

[illegible]

[illegible]

VESSEL		PROJECT & LEG		STATION DESIGNATION	
NOAA Ship MILLER FREEMAN		MF97-09A		D1	
CONSCAST #	LATITUDE		LONGITUDE		DATE JD=
	DEG	MIN	DEG	MIN	DAY MO YR
003	56	16.77	N	169	26.54
	TIME		TIME		TIME
	JD/TIME		JD/TIME		JD/TIME
	252/2243		252/2244		252/2301
	252/2301		253/		
TYPE & SN	911 + 91660		DATA ON		252/2243
PRESS SN	29772		START DOWN		252/2244
TEMP SN	889		AT DEPTH		252/2301
COND SN	530		AT SURFACE		253/
TEMP SN	701/303		PAR		FLUOR
		CHIAM		TRANSMISSOMETER	
POS.	TRIP DEPTH	CTD CONVERTED MONITOR VALUES			
		PRESSURE	PRI. TEMP.	SEC. TEMP.	SALINITY
1	235	235 238.108	4.1346	4.1346	28.4614 (bad)
2	200	200 201.879	4.2011	4.2010	Bad
3	150	150 152.239	4.4015	4.4006	
4	100	100 101.141	4.7292	4.7292	
5	75	75 76.079	4.9671	4.9670	
6	50	50 51.157	4.7589	4.7557	
7	40	41 41.067	5.6321	5.6349	
8	30	30 30.731	6.1837	6.1837	
9	20	20 19.920	8.0484	8.0465	
10	10	10 10.337	9.1255	9.1344	
11	0	2.5 2.631	9.2350	9.2363	
12					

DATA LOCATION		SAMPLE BOTTLE DATA		SAMPLE BOTTLE NUMBER	
File Name/Header	Tape/Diskette ID	SALINITY	SAL.	NUTRIENT	OTHER
CAST003	9101	33.2874	27	x969	
	28.47			x968	
				x967	
				x966	
				x965	
				x964	Chl
					Chl
				x963	Chl
					Chl
				x962	Chl
				x961	Chl

REMARKS	
First Cast with bottle	
trips. Primary sal is	
bad, secondary is okay	
MAX. DEPTH = 235 m	

VESSEL		PROJECT & LEG		STATION DESIGNATION							
NOAA Ship MILLER FREEMAN		MF97-09A		D3							
CONSC CAST #	LATITUDE	LONGITUDE	DATE JD=	TIME (GMT)	WET BULB	WIND DIRN.	WIND SPD.	WEATHER	BOTTOM DEPTH	STA. NAME/ID	
005	24.15 N	169.27 W	253	0100	9.1	251	0.8	72	12	13-1	
CTD		JD/TIME		DATA LOCATION		REMARKS					
TYPE & SN 911 + 91660		DATA ON 253/00:46		Tape/Diskette ID File Name/Header		10 m/m					
PRESS SN 24772		START DOWN 253/00:48		Tape 1 / 39146		CAST 005					
TEMP SN 889		AT DEPTH 253/00:59		Tape 1 51:53							
COND SN 480		AT SURFACE 253/01:10				MAX. DEPTH = 115 m					
TEMP SN 701/303		<input checked="" type="checkbox"/> PAR <input checked="" type="checkbox"/> FLUOR <input checked="" type="checkbox"/> CHIAM <input type="checkbox"/> TRANSMISSOMETER									
POS.	TRIP DEPTH	CTD CONVERTED MONITOR VALUES									
		PRESSURE	PRI. TEMP.	SEC. TEMP.	SALINITY	SAMPLE BOTTLE DATA					SAMPLE BOTTLE NUMBER
1	115	116.548	4.1105	4.1105	33.2946	SALINITY					SAL. NUTRIENT OTHER
2	100	101.400	4.1126	4.1131	33.2892						X 983 X 982
3	75	76.158	4.0500	4.0499	32.6729						X 981 X 980
4	50	51.089	3.6680	3.6672	32.1776						X 979 X
5	40	41.065	4.2330	4.2321	31.9629						X 978 X
6	20	30.735	7.6481	7.5981	32.0191						24 X 977 X
7	20	20.116	9.8361	9.8364	31.9980						
8	10	10.649	9.9134	9.9075	31.9593						
9	0	2.4	2.538	9.9570	31.9387						
10											
11											
12											

VESSEL			PROJECT & LEG			STATION DESIGNATION																
NOAA Ship MILLER FREEMAN			MF97-09A			D4																
CONSC CAST #	LATITUDE		LONGITUDE		DATE JD=253		TIME (GMT)	DRY BULB (°C)	WET BULB (°C)	PRESSURE (mb)	SEA STATE	WIND DIRN. (deg)	WIND SPD. (m/s)	CLOUD (amt)	TYPE	WEATHER	BOTTOM DEPTH (m)	STA. NAME/ID				
	DEG	MIN	DEG	MIN	DAY	MO													YR	HR	MIN	
00656	27	32 N	169	28	43 W	10	SEP	97	01	53	91.5	91.0	2037	248	09	872	984	1				
CTD			JD/TIME		TIMES		DATA LOCATION												REMARKS			
TYPE & SN 911+ 91660			DATA ON 253/01:42		Tape/Diskette ID		File Name/Header												10 m			
PRESS SN 29772			START DOWN 253/01:44		Tape		52:16												CAST 006			
TEMP SN 889			AT DEPTH 253/01:54																			
COND SN 480			AT SURFACE 253/02:02																		MAX. DEPTH = 91 m	
TEMP SN 701/303			PAR		FLUOR		CHAM		TRANSMISSOMETER													
POS.	TRIP DEPTH	CTD CONVERTED MONITOR VALUES																				
		PRESSURE	PRI. TEMP.	SEC. TEMP.	SALINITY	SAMPLE BOTTLE DATA		SAMPLE BOTTLE NUMBER														
1	92	91 92.256	4.6595	4.6595	33.2256			SAL.	NUTRIENT	OTHER												
2	75	75 75.794	3.7386	3.7388	32.4710																	
3	50	50 51.113	5.4911	5.4912	31.7710																	
4	40	40 41.016	5.776	5.7794	31.7512																	
5	30	30 30.527	8.2137	8.2147	31.7908																	
6	20	20 20.765	9.7260	9.7247	31.8235																	
7	10	10 10.650	9.6548	9.6517	31.7301																	
8	0	2.4 2.323	9.7045	9.7040	31.7319	31.7309		33														
9																						
10																						
11																						
12																						

