nortene, jorie, oxygen

CTD 1 Water Depth - 1000

Up

Press	Temp	Salinity	O C	O.T.
902.00	3.2	34.5	0.0660	4.48
348.00	7.4	34.6	0.0635	7.55
297.	7.8	34.7	0.0945	8.064
100.5	24.2	34.7	0.7075	19.2

Water Depth = 2000 m

Down CTD 2

	Temp	Salinity	O.C.	O.T.
~~1972~~ 1433	1.4	34.5	0.0755	3.328
358	7.5	34.6	0.0730	14.336
200	13.9	34.7	0.4505	27.26
99	25.6	34.7	0.6900	30.08

1ft = 1ft 6ft 1ft = .305 m

CTD 3 Water Depth = 2600F = 4758 m

Down

Press	Temp	Salinity	O.C.	O.T.
2164	0.23	34.5	0.0800	1.792
500	6.0	34.6	0.0820	10.496
~~401~~	~~7.3~~	~~34.6~~	0.0785	14.208
101	25.0	34.7	0.8690	29.824

Up CTD 4 Water Depth = 5600

Press	Temp	Salinity	O.C	O.T.
2121	0.28	34.5	0.0855	1.92
1623	0.8	34.5	—	1.92
~~435~~	~~5.8~~	~~34.6~~	~~0.0730~~	~~6.144~~
98	25.6	34.7	0.776	18.304

Down CTD 5 Water Depth = 1090

Press	Temp	Salinity	O.C.	O.T.
1027	2.4	34.5	0.0640	4.48
~~516~~	~~5.1~~	~~34.7~~	0.0700	8.96
459	5.6	34.6	0.0780	10.88
237	15.2	34.7	0.4325	26.240

Down CTD 6 Water Depth 2505

Press	Temp	Salinity	O.C.	O.T.
391	6.7	34.6	0.0970	14.336
100	25.4	34.7	0.8705	30.592

Down CTD 7 Water Depth 2525

Press	Temp	Salinity	O.C.	O.T.
2144	0.3	34.5	0.077	1.792
~~1098~~	N.A.	34.5		
451	6.5	34.6	0.0885	12.032
101	26.0	34.7	0.8975	30.848

Up CTD 8 Water Depth 4340

Press	Temp	Salinity	O.C.	O.T.
2174	0.2	34.5	0.0785	1.66
~~750~~	~~4.2~~	~~34.5~~	~~0.0675~~	~~4.736~~
451	N.A Downcast 6.3	34.6		
98	23.2	34.7	0.6635	15.360

CTD 9 Water Depth 4950

Down Press	Temp	Salinity	O.C.	O.T.
2164	0.4	34.5	0.0730	1.92
613	5.5	34.5	0.0765	8.960
~~349~~	~~7.6~~	~~34.6~~	~~0.0645~~	~~15.232~~
99	23.5	34.7	0.7710	28.032

Down CTD 10 Water Depth 1445

Press	Temp	Salinity	O.C.	O.T.
1411	1.4	34.5	0.0725	3.20
499	6.0	34.6	0.0695	11.008
~~350~~	~~7.3~~	~~34.6~~	~~0.0755~~	~~16.896~~
99	23.0	34.7	0.7760	29.696

Down CTD 11 Water Depth 1900

Press	Temp	Salinity	O.C.	O.T.
1753	0.7	34.5	0.0735	2.304
~~886~~	~~3.5~~	~~34.5~~	~~0.0665~~	~~6.016~~
400	6.8	34.6	0.0835	12.544
101	24.7	34.7	0.1265	30.080

Down CTD 12 Water Depth 1715

Press	Temp	Salinity	O.C.	O.T.
~~1485~~	~~1.2~~	~~34.5~~	~~0.0725~~	~~3.072~~
499	6.1	34.6	0.0855	11.52
351	7.2	34.6	0.0880	15.872
101	26.4	34.7	0.8660	29.312

Down CTD 13 Water Depth 2520

Press	Temp	Salinity	O.C.	O.T
2071	0.5	34.5	0.0715	1.92
451	6.2	34.6	0.0860	12.160
~~355~~	~~6.9~~	~~34.6~~	~~0.0975~~	~~16.768~~
100	24.2	34.7	0.7890	30.208

