	TRIP DEPTH	PRESSURE	PRI. TEMP.	SEC. TEMP.	PRI. SALINITY
1	5 m from bottom				
2	12				
3	12				
4	12				
5					
6					
7					
8					
9					
10					
11					
12					
SAMPLE BOTTLE DATA					
SAMPLE BOTTLE NUMBER					
SAL. NUTR. CHL. WHIT'S					
289					
288					
289					

from 0322

RECORD REASON OF
OARIR-1A

[illegible]