VESSEL			PROJECT & LEG			STATION DESIGNATION														
NOAA Ship MILLER FREEMAN			MF97-09A			C2														
CONSC CAST #	LATITUDE		LONGITUDE		DATE JD= 254		TIME (GMT)		WET BULB (°C)	PRESSURE (mb)	SEA STATE	WIND DIRN. (deg)	WIND SPD. (m/s)	CLOUD (amt)	WEATHER	BOTTOM DEPTH (m)	STA. NAME/ID			
	DEG	MIN	DEG	MIN	DAY	MO	YR	HR										MIN		
01	57	06.53 N	116	94	41.85 W	11	SEP	97	18	06	10.0	9.8	303	62	39	0.88	7 1/2	53	20	-1
CTD			JD/TIME			DATA LOCATION			REMARKS											
TYPE & SN 911 + 91160			DATA ON 254/1759			Tape/Diskette ID File Name/Header			No water taken at surface											
PRESS SN 29772			START DOWN 254/1802			Tape 2 00:00 CAST 011														
TEMP SN 889			AT DEPTH 254/1806																	
COND SN 480			AT SURFACE 254/1815									MAX. DEPTH = 48 m								
TEMP SN 701/303			X PAR			X FLUOR			X CHAM			TRANSMISSOMETER								
POS.	TRIP DEPTH	CTD CONVERTED MONITOR VALUES																		
		PRESSURE	PRI. TEMP.	SEC. TEMP.	SALINITY	SAMPLE BOTTLE DATA												SAMPLE BOTTLE NUMBER		
1	50	48.789	4.4099	4.4074	31.6323	SALINITY 31.6424												SAL.	NUTRIENT	OTHER
2	40	40.400	4.5405	4.5463	31.6460														x 1008	x chl
3	30	30.149	5.7270	5.7328	31.7188														x 1007	x chl
4	Thru	25.945	9.5689	9.5712	31.0311														x 1006	x chl
5	10	16.105	9.3276	9.3280	30.8994														x 1005	x chl
6	0	2.682	9.3534	9.3543	30.8995															
7																				
8																				
9																				
10																				
11																				
12																				

VESSEL		PROJECT & LEG		STATION DESIGNATION											
NOAA Ship MILLER FREEMAN		MF97-09A		C5											
CONSC CAST #	LATITUDE	LONGITUDE	DATE JD= 254	TIME (GMT)	DRY BULB (°C)	WET BULB (°C)	PRESSURE (mb)	SEA STATE	VISIBILITY	WIND DIRN. (deg)	WIND SPD. (m/s)	CLOUD (amt)	WEATHER	BOTTOM DEPTH	STA. NAME/ID
0135654.87	N 16 9 40.14	W 111 51 11	SEP 97	20241101	10.83	10.83	13.6	24206	874	2	2	2	2	2	2
CTD		TIMES		JD/TIME		DATA LOCATION		REMARKS							
TYPE & SN 911 + 91660		DATA ON 254/20:15		Tape/Diskette ID		File Name/Header									
PRESS SN 29772		START DOWN 254/20:17		Tape 2 26:14		CAST 013									
TEMP SN 889		AT DEPTH 254/20:23		30:25											
COND SN 480		AT SURFACE 254/20:31													
TEMP SN 701/303		<input checked="" type="checkbox"/> PAR <input checked="" type="checkbox"/> FLUOR <input checked="" type="checkbox"/> CHAM <input type="checkbox"/> TRANSMISSOMETER													
POS.	TRIP DEPTH	CTD CONVERTED MONITOR VALUES													
		PRESSURE	PRI. TEMP.	SEC. TEMP.	SALINITY	SAMPLE BOTTLE DATA									
1	51	61.698	4.6472	4.6471	31.7592	SALINITY									
2	50	50.375	4.6623	4.6624	31.7627	SAL.									
3	40	40.488	4.6703	4.6706	31.7644	NUTRIENT									
4	30	30.921	4.9346	4.9329	31.6953	OTHER									
5	18	18.216	9.9275	9.9281	31.3086										
6	10	10.925	9.9411	9.9647	31.1134										
7	0	2.305	9.9721	9.9721	31.1054	31.1087									
8															
9															
10															
11															
12															

VESSEL		PROJECT & LEG		STATION DESIGNATION					
NOAA Ship MILLER FREEMAN		MF97-09A		C6					
CONSC CAST #	LATITUDE	LONGITUDE	DATE	TIME	WIND DIRN.	WIND SPD.	WEATHER	BOTTOM DEPTH	STA. NAME/ID
	DEG MIN	DEG MIN	DAY MO YR	HR MIN	(deg)	(m/s)		(m)	
01	45 6 48.43 N	169 37.19 W	11 SEP 97	21 29	115	10.9	311	69	23-11
CTD		TIMES		DATA LOCATION		REMARKS			
TYPE & SN 9117 91660		DATA ON 254/21:19		Tape/Diskette ID File Name/Header		Seabird 2.0			
PRESS SN 29772		START DOWN 254/21:23		Tape 2 30:35		CAST 014			
TEMP SN 889		AT DEPTH 254/21:29		39:36					
COND SN 480		AT SURFACE 254/21:35				MAX. DEPTH = 64 m			
TEMP SN 701/303		<input checked="" type="checkbox"/> PAR <input checked="" type="checkbox"/> FLUOR <input checked="" type="checkbox"/> CHIAM		TRANSMISSOMETER					
POS.	TRIP DEPTH	CTD CONVERTED MONITOR VALUES				SAMPLE BOTTLE DATA		SAMPLE BOTTLE NUMBER	
		PRESSURE	PRI. TEMP.	SEC. TEMP.	SALINITY	SALINITY		SAL.	NUTRIENT OTHER
1	64 64	64.814	4.3659	4.3655	32.0912			X 1036	
2	50 50	51.096	4.5261	4.5447	32.0507			X 1024	X (H)
3	40 40	40.424	5.2543	5.2531	31.8478			X 1023	X
4	30 30	30.734	5.7065	5.7066	31.8292				X
5	20 20	20.817	7.8463	7.8356	31.6556			X 1022	X
6	10 10	10.068	9.7612	9.7619	31.4371	31.4382		X 1021	X
7	0	2.067	9.7803	9.7795	31.4338			X 1020	X
8									
9									
10									
11									
12									

