	O_x	R	$O_x * R$		Depth
TD1	4.799	0.423	2.032	1.8202	100.5
	6.649	0.781	5.196	0.2113	297
	6.715	0.797	5.355	0.1339	348
	7.432	0.949	7.347	0.1445	902
TD2	4.686	0.402	1.886	1.909	99
	5.826	0.620	3.615	0.7489	200
	8.194	0.795	6.518	0.1075	358
	7.780	1.121	8.723	0.2121	1433
TD3	4.734	0.411	1.947	1.8889	101
	6.938	0.853	5.921	0.1552	500
	8.021	1.272	10.203	0.1909	2164
TD4	4.686	0.402	1.886	1.965	98
	8.011	1.263	10.121	0.1951	2121
TD5	5.675	0.595	3.374	0.7534	237
	7.005	0.862	6.036	0.1393	459
	7.583	1.032	7.827	0.1160	1027
TD6	4.702	0.405	1.906	1.1756	100
	6.825	0.822	5.609	0.1619	391
TD7	4.654	0.397	1.847	1.4907	101
	6.857	0.833	5.715	0.1870	451
	8.007	1.266	10.135	0.3198	2144
TD8	4.884	0.439	2.143	0.6952	98
	8.028	1.275	10.234	0.1455	2174
TD9	4.858	0.434	2.109	0.9798	99
	7.026	0.880	6.185	0.1065	613
	7.985	1.264	10.095	0.1184	2164

PT Ocur

	O_x	R	$O_x * R$		Depth
CTD10	4.901	0.442	2.166	1.0097	99
	6.938	0.853	5.921	0.0954	499
	7.780	1.118	8.701	0.1177	1411
CTD11	4.758	0.416	1.978	1.0241	101
	6.809	0.820	5.582	0.1012	400
	7.923	1.193	9.451	0.1184	1753
CTD12	4.623	0.391	1.808	2.131	101
	6.746	0.803	5.420	0.1959	351
	6.922	0.850	5.885	0.2053	499
CTD13	4.799	0.423	2.032	1.8607	100
	6.906	0.843	5.818	0.2028	451
	7.964	1.246	9.926	0.2045	2071
CTD14	4.670	0.400	1.866	2.1221	100
	6.857	0.831	5.695	0.2195	420
	7.945	1.235	9.864	0.2139	1962
CTD15	6.654	0.787	5.234	0.0117	355
	6.857	0.838	5.748	0.0110	501
	8.007	1.268	10.156	0.0179	2162
CTD16	4.945	0.450	2.225	13.5185	100
	6.778	0.819	5.549	0.0114	452
	8.007	1.254	10.061	0.0175	2080
CTD17	4.841	0.431	2.087	0.1533	102
	6.608	0.774	5.118	0.0137	313
	8.007	1.267	10.146	0.0177	2153
CTD18	4.686	0.402	1.886	0.175	100
	6.442	0.741	4.773	0.0084	272
	8.007	1.266	10.134	0.0178	2143

1000 m = 1010 decibars

O2 ml/L 1	Depth 1	O2 ml/L 2	depth 2	O2 ml/l 3	Depth 3	O2 ml/l 4
1.0620	902.00	1.8500	1972.0	1.9480	2164.0	1.9750
0.71700	348.00	0.70100	358.00	0.91900	499.00	1.6890
1.0980	297.00	2.7070	200.00	3.6780	100.00	3.7050
3.6980	100.50	3.6000	99.000			

depth 4	O2 ml/l 5	depth 5	O2 ml/l 6	depth 6	O2 ml/l 7	depth 7
2121.0	1.0930	1027.0	0.90800	391.00	3.2417	2144.0
1623.0	0.84100	459.00	3.3470	100.00	1.0332	1098.0
98.000	2.5420	237.00			1.0687	451.00
					2.7528	100.70