Down CTD 14 Water Depth 2280

Press	Temp	Salinity	O.C.	O.T.
1962	0.4	34.5	0.0745	1.92
609	5.1	34.5	0.0875	7.936
420	6.5	34.6	0.0955	13.568
100	25.8	34.7	0.87050	29.44

CTD 15 Water Depth 2295

Down

Press	Temp	Salinity	O.C.	O.T.
2162	0.3	34.5	0.0760	1.792
501	6.5	34.6	0.0555	10.112
355	7.8	34.6	0.0680	14.080
~~101~~	~~23.1~~	~~34.7~~	~~0.717~~	~~30.592~~

Down CTD 16 Water Depth ~5000

Press	Temp	Salinity	O.C.	O.T.
2080	0.3	34.5	0.0735	1.92
~~600~~	~~5.7~~	~~34.5~~	~~0.0435~~	8.832
452	7.0	34.6	0.545	10.496
100	22.5	34.7	0.7450	30.080

Down CTD 17 Water Depth ~5000

Press	Temp	Salinity	O.C.	O.T.
2153	0.3	34.5	0.0740	1.92
~~514~~	~~6.4~~	~~34.6~~	~~0.0505~~	~~9.472~~
313	8.1	34.6	0.073	15.104
102	23.7	34.7	0.1535	28.416

Down CTD 18 Water Depth 2350

Press	Temp	Salinity	O.C.	O.T.
2143	0.3	34.5	0.0825	1.792
~~509~~	~~6.7~~	~~34.6~~	~~0.03100~~	~~10.112~~
272	9.2	34.7	0.0415	15.488
100	25.6	34.7	0.862	30.080

Oxygen Analysis F10-89-CP

Sept 14

Did Blank Check - No coloration, therefore no blank correction at this time

Standardization on 4 samples from 2 separate mixtures

0.823 ml
0.820 ml
0.821 ml
0.818 ml

Sept 17

First Batch of titrations

Note: standardizations done with 5 additions of iodate from the 1ml pipette. Using the same pipette gives consistant number this set was done w/ pipette #1; may have to calibrate volume.

Bubbles in some of the samples indicated by A on the titration sheets. Are samples degassing? Or are we not careful enough when taking them.
Everyone is warned to be more careful.
The samples with air not greatly different from those without.

9-21-89

pipette #1 used for standardizations

9-24-89

going to do titrations on
CTD 9
CTD 10
and CTD 11

The pickling reagents which I had renewed only two days ago (after last titrations) were obviously contaminated by one another. I am going to titrate with standardizations of clean solutions.

9-27-89

Titrations seemed to go ok.

F1089CP002	- CTD1A		
F1089CP002	- CTD1B OK		
F1089CP005	- CTD 2A	TO BIG	
F1089CP050	- CTD 2B		
F1089CP006	CTD 3A	TOBIG	
F1089CP06B	CTD3B		
F1089CP07	CTD4A	TOBIG	
F1089CP07C	CTD4B		
F1089CP008	CTD5A		
	CTD5B (? lost disc)		
F1089CP014	CTD6A		
F1089CP016	CTD7A	problem w/ file	F1089 CP016 OK
F1089CP16B	CTD7B		
F1089CP16U	CTD7C		
F1089CP18	CTD8A		
F1089CP18	CTD8B		
F1089CP18B	CTD8C	problem w/ file	OK
F1089CP19	CTD9A		
F1089CP19B	CTD9B	problem w/File	OK?
F1089CP21	CTD10		
F1089CP24	CTD11A	OK	
F1089CP24B	CTD11B	problem	OK?
F1089CP24U	CTD11C	problem	
F1089CP28	CTD12		
F1089CP30	CTD13A		
F1089CP30B	CTD13B	problem	OK
F1089CP32	CTD14A		
F1089CP32B	CTD14B	problem	OK
F1089CP37	CTD15A		
F1089CP37B	CTD15B	problem	OK?

F1089CP39	CTD16A	
F1089CP39B	CTD16B	OK
F1089CP40	CTD17A	
F1089CP40B	CTD17B	OK
F1089CP43	CTD18A	
F1089CP43B	CTD18B	problem.