VESSEL		PROJECT & LEG				STATION DESIGNATION																										
NOAA Ship MILLER FREEMAN		MF97-09A				C7																										
CONSC CAST #	LATITUDE		LONGITUDE		DATE JD= 254		TIME (GMT)		WET BULB		PRESSURE		SEA STATE		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)											
015	56	42.85	N	169	35	82	W	11	S	E	P	9	7	22	28	11	7	11	1	3	13	6	2	4	0	6	8	7	2	4	-	1
CTD		TIMES		JD/TIME		DATA LOCATION		REMARKS																								
TYPE & SN 911 + 91660		DATA ON 254 / 2218		Tape/Diskette ID		File Name/Header		Secchi 3.25m																								
PRESS SN 29772		START DOWN 254 / 2221		Tap 2 39:30		CASTOLS																										
TEMP SN 889		AT DEPTH 254 / 2228		51:57																												
COND SN 480		AT SURFACE 254 / 2235						MAX. DEPTH = 74 m																								
TEMP SN 701/303		<input checked="" type="checkbox"/> PAR		<input checked="" type="checkbox"/> FLUOR		<input checked="" type="checkbox"/> CHIAM		<input type="checkbox"/> TRANSMISSOMETER																								
POS.	TRIP DEPTH	CTD CONVERTED MONITOR VALUES										SAMPLE BOTTLE DATA		SAMPLE BOTTLE NUMBER																		
		PRESSURE	PRI. TEMP.	SEC. TEMP.	SALINITY		SALINITY		SAL.		NUTRIENT		OTHER																			
1	75 74	74.882	4.0762	4.0761	32.1249		32.1249				*1042																					
2	50 50	50.693	5.0208	5.0209	31.9304		31.9304				*1041		* ch /																			
3	40 40	41.017	5.2933	5.2928	31.8392		31.8392		31.8279		*1040		* /																			
4	30 30	30.246	5.0478	5.0447	31.6498		31.6498				*1039		* /																			
5	20 20	21.098	7.5549	7.5650	31.6431		31.6431				*1038		* /																			
6	10 10	16.707	9.0197	9.0119	31.5465		31.5465				*1037		* /																			
7	0 25	1.898	9.5092	9.5060	31.4769		31.4769																									
8																																
9																																
10																																
11																																
12																																

VESSEL		PROJECT & LEG		STATION DESIGNATION					
NOAA Ship MILLER FREEMAN		MF97-09A		C 7.5					
CONSC CAST #	LATITUDE	LONGITUDE	DATE JD=	TIME (GMT)	WIND DIRN.	WIND SPD.	WEATHER	BOTTOM DEPTH	STA. NAME/ID
	DEG MIN	DEG MIN	DAY MO YR	HR MIN	(deg)	(m/s)		(m)	
016	56 40.14 N	169 35.60 W	11 SEP 97	23 08	245	0.4	73	77	25-1
CTD		TIMES		DATA LOCATION		REMARKS			
TYPE & SN 911 + 9160		DATA ON 254 / 22:58		Tape/Diskette ID File Name/Header		Seabird 1.7m			
PRESS SN 29772		START DOWN 254 / 23:01		Tape 2 51:57 CAST 016					
TEMP SN 889		AT DEPTH 254 / 23:08		1:01:01					
COND SN 480		AT SURFACE 254 / - 23:15				MAX. DEPTH = 73 m			
TEMP SN 701/303		<input checked="" type="checkbox"/> PAR <input checked="" type="checkbox"/> FLUOR <input checked="" type="checkbox"/> CHLOR <input type="checkbox"/> TRANSMISSOMETER							
POS.	TRIP DEPTH	CTD CONVERTED MONITOR VALUES				SAMPLE BOTTLE DATA		SAMPLE BOTTLE NUMBER	
		PRESSURE	PRI. TEMP.	SEC. TEMP.	SALINITY	SALINITY		SAL.	NUTRIENT OTHER
1	73 73	73.674	4.0900	4.0898	32.1164			x	1048
2	50 50	50.282	5.8245	5.8249	31.8605			x	1047
3	40 40	40.508	4.9320	4.9321	31.6453			x	1046
4	30 30	30.523	6.8573	6.8516	31.7553			x	
5	20 20	20.506	7.1755	7.1732	31.7189			x	1045
6	10 7	7.535	8.9005	8.8822	31.5020	31.5068		x	1044
7	0 2	1.890	9.4735	9.4476	31.4109			x	1043
8									
9									
10									
11									
12									

VESSEL		PROJECT & LEG		STATION DESIGNATION													
NOAA Ship MILLER FREEMAN		MF97-09A		C9													
CONSC CAST #	LATITUDE	LONGITUDE	DATE JD= 255	TIME (GMT)	DRY BULB (°C)	WET BULB (°C)	SEA STATE	VISIBILITY	WIND DIRN (deg)	WIND SPD. (m/s)	CLOUD (amt)	WEATHER	BOTTOM DEPTH	STA. NAME/ID			
01	41 56 36.9	169 34.3	W 12	SEP 97	0015	11.8	10.7	3	11	628	06	72	4027	-1			
CTD		TIMES		JD/TIME		DATA LOCATION		REMARKS									
TYPE & SN 911+ 9160		DATA ON 255/0009		Tape/Diskette ID		File Name/Header											
PRESS SN 29772		START DOWN 255/0012		Tape 2 1:09:40		CAST 018											
TEMP SN 889		AT DEPTH 255/0015		1:15:22													
COND SN 480		AT SURFACE 255/0018															
TEMP SN 701/303		<input checked="" type="checkbox"/> PAR		<input checked="" type="checkbox"/> FLUOR		<input checked="" type="checkbox"/> CHIAM		<input type="checkbox"/> TRANSMISSOMETER									
POS.	TRIP DEPTH	CTD CONVERTED MONITOR VALUES															
		PRESSURE	PRI. TEMP.	SEC. TEMP.	SALINITY	SAMPLE BOTTLE DATA									SAMPLE BOTTLE NUMBER		
1	35	35.473	6.9760	6.9750	31.7724	SALINITY 31.7782									SAL.	NUTRIENT	OTHER
2	30	31.083	7.0693	7.0729	31.7631											X / 058	(20)
3	20	20.215	7.5695	7.5736	31.7185											X / 057	X
4	10	10.886	7.8138	7.8144	31.6892											X / 056	X
5	0 20	2.138	9.2548	9.2219	31.4747											X / 053	X
6																	
7																	
8																	
9																	
10																	
11																	
12																	
		MAX. DEPTH = 35 m															