O2 ml/l 8	depth 8	O2 ml/l 9	depth 9	O2 ml/l 10	depth 10	O2 ml/l 11
0.90010	451.00	1.1950	2164.0	1.0240	1411.0	1.1190
2.7750	98.000	0.65900	613.00	0.56600	499.00	0.56500
1.4895	2174.0	2.0660	99.000	2.1870	99.000	2.0260

depth 11	O2 ml/l 12	depth 12	O2 ml/l 13	depth 13	O2 ml/l 14	depth 14
1753.0	1.2080	499.00	2.0300	2071.0	3.9600	100.00
400.00	1.0620	351.00	1.1800	451.00	1.2500	420.00
101.00	3.8530	101.00	3.7800	100.00	2.1100	1962.0

O2 ml/l 15	depth 15	O2 ml/l 16	depth 16	O2 ml/l 17	depth 17	O2 ml/l 18
0.061000	355.00	0.32200	101.00	0.18000	2153.0	0.33000
0.063000	501.00	0.063000	452.00	0.32000	102.00	0.040000
0.18200	2162.0	0.17600	2080.0	0.070000	313.00	0.18000

depth 18
100.00
272.00
2143.0

Remove line 2 from file

Int 24.1°C
Final 23.0°C°

bottle final 23.2°C

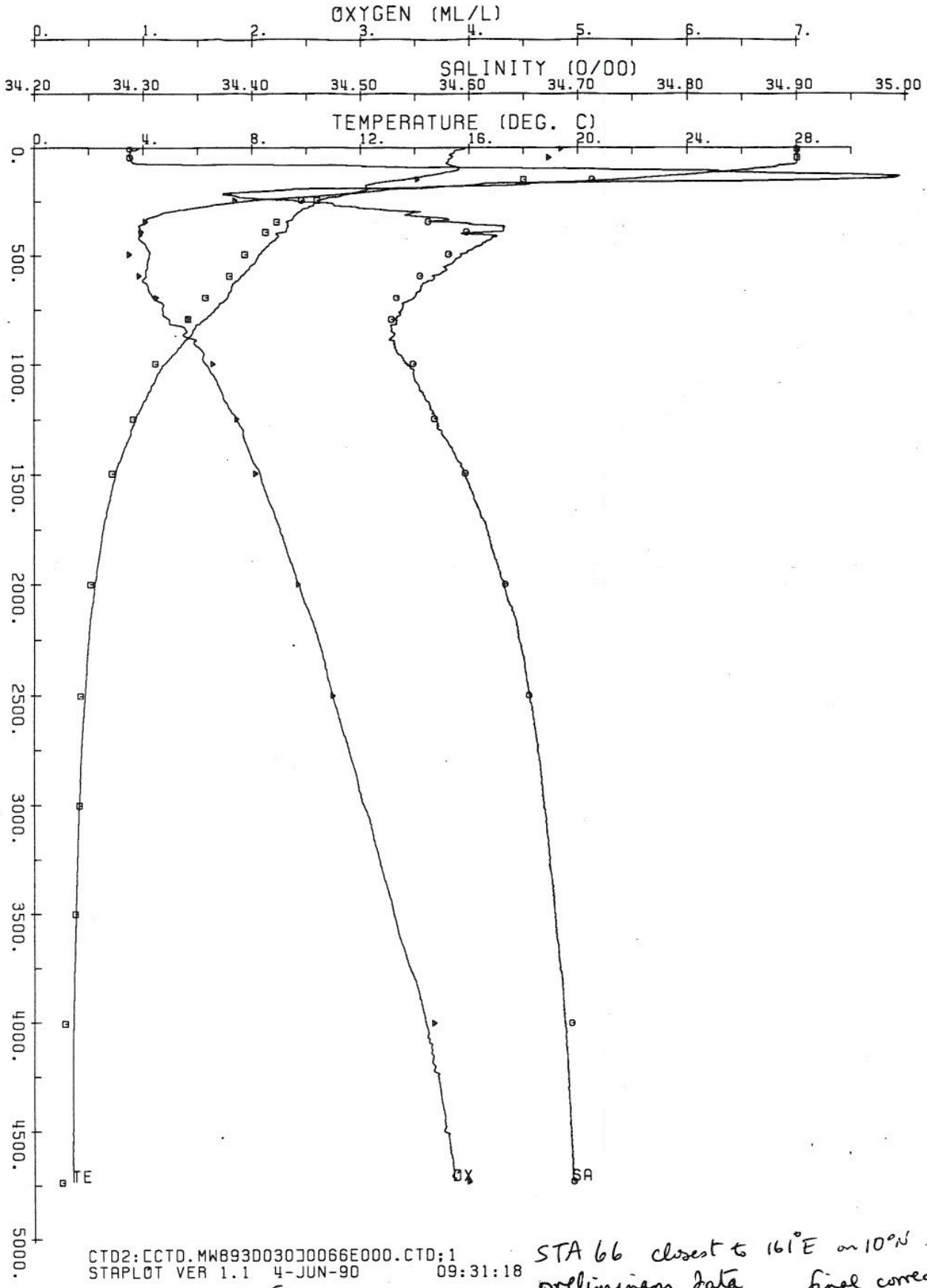
diff ÷ density

	Dry	Wet				
1	254.82 g	554.26	(24.1)	299.44	÷ .99728	= 300.257
2	250.73 g	550.55	(24.1°)	300.52	÷ .99728	= 301.339
3	254.03 g	553.76	(24.1°)	299.70	÷ .99728	= 300.517
4	253.38 g	552.95	(24.0°)	299.57	÷ .99730	= 300.381