VESSEL		PROJECT & LEG		STATION DESIGNATION											
NOAA Ship MILLER FREEMAN		MF97-09A		CID											
CONSC CAST #	LATITUDE	LONGITUDE	DATE JD= 25 5	TIME (GMT)	DRY BULB (°C)	WET BULB (°C)	PRESSURE (mb)	SEA STATE	VISIBILITY	WIND DIRN. (deg)	WIND SPD. (m/s)	CLOUD (amt)	WEATHER	BOTTOM DEPTH	STA. NAME/ID
019	5636.49N	16934.49W	12 SEP 97	0447	11.8	10.7	31.1	6	2	83	06	874		2028	-11
CTD		TIMES		JD/TIME		DATA LOCATION		REMARKS							
TYPE & SN 911 + 91660		DATA ON 255/00:40		Tape/Diskette ID		File Name/Header		Sect 1		2.4					
PRESS SN 29772		START DOWN 255/00:43		Tape 2 1:15:22		CAST 019									
TEMP SN 889		AT DEPTH 255/00:45		End											
COND SN 480		AT SURFACE 255/00:46								MAX. DEPTH = 14 m					
TEMP SN 701/703		<input checked="" type="checkbox"/> PAR <input checked="" type="checkbox"/> FLUOR <input checked="" type="checkbox"/> CHIAM		TRANSMISSOMETER											
POS.	TRIP DEPTH	CTD CONVERTED MONITOR VALUES										SAMPLE BOTTLE DATA		SAMPLE BOTTLE NUMBER	
		PRESSURE	PRI. TEMP.	SEC. TEMP.	SALINITY						SALINITY	SAL.	NUTRIENT	OTHER	
1	14	14.014	7.8671	7.8750	31.6707						31.6635	35	X/661	X/000	
2	10	10.257	8.0950	8.0726	31.6313								X/000	X/000	
3	0	2.590	8.5439	8.5430	31.5707								X/000	X/000	
4															
5															
6															
7															
8															
9															
10															
11															
12															

VESSEL		PROJECT & LEG		STATION DESIGNATION								
NOAA Ship MILLER FREEMAN		MF97-09A		B3								
CONSC CAST #	LATITUDE	LONGITUDE	DATE JD= 256	TIME (GMT)	WET BULB	DRY BULB	WIND DIRN.	WIND SPD.	CLOUD (amt)	WEATHER	BOTTOM DEPTH	STA. NAME/ID
022	56 53.15 N	170 26.63 W	13 SEP 97	2252	9.2	10.6	115	12	872		9743-1	
CTD	TIMES	JD/TIME	DATA LOCATION		REMARKS							
TYPE & SN 911 + 91660	DATA ON	256 / 2240	Tape/Diskette ID		File Name/Header							
PRESS SN 29772	START DOWN	256 / 2242	Tape 3 25:21		CAST 022							
TEMP SN 889	AT DEPTH	256 / 2252	38:12									
COND SN 480	AT SURFACE	256 / 2300										
TEMP SN 701 / 303	<input checked="" type="checkbox"/> PAR	<input checked="" type="checkbox"/> FLUOR	<input checked="" type="checkbox"/> CHAM	<input type="checkbox"/> TRANSMISSOMETER								
POS.	TRIP DEPTH	CTD CONVERTED MONITOR VALUES										
		PRESSURE	PRI. TEMP.	SEC. TEMP.	SALINITY	SAMPLE BOTTLE DATA		SAMPLE BOTTLE NUMBER				
1	92	93.723	3.9679	3.9686	32.4859	SALINITY		SAL.	NUTRIENT	OTHER		
2	75	75.866	3.4006	3.4058	32.2530				x 1083			
3	50	49.905	3.6814	3.6757	32.1665				x 1082			
4	40	46.426	4.1617	4.1622	32.0953				x 1081	x Chl		
5	30	30.300	5.6035	5.6048	32.0176				x 1080	x		
6	20 25?	20.846	8.7617	8.7535	31.8699					x 1079	x	
7	10	10.263	9.1817	9.0452	31.4810					x 1078	x	
8	0 1.0	1.907	9.7372	9.7331	31.3712					x 1077	x	✓
9												
10												
11												
12												

MAX. DEPTH = 92 m

VESSEL		PROJECT & LEG		STATION DESIGNATION						
NOAA Ship MILLER FREEMAN		MF97-09A		B4						
CONSC CAST #	LATITUDE	LONGITUDE	DATE JD=	TIME (GMT)	WIND DIRN.	WIND SPD.	CLOUD (amt)	WEATHER	BOTTOM DEPTH	STA NAME/ID
023	56 55.0 4 N	170 23.9 1 W	256	23 32 10.5	9.4	7.0	872		9244-1	
CTD		TIMES		DATA LOCATION		REMARKS				
TYPE & SN 911 + 91660		DATA ON 256 / 2319		Tape/Diskette ID		File Name/Header				
PRESS SN 29772		START DOWN 256 / 2327		Tape 3 38:12		CAST 023				
TEMP SN 889		AT DEPTH 256 / 2332		48.56						
COND SN 480		AT SURFACE 256 / 2340								
TEMP SN 701 / 303		<input checked="" type="checkbox"/> PAR <input checked="" type="checkbox"/> FLUOR <input checked="" type="checkbox"/> CHAM <input type="checkbox"/> TRANSMISSOMETER								
POS	TRIP DEPTH	CTD CONVERTED MONITOR VALUES				SAMPLE BOTTLE DATA		SAMPLE BOTTLE NUMBER		
		PRESSURE	PRI. TEMP.	SEC. TEMP.	SALINITY	SALINITY		SAL.	NUTRIENT	OTHER
1	86	81.177	3.9200	3.9203	32.3124				x 1730	
2	75	75.443	3.9146	3.9149	32.3003				x 1729	
3	50	50.224	4.1011	4.1012	32.1301				x 1088	x Ch1
4	40	39.839	4.8632	4.8641	32.0046				x 1087	x
5	30	30.427	5.8375	5.8006	31.8163					x
6	16	16.259	9.0118	9.0131	31.7941	31.8003		28	x 1086	x
7	10	10.466	9.0007	8.9998	31.7213				x 1085	x
8	1.72	1.901	9.4557	9.4626	31.4856				x 1084	x
9										
10										
11										
12										