5	254.56 g	~~554.08~~ 554.08	(24.0°)	299.52	÷ .99730	= 300.331
6	252.51 g	552.04	(23.9°)	299.53	÷ .99732	= 301.688
7	256.16 g	554.35	(23.9°)	298.19	÷ .99732	= 298.591
8	252.05 g	553.82	(23.9°)	301.77	÷ .99732	= 302.581
9	254.09 g	554.97	(23.8°)	300.88	÷ .99734	= 301.682
10	254.26 g	553.56	(23.8°)	199.30	÷ .99734	= 300.098
11	252.88 g	553.31	(23.7°)	300.43	÷ .99737	= 301.222
12	251.49 g	551.60	(23.7°)	300.11	÷ .99737	= 300.901
13	252.30 g	553.89	(23.7°)	301.59	÷ .99737	= 302.385
14	253.53 g	553.91	(23.6°)	300.38	÷ .99739	= 301.166
15	252.08 g	552.90	(23.6°)	300.82	÷ .99739	= 301.607
16	253.18 g	552.57	(23.5°)	299.39	÷ .99741	= 300.167
17	252.37 g	552.46	(23.5°)	300.09	÷ .99741	= 300.869
18	253.08 g	552.76	(23.5°)	299.68	÷ .99741	= 300.458
19	252.56 g	553.71	(23.4)	301.15	÷ .99744	= 301.923
20	251.50 g	553.44	(23.4)	301.94	÷ .99744	= 302.715
21	252.48 g	553.78	(23.3°)	301.30	÷ .99746	= 302.067
22	252.80 g	554.46	(23.3°)	301.66	÷ .99746	= 302.428
23	252.79 g	552.51	(23.2)	299.72	÷ .99748	= 300.477
24	251.78 g	552.40	(23.2°)	300.62	÷ .99748	= 301.379

23°
22.8

	Dry Weight	Wet				
25	255.50	555.34	(23°)	299.84	÷ .99753	= 300.582
26	252.84	554.59		301.75	÷ .99753	= 302.497
27	252.77	553.39		300.62	÷ .99753	= 301.364
28	252.98	554.73		301.75	÷ .99753	= 302.497
29	249.48	551.77		302.29	÷ .99753	= 303.038
30	252.59	551.95		299.36	÷ .99755	= 300.101
31	254.26	554.90		300.34	÷ .99753	= 301.083
32	251.75	554.38		302.63	÷ .99753	= 303.379
33	253.29	554.27	(22.9°)	300.98	÷ .99755	= 301.719
34	253.55	552.46		298.91	÷ .99755	= 299.644
35	255.53	555.70		300.17	÷ .99755	= 300.907
36	252.74	552.89		300.15	÷ .99755	= 300.887
37	256.14	554.78		298.64	÷ .99755	= 299.373
38	253.81	555.51		301.17	÷ .99755	= 301.910
39	254.95	553.75		298.80	÷ .99755	= 299.533
40	254.04	552.51		298.47	÷ .99755	= 299.203
41	255.92	555.77	(22.8°)	299.85	÷ .99757	= 300.580
42	253.03	554.49		301.46	÷ .99757	= 302.194
43	255.12	554.24		299.12	÷ .99757	= 299.848
44	253.72	554.61		300.89	÷ .99757	= 301.623
45	251.14	552.06		300.92	÷ .99757	= 301.653
46	253.41	554.70		301.29	÷ .99757	= 302.024
47	255.56	556.39		300.83	÷ .99757	= 301.563
48	251.72	552.25		300.53	÷ .99757	= 301.260

	Dry Weight	Wet Weight			
					Temp 24°C
49	253.49	553.36	299.87 ÷	.99730	= 300.682
50	252.49	551.54	299.105 ÷		= 299.859
51	255.94	554.60	298.66 ÷		= 299.468
52	252.33	552.81	300.48 ÷		= 301.295
53	252.18	553.91	301.73 ÷		= 302.547
54	247.61	549.52	301.91 ÷		= 302.727
55	246.07	547.19	301.12 ÷		= 301.935
56	253.30	553.73	300.43 ÷		= 301.243
57	245.69	547.93	302.24 ÷		= 303.056
58	253.54	553.24	299.70 ÷		= 300.511
59	255.30	556.20	300.90 ÷		= 301.714
60	254.75	553.62	298.87 ÷		= 299.679
61	253.83	553.31	299.48 ÷		= 300.291
62	255.82	555.61	295.79 ÷		= 300.602
63	253.74	554.19	300.45 ÷		= 301.263
64	250.73	551.72	300.99 ÷		= 301.805
65	250.02	550.07	300.05 ÷		= 300.862
66	251.89	554.35	302.46 ÷		= 303.279
67	251.90	554.46	302.56 ÷		= 303.379
68	251.81	556.06	301.25 ÷		= 302.065
69	251.35	553.90	302.55 ÷		= 303.369
70	254.88	557.76	298.88 ÷		= 299.689
71	251.20	553.01	301.81 ÷		= 302.627
72	256.79	555.36	298.57 ÷		= 299.378



CTD2:[CTD.MW893D030]D0066E000.CTD;1
STAPLOT VER 1.1 4-JUN-90 09:31:18

STA 66 closest to 161°E on 10°N.

preliminary data

final corrections (especially to OX) not yet done.

some spikes in salinity (at 2900m 3400, 3500, 3700) have been edited out.