VESSEL NOAA Ship MILLER FREEMAN		PROJECT & LEG MF97-09A		STATION DESIGNATION B5									
CONSC CAST #	LATITUDE DEG MIN	LONGITUDE DEG MIN	DATE JD= 257 DAY MO YR		TIME (GMT)	WET BULB	DRY BULB	WIND DIRN	WIND SPD	CLOUD (amt)	WEATHER	BOTTOM DEPTH	STA. NAME/ID
024	56.56.92 N	170.21.69 W	14	SEP	97	0016	10.2	9.5	173	7	114	118	445-1
CTD	TIMES		JD/TIME		DATA LOCATION								
TYPE & SN 911+ 9160	DATA ON 257/0007		Tape/Diskette ID		File Name/Header								
PRESS SN 29772	START DOWN 257/0009		Type 3 48:56		CAST024								
TEMP SN 889	AT DEPTH 257/0017		58:55										
COND SN 480	AT SURFACE 257/												
TEMP SN 701/303	<input checked="" type="checkbox"/> PAR		<input checked="" type="checkbox"/> FLUOR		<input checked="" type="checkbox"/> CHAM		<input type="checkbox"/> TRANSMISSOMETER						
POS. TRIP DEPTH	CTD CONVERTED MONITOR VALUES												
	PRESSURE	PRI. TEMP.	SEC. TEMP.	SALINITY		SAMPLE BOTTLE DATA		SAMPLE BOTTLE NUMBER					
1 78	79.466	4.0159	4.0141	32.2545		SALINITY		SAL.		NUTRIENT		OTHER	
2 50	51.315	4.0600	4.0613	32.1912		32.2704		4		X 1736			
3 40	40.830	4.6271	4.6282	31.9635						X 1735		X 1731	
4 30	30.344	6.1799	6.1860	31.9090						X 1734		X	
5 19	18.901	8.5570	8.5559	31.7770						X 1733		X	
6 10	10.613	9.2148	9.2109	31.7598						X 1732		X	
7 0 1.8	1.703	9.5325	9.4899	31.4623						X 1731		X	
8													
9													
10													
11													
12													

MAX. DEPTH = 78 m

VESSEL		PROJECT & LEG		STATION DESIGNATION						
NOAA Ship MILLER FREEMAN		MF97-09A		B6						
CONSO CAST #	LATITUDE	LONGITUDE	DATE JD=	TIME (GMT)	WIND DIRN.	WIND SPD.	CLOUD (amt)	WEATHER	BOTTOM DEPTH	STA NAME/ID
0.25	57 00.18 N	170 18.73 W	14 SEP 97	01 01 10	111	114	118	72	6446	-1
CTD		TIMES		DATA LOCATION		REMARKS				
TYPE & SN 9114 91660		DATA ON 257/0052		Tape/Diskette ID File Name/Header		Given				
PRESS SN 29772		START DOWN 257/0055		Tape 3 58:55		CAST 025				
TEMP SN 889		AT DEPTH 257/0101		10806						
COND SN 480		AT SURFACE 257/0106								
TEMP SN 701/303								MAX. DEPTH = 60 m		
POS.	TRIP DEPTH	CTD CONVERTED MONITOR VALUES		TRANSMISSOMETER		SAMPLE BOTTLE DATA		SAMPLE BOTTLE NUMBER		
		PRESSURE	PRI. TEMP.	SEC. TEMP.	SALINITY	SALINITY		SAL.	NUTRIENT	OTHER
1	60	60.630	4.5976	4.6053	31.9314				X 1742	
2	50	50.438	4.6817	4.6873	31.9383				X 1741	X 000
3	40	40.157	4.9244	4.9219	31.8295				X 1740	X
4	30	30.824	6.9608	6.9542	31.7353					X
5	20	21.108	7.8741	7.8743	31.7178				X 1739	X
6	10	10.606	8.6233	8.6175	31.6463				X 1738	X
7	0	2.142	9.4824	9.4927	31.4168	31.4384		-	X 1737	X
8										
9										
10										
11										
12										

VESSEL		PROJECT & LEG		STATION DESIGNATION						
NOAA Ship MILLER FREEMAN		MF97-09A		B7						
CONSC CAST #	LATITUDE	LONGITUDE	DATE JD=	TIME (GMT)	WIND DIRN.	WIND SPD.	CLOUD (amt)	WEATHER	BOTTOM DEPTH	STA. NAME/ID
026	5702.55 N	17016.87 W	257	0143	10806	13	87	2	54	47-1
CTD		JD/TIME		DATA LOCATION		REMARKS				
TYPE & SN 911 + 91160		257/0135		Tape/Diskette ID		Green				
PRESS SN 29772		257/0138		Tape 3 10806		CAST 026				
TEMP SN 889		257/0143		1:15:25						
COND SN 480		257/0148								
TEMP SN 701/303						MAX. DEPTH = 50 m				
POS.	TRIP DEPTH	CTD CONVERTED MONITOR VALUES		TRANSMISSOMETER		SAMPLE BOTTLE DATA		SAMPLE BOTTLE NUMBER		
1	50	PRESSURE	PRI. TEMP.	SEC. TEMP.	SALINITY	SALINITY		SAL.	NUTRIENT	OTHER
2	40	50.325	6.6360	6.6364	31.6092				X 1747	X 241
3	30	40.597	6.8771	6.8810	31.5933	31.6095		9	X 1746	X
4	20	30.573	7.5197	7.4667	31.5577					X
5	10	21.062	8.3831	8.3833	31.5220				X 1745	X
6	0	10.420	9.7275	9.7281	30.9810				X 1744	X
7		1.948	9.7353	9.7350	30.9812				X 1743	X
8										
9										
10										
11										
12										