data: 27 Feb 1989 at 9°24.4 N, 160°50' E

70DUA17:[CTD.MW8930030.NUTS]MW066.SON;1 19-APR-1990 09:55

STA#	RT#	PRES	TEMP	CTDSAL	THETA	SALT	O2	PO4	N+N	SIO2	NO2	F11	F12	BOT#
66.	1.	4736.7	1.4283	34.6944	1.0278	34.6956	3.99	2.45	35.6	136.00	0.01	-9.000	-9.000	1.
66.	3.	4006.7	1.4533	34.6876	1.1349	34.6940	3.67	2.51	36.5	142.45	0.01	-9.000	-9.000	3.
66.	4.	3503.1	1.5353	34.6797	1.2679	-9.0000	-9.00	2.59	37.4	148.29	0.01	-9.000	-9.000	4.
66.	5.	3002.9	1.6782	34.6690	1.4572	-9.0000	-9.00	2.69	38.6	152.02	0.01	-9.000	-9.000	5.
66.	6.	2502.9	1.8782	34.6561	1.6999	34.6549	2.74	2.77	39.3	150.71	0.01	-9.000	-9.000	6.
66.	7.	2000.6	2.2121	34.6346	2.0724	34.6331	2.42	2.83	40.1	145.07	0.01	-9.000	-9.000	7.
66.	8.	1497.3	2.9860	34.5970	2.8785	34.5964	2.03	2.91	40.9	128.75	0.01	-9.000	-9.000	8.
66.	9.	1248.7	3.7439	34.5704	3.6494	34.5681	1.86	2.92	40.9	112.02	0.01	-9.000	-9.000	9.
66.	10.	999.3	4.5438	34.5499	4.4639	34.5486	1.64	2.94	41.2	95.50	0.01	-9.000	-9.000	10.
66.	11.	796.3	5.7346	34.5289	5.6649	34.5286	1.41	2.90	40.1	74.45	0.01	-9.000	-9.000	11.
66.	12.	696.8	6.3665	34.5409	6.3027	34.5333	1.12	2.91	40.3	65.98	0.00	-9.000	-9.000	12.
66.	13.	596.3	7.2334	34.5575	7.1753	34.5549	0.96	2.86	39.2	55.71	0.00	-9.000	-9.000	13.
66.	14.	496.0	7.7953	34.5474	7.7452	34.5812	0.87	2.78	38.6	49.46	0.00	-9.000	-9.000	14.
66.	16.	394.6	8.5462	34.5971	8.5044	34.5977	0.98	2.64	36.8	43.42	0.00	-9.000	-9.000	16.
66.	17.	346.2	8.9502	34.5642	8.9126	34.5624	1.02	2.55	35.5	41.61	0.00	-9.000	-9.000	17.
66.	19.	246.7	10.4310	34.4500	10.4017	34.4457	1.84	2.11	28.4	30.93	0.00	-9.000	-9.000	19.
66.	21.	148.0	18.0295	34.7102	18.0041	34.7131	3.52	0.80	9.0	7.45	0.12	-9.000	-9.000	21.
66.	23.	46.3	28.0445	34.2882	28.0337	34.2880	4.73	0.15	0.1	1.41	0.00	-9.000	-9.000	23.
66.	24.	6.3	28.0345	34.2911	28.0331	34.2878	4.84	0.13	0.0	1.41	0.00	-9.000	-9.000	24.

sta 66, 161°E, 60°N spring 1989
— bottle data

4 June '90

Hi Marlene,
These are as requested from Harry, by phone, Fri June 1

Conn.

WOODS HOLE OCEANOGRAPHIC INSTITUTION

Sample #	Bottle #	Bot. Vol.	Titration	f	Standard	mg-at O2/ liter	ml O2 /Liter	Ave.	St Dev
CTD1	61	300.291	0.1240	0.857	1.1669	0.095	1.069		
	62	300.602	0.1220	0.857	1.1669	0.094	1.051		
	63	301.263	0.1240	0.857	1.1669	0.095	1.065	1.062	0.00974
	64	301.805	0.0810	0.857	1.1669	0.062	0.695		
	65	300.862	0.0840	0.857	1.1669	0.065	0.723		
	66	303.279	0.0860	0.857	1.1669	0.066	0.734	0.717	0.02014
	67	303.379	0.1285	0.857	1.1669	0.098	1.096		
	68	302.065	0.1290	0.857	1.1669	0.099	1.105		
	69	303.369	0.1282	0.857	1.1669	0.098	1.093	1.098	0.0063
	70	299.689		0.857	1.1669	0.000	0.000		
	71	302.627	0.4279	0.857	1.1669	0.327	3.659		
	72	299.378	0.4320	0.857	1.1669	0.334	3.737	3.698	0.05539
CTD 2	49	300.682	0.2185	0.857	1.1669	0.168	1.881		
	50	299.859	0.2179	0.857	1.1669	0.168	1.882		
	51	299.468	0.2065	0.857	1.1669	0.159	1.786	1.850	0.05528
	52	301.293	0.0800	0.857	1.1669	0.061	0.687		
	53	302.547	0.0815	0.857	1.1669	0.062	0.697		
	54	302.727	0.0840	0.857	1.1669	0.064	0.718	0.701	0.01568
	55	301.935	0.3200	0.857	1.1669	0.245	2.743		
	56	301.243	0.3070	0.857	1.1669	0.236	2.638		
	57	303.058	0.3210	0.857	1.1669	0.245	2.741	2.707	0.05989
	58	300.511	0.4140	0.857	1.1669	0.318	3.567		
	59	301.714	0.4250	0.857	1.1669	0.326	3.646		
	60	299.679	0.4150	0.857	1.1669	0.320	3.586	3.600	0.0412