VESSEL		PROJECT & LEG		STATION DESIGNATION							
NOAA Ship MILLER FREEMAN		MF97-09A		B8							
CONSC CAST #	LATITUDE	LONGITUDE	DATE JD=	TIME (GMT)	WET BULB	WIND DIRN.	WIND SPD.	CLOUD (amt)	WEATHER	BOTTOM DEPTH	STA. NAME/ID
027	57 05.78 N	170 12.96 W	14 SEP 97	0229	9.3	102	11	87	2	3498-1	
CTD		TIMES		DATA LOCATION		REMARKS					
TYPE & SN 911+ 91660		DATA ON 257 / 0223		Tape/Diskette ID File Name/Header		6					
PRESS SN 29772		START DOWN 257 / 0226		Tape 3 1:15:26 (AST027)							
TEMP SN 889		AT DEPTH 257 / 0229									
COND SN 480		AT SURFACE 257 / 0231									
TEMP SN 701/303											
POS.		CTD CONVERTED MONITOR VALUES		TRANSMISSOMETER		SAMPLE BOTTLE DATA		SAMPLE BOTTLE NUMBER			
TRIP DEPTH	PRESSURE	PRI. TEMP.	SEC. TEMP.	SALINITY		SALINITY		SAL.	NUTRIENT	OTHER	
1 30	30.387	8.4877	8.4874	31.5478					X 1751	X Chl	
2 20	20.295	8.5541	8.5563	31.5188					X 1750	X Chl	
3 10	10.588	9.0424	9.0426	31.2966					X 1749	X Chl	
4 0	2.166	9.0220	9.0219	31.3061		31.3243		14	X 1748	X Chl	
5											
6											
7											
8											
9											
10											
11											
12											

VESSEL		PROJECT & LEG		STATION DESIGNATION								
NOAA Ship MILLER FREEMAN		MF97-09A		B6								
CONSCAST #	LATITUDE	LONGITUDE	DATE	TIME (GMT)	WET BULB	DRY BULB	WIND DIRN.	WIND SPD.	CLOUD (amt)	WEATHER	BOTTOM DEPTH	STA. NAME/ID
02805659	25 N	170 19.67 W	15 SEP 97	0612	9.0	10.0	232	156	71	6756-4		
CTD		TIMES		JD/TIME		DATA LOCATION		REMARKS				
TYPE & SN 911 + 9160		DATA ON 258/0604		Tape/Diskette ID		File Name/Header		Green water				
PRESS SN 29772		START DOWN 258/0607		Tape 4 00:00		CA51028						
TEMP SN 889		AT DEPTH 258/0613		09:41								
COND SN 480		AT SURFACE 258/0620										
TEMP SN 701303		PAR		FLUOR		CHIAM		TRANSMISSOMETER				
POS.	TRIP DEPTH	CTD CONVERTED MONITOR VALUES										
		PRESSURE	PRI. TEMP.	SEC. TEMP.	SALINITY	SAMPLE BOTTLE DATA		SAMPLE BOTTLE NUMBER				
1	55	55.597	5.8888	5.8905	31.8281	SALINITY		SAL.		NUTRIENT		OTHER
2	40	41.025	7.5725	7.5269	31.7003	??		X 1758		X (u)		
3	20	21.026	8.3392	8.3433	31.4942	31.8427		X 1757		X		
4	12	11.957	8.5160	8.5234	31.4592			29		X 1756		
5	8	8.209	8.5595	8.5566	31.4515			X		X 1755		
6	4	3.947	8.5700	8.5669	31.4501			X		X 1753		
7	2.5	2.638	8.5750	8.5752	31.4499			X		X 1752		
8												
9												
10												
11												
12												

VESSEL				PROJECT & LEG				STATION DESIGNATION																												
NOAA Ship MILLER FREEMAN				MF97-09A				B6?																												
CONSC CAST #	LATITUDE		LONGITUDE		DATE JD= 258		TIME (GMT)	DRY BULB (°C)	WET BULB (°C)	PRESSURE (mb)	SEA STATE	VISIBILITY	WIND DIRN. (deg)	WIND SPD. (m/s)	CLOUD (amt)	WEATHER	BOTTOM DEPTH	STA. NAME/ID																		
029	56	57.1	4	N	170	21.2	4	W	15	S	E	P	9	7	06	56	1	0.0	9.0	16	4	7	2	2	6	1	5	6	7	1	8	2	5	7	-	1
CTD		TIMES		JD/TIME		DATA LOCATION		REMARKS																												
TYPE & SN 911 + 91660		DATA ON 258/0644		Tape/Diskette ID		File Name/Header																														
PRESS SN 29772		START DOWN 258/0647		Tape 4 09:41		CAST029																														
TEMP SN 889		AT DEPTH 258/0655		20:58																																
COND SN 480		AT SURFACE 258/0707																																		
TEMP SN 701/303		<input checked="" type="checkbox"/> PAR		<input checked="" type="checkbox"/> FLUOR		<input checked="" type="checkbox"/> CHIAM		<input type="checkbox"/> TRANSMISSOMETER																												
POS.	TRIP DEPTH	CTD CONVERTED MONITOR VALUES																																		
		PRESSURE	PRI. TEMP.	SEC. TEMP.	SALINITY	SAMPLE BOTTLE DATA													SAMPLE BOTTLE NUMBER																	
1	60	61.002	4.3014	4.3042	31.8640	SALINITY 31.7478													SAL.	NUTRIENT	OTHER															
2	35	33.902	5.2585	5.3188	31.5708																															
3	20	20.281	8.6110	8.6114	31.5294																															
4	12	12.491	8.9629	8.9534	31.5006																															
5	8	8.644	9.1992	9.1993	31.4740																															
6	4	4.018	9.2009	9.2014	31.4694																															
7	3.3	3.397	9.2099	9.2103	31.4665																															
8																																				
9																																				
10																																				
11																																				
12																																				

Phydo
x
x
x
x
x
x
x
x

VESSEL		PROJECT & LEG		STATION DESIGNATION						
NOAA Ship MILLER FREEMAN		MF97-09A		A10						
CONSC CAST #	LATITUDE	LONGITUDE	DATE JD=	TIME (GMT)	WIND DIRN.	WIND SPD.	CLOUD (amt)	WEATHER	BOTTOM DEPTH	STA NAME/ID
030	57 14.80 N	70 12.9 W	15 SEP 97	1738	154	156	156	156	2262-1	
CTD		TIMES		DATA LOCATION		REMARKS				
TYPE & SN 911+ 91660		DATA ON / 1732		Tape/Diskette ID		File Name/Header				
PRESS SN 29772		START DOWN / 1736		Tape 4 / 2050		(AST 020)				
TEMP SN 889		AT DEPTH / 1738		2650						
COND SN 480		AT SURFACE								
TEMP SN 701/303		/ 1742						MAX. DEPTH = 18 m		
POS.	TRIP DEPTH	CTD CONVERTED MONITOR VALUES		TRANSMISSOMETER		SAMPLE BOTTLE DATA		SAMPLE BOTTLE NUMBER		
1	18	PRESSURE	PRI. TEMP.	SEC. TEMP.	SALINITY	SALINITY		SAL.	NUTRIENT	OTHER
2	10	18.629	8.4016	8.4015	31.5145			x	1768	x CH
3	20	10.587	8.3997	8.3992	31.5144			x	1767	x
4		2.024	8.3991	8.3994	31.5147			21	1766	x
5										
6										
7										
8										
9										
10										
11										
12										

VESSEL		PROJECT & LEG		STATION DESIGNATION								
NOAA Ship MILLER FREEMAN		MF97-09A		AI								
CONSC CAST #	LATITUDE	LONGITUDE	DATE JD= 258	TIME (GMT)	WET BULB	DRY 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)	(m/s)	• • •	• • •	(m)	
0315734.35N	16956.94W	15 SEP 97	2018	9.00	0637	240186	1	7164-1				
CTD	TIMES	JD/TIME	DATA LOCATION									
TYPE & SN 911 + 9160	DATA ON 258 / 2008		Tape/Diskette ID File Name/Header									
PRESS SN 29772	START DOWN 258 / 2012		Tape 4 26:50 CAST031									
TEMP SN 884	AT DEPTH 258 / 2018		40:34									
COND SN 480	AT SURFACE 258 / 2027											
TEMP SN 701303	<input checked="" type="checkbox"/> PAR <input checked="" type="checkbox"/> FLUOR <input checked="" type="checkbox"/> CHAM <input type="checkbox"/> TRANSMISSOMETER											
POS.	TRIP DEPTH	CTD CONVERTED MONITOR VALUES										
		PRESSURE	PRI. TEMP.	SEC. TEMP.	SALINITY	SAMPLE BOTTLE DATA		SAMPLE BOTTLE NUMBER				
1	65	65.079	4.5810	4.5805	31.9104	SALINITY		SAL.	NUTRIENT	OTHER		
2	50	50.494	4.6205	4.6213	31.9125	31.9282		3	1779			
3	40	40.156	4.6228	4.6225	31.9014				1773	x Chl		
4	30	30.440	8.2189	8.2179	31.7047				1772	x		
5	20	20.905	8.8273	8.8207	31.6819				1771	x		
6	10	10.195	9.5723	9.5729	31.5377				1770	x		
7	0	1.862	9.5781	9.5840	31.5370				1769	x		
8												
9												
10												
11												
12												

MAX. DEPTH = 66 m

VESSEL		PROJECT & LEG		STATION DESIGNATION								
NOAA Ship MILLER FREEMAN		MF97-09A		A2								
CONSC CAST #	LATITUDE	LONGITUDE	DATE JD= 258	TIME (GMT)	WET BULB	SEA STATE	WIND DIRN.	WIND SPD.	CLOUD (amt)	WEATHER	BOTTOM DEPTH	STA. NAME/ID
0325729.55N	17000.45W	17000.45W	15 SEP 97	2112	9.0	073	7230	15	862	* * *	6765	-1
CTD		TIMES		DATA LOCATION		REMARKS						
TYPE & SN 911 + 91660		DATA ON 258 / 2104		Tape/Diskette ID File Name/Header		Secchi 2.1						
PRESS SN 29772		START DOWN 258 / 2106		Tape 4 40206		Green water						
TEMP SN 889		AT DEPTH 258 / 2112		48:30								
COND SN 480		AT SURFACE 258 / 2119				MAX. DEPTH = 62 m						
TEMP SN 701/303		<input checked="" type="checkbox"/> PAR <input checked="" type="checkbox"/> FLUOR <input checked="" type="checkbox"/> CHIAM <input type="checkbox"/> TRANSMISSOMETER										
POS.	TRIP DEPTH	CTD CONVERTED MONITOR VALUES										
		PRESSURE	PRI. TEMP.	SEC. TEMP.	SALINITY	SAMPLE BOTTLE DATA		SAMPLE BOTTLE NUMBER				
1	62	62.451	4.5610	4.5611	31.8809	SALINITY		SAL.	NUTRIENT	OTHER		
2	50	50.757	4.5692	4.5697	31.8869	31.8998		23	x 1779	x 1779		
3	40	40.899	4.6263	4.6228	31.8741				x 1778	x 1778		
4	30	30.585	9.6033	9.6057	31.5536					x 1777		
5	20	20.072	9.6678	9.6569	31.5177					x 1776		
6	10	10.535	9.7040	9.7038	31.5042					x 1775		
7	2.6	2.794	9.7459	9.7489	31.4873							
8												
9												
10												
11												
12												

VESSEL				PROJECT & LEG				STATION DESIGNATION												
NOAA Ship MILLER FREEMAN				MF97-09A				A4												
CONSCAST #	LATITUDE		LONGITUDE		DATE JD= 258		TIME (GMT)	DRY BULB (°C)	WET BULB (°C)	PRESSURE (mb)	SEA STATE	VISIBILITY	WIND DIRN. (deg)	WIND SPD. (m/s)	CLOUD (amt)	WEATHER	BOTTOM DEPTH	STA. NAME/ID		
0345723.64N	DEG	MIN	DEG	MIN	DAY	MO	YR	HR	MIN											
17006.26W					15	SEP	97	22	38	9.7	0.74	7246	17	78	3		5967	1		
CTD				TIMES				DATA LOCATION				REMARKS								
TYPE & SN 911 + 91660				DATA ON 258/22:30				Tape/Diskette ID File Name/Header				Seab. 2.1								
PRESS SN 29772				START DOWN 258/22:32				Tape 4 56:14				CAST 034								
TEMP SN 889				AT DEPTH 258/22:37				1:03:47												
COND SN 480				AT SURFACE 258/22:44																
TEMP SN 701/303				<input checked="" type="checkbox"/> PAR <input checked="" type="checkbox"/> FLUOR <input checked="" type="checkbox"/> CHIAM <input type="checkbox"/> TRANSMISSOMETER																
POS.	TRIP DEPTH	CTD CONVERTED MONITOR VALUES																		
		PRESSURE	PRI. TEMP.	SEC. TEMP.	SALINITY	SAMPLE BOTTLE DATA											SAMPLE BOTTLE NUMBER			
1	50	51.154	6.1523	6.1516	31.6595	SALINITY											SAL.	NUTRIENT	OTHER	
2	40	40.040	6.1629	6.1644	31.7620														x	
3	30	30.142	7.4935	7.3928	31.6974														x	
4	20	20.855	9.6123	9.6138	31.5374														x	
5	10	10.090	9.7678	9.7669	31.4486	31.4637											16	x	1786	x
6	2.2	2.263	9.7754	9.7741	31.4450													x	1785	x
7																				
8																				
9																				
10																				
11																				
12																				

yes

VESSEL		PROJECT & LEG		STATION DESIGNATION																		
NOAA Ship MILLER FREEMAN		MF97-09A		A5																		
CONSC CAST #	LATITUDE	DEG	MIN	LONGITUDE	DEG	MIN	DATE JD= 258	TIME (GMT)	HR	MIN	SEC	DRY BULB (°C)	WET BULB (°C)	PRESSURE (mb)	SEA STATE	VISIBILITY	WIND DIRN. (deg)	WIND SPD. (m/s)	CLOUD (amt)	WEATHER	BOTTOM DEPTH (m)	STA. NAME/ID
035572113	N 17008.23	W 15519.72	317	10.8	9.7	0.8	47	25	01	8	3	6	8	1	5	7	6	8	-	1		
CTD		TIMES		JD/TIME		DATA LOCATION		Tape/Diskette ID		File Name/Header		REMARKS										
TYPE & SN 9114 9160		DATA ON 258/2309		Tape 4 10348		CAS7035		Green Secchi 1.7														
PRESS SN 29772		START DOWN 258/2312		1:09:36				Close to transition to blue/gun under														
TEMP SN 889		AT DEPTH 258/2317																				
COND SN 480		AT SURFACE 258/2323																				
TEMP SN 701/303																						
MAX. DEPTH = 52 m																						
CTD CONVERTED MONITOR VALUES		X PAR		X FLUOR		X CHAM		TRANSMISSOMETER														
POS.	TRIP DEPTH	PRESSURE	PRI. TEMP.	SEC. TEMP.	SALINITY	SAMPLE BOTTLE DATA		SAMPLE BOTTLE NUMBER														
1	50	49.611	6.4001	6.3997	31.7763	SALINITY		SAL.		NUTRIENT		OTHER										
2	40	40.585	6.4356	6.4326	31.7743							1791 x CW										
3	30	30.806	7.2409	7.2491	31.7173							x										
4	16	16.690	9.6918	9.6902	31.4234							x 1790 x										
5	10	9.716	9.7885	9.7888	31.3775							x 1789 x										
6	2.1	1.821	9.7944	9.7935	31.3734							x 1788 x										
7																						
8																						
9																						
10																						
11																						
12																						

VESSEL		PROJECT & LEG		STATION DESIGNATION																	
NOAA Ship MILLER FREEMAN		MF97-09A		A7																	
CONSC CAST #	LATITUDE	LONGITUDE	DATE JD= 259		TIME (GMT)	DRY BULB (°C)	WET BULB (°C)	PRESSURE (mb)	SEA STATE	WIND DIRN. (deg)	WIND SPD. (m/s)	CLOUD (amt)	WEATHER	BOTTOM DEPTH (m)	STA. NAME/ID						
DEG	MIN	DEG	MIN	DAY												MO	YR	HR	MIN		
0375	18.43N	170.09W	4	11	16	SEP	9	7	03	20	10.4	9.1	0.99	72	60	17	38	1	49	70	-1
CTD		TIMES		JD/TIME		DATA LOCATION										REMARKS					
TYPE & SN 911+ 9160		DATA ON 259/0313		Tape/Diskette ID		File Name/Header										Secchi 1.5					
PRESS SN 29772		START DOWN 259/0316		Tape 4 1:16:15		CAST 638															
TEMP SN 889		AT DEPTH 259/0319																			
COND SN 480		AT SURFACE 259/0325																			
TEMP SN 701/303		<input checked="" type="checkbox"/> PAR		<input checked="" type="checkbox"/> FLUOR		<input checked="" type="checkbox"/> CHLOR		<input type="checkbox"/> TRANSMISSOMETER									MAX. DEPTH = 45 m				
POS.	TRIP DEPTH	CTD CONVERTED MONITOR VALUES														SAMPLE BOTTLE DATA		SAMPLE BOTTLE NUMBER			
		PRESSURE	PRI. TEMP.	SEC. TEMP.	SALINITY											SALINITY			SAL.	NUTRIENT	OTHER
1	45	45.935	7.5875	7.5898	31.6646															x1479	che
2	40	40.667	7.9505	7.9614	31.5930																
3	30	30.137	8.2641	8.2386	31.5253																
4	20	20.738	8.4447	8.4464	31.4943															x1478	
5	10	10.174	9.3771	9.3767	31.3945															x1477	
6	1.7	2.082	9.3812	9.3810	31.3936															x1476	
7																					
8																					
9																					
10																					
11																					
12																					

VESSEL		PROJECT & LEG		STATION DESIGNATION								
NOAA Ship MILLER FREEMAN		MF97-09A		A8								
CONSC CAST #	LATITUDE	LONGITUDE	DATE JD= 259	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)	(m/s)	.	.	(m)	
0385717.24N	17010.21W	16SEP97	0352	10.2	9.1094	7250	15	381	3871-1			
CTD		TIMES		DATA LOCATION		REMARKS						
TYPE & SN 911 + 91660		DATA ON 259/0346		Tape/Diskette ID File Name/Header		Socd 2.4						
PRESS SN 29772		START DOWN 259/0348		Tape 4 12310 CAST039								
TEMP SN 889		AT DEPTH 259/0352		131.01								
COND SN 480		AT SURFACE 259/0356										
TEMP SN 701/303		X PAR		X FLUOR	X CHIAM	TRANSMISSOMETER						
POS.	TRIP DEPTH	CTD CONVERTED MONITOR VALUES										
		PRESSURE	PRI. TEMP.	SEC. TEMP.	SALINITY	SAMPLE BOTTLE DATA		SAMPLE BOTTLE NUMBER				
1	30	30.305	8.6194	8.6176	31.4658	SALINITY		SAL.	NUTRIENT	OTHER		
2	20	21.128	8.6154	8.6154	31.4664	31.4860		20	X 1483	X CH		
3	10	10.481	8.8059	8.8061	31.4321				X 1482	X		
4	2.1	2.023	9.3812	9.3877	31.3326				X 1481	X		
5									X 1480	X		
6												
7												
8												
9												
10												
11												
12												