Sample #	Bottle #	Bot. Vol.	Titration	f	Standard	mg-at O2/ liter	ml O2/Liter	Ave	St Dev	Depth
CTD 3	5	300.331	0.228	0.857	1.1668611	0.176	1.966			
	6	301.688	0.223	0.857	1.1668611	0.171	1.913			
	7	298.991	0.227	0.857	1.1668611	0.176	1.967	1.948	0.03052	2164
	8	302.581	0.108	0.857	1.1668611	0.082	0.924			
	9	301.682	0.106	0.857	1.1668611	0.081	0.909			
	10	300.098	0.107	0.857	1.1668611	0.082	0.923	0.919	0.00808	499
	11	301.222		0.857	1.1668611	0.000	0.000			
	12	300.901		0.857	1.1668611	0.000	0.000			
	13	302.385		0.857	1.1668611	0.000	0.000			
	14	301.166	0.435	0.857	1.1668611	0.334	3.739			
	15	301.607	0.434	0.857	1.1668611	0.333	3.725			
	16	300.167	0.414	0.857	1.1668611	0.319	3.571	3.678	0.09294	100
CTD 4	25	300.582	0.237	0.857	1.1668611	0.182	2.041			
	26	302.497	0.229	0.857	1.1668611	0.175	1.959			
	27	301.364	0.224	0.857	1.1668611	0.172	1.924	1.975	0.06026	2121
	28	302.497	0.198	0.857	1.1668611	0.151	1.694			
	29	303.038	0.199	0.857	1.1668611	0.152	1.699			
	30	300.101	0.194	0.857	1.1668611	0.149	1.674	1.689	0.01329	1623
	31	301.083		0.857	1.1668611	0.000	0.000			
	32	303.379		0.857	1.1668611	0.000	0.000			
	33	301.719		0.857	1.1668611	0.000	0.000			
	34	299.644	0.428	0.857	1.1668611	0.330	3.699			
	35	300.907	0.436	0.857	1.1668611	0.335	3.751			
	36	300.887	0.426	0.857	1.1668611	0.327	3.665	3.705	0.04321	98

Sample #	Bottle #	Bot. Vol.	Titration	f	Standard	mg-at O2/ liter	ml O2/Liter	Ave.	St Dev	Depth
CTD 5	37	299.373	0.1	1.109	0.902	0.100	1.119	1.093	0.02736	1027
	38	301.91	0.096	1.109	0.902	0.095	1.065			
	39	299.533	0.098	1.109	0.902	0.098	1.096			
	40	299.203		1.109	0.902	0.000	0.000			
	41	300.58		1.109	0.902	0.000	0.000			
	42	302.194		1.109	0.902	0.000	0.000			
	43	299.848	0.072	1.109	0.902	0.072	0.804	0.841	0.03194	459
	44	301.623	0.077	1.109	0.902	0.076	0.855			
	45	301.653	0.0778	1.109	0.902	0.077	0.864			
	46	302.024	0.219	1.109	0.902	0.217	2.428	2.542	0.09975	237
	47	301.563	0.235	1.109	0.902	0.233	2.609			
	48	301.26	0.233	1.109	0.902	0.231	2.590			
	8	302.581		1.109	0.902	0.000	0.000			
	9	301.682		1.109	0.902	0.000	0.000			
	10	300.098		1.109	0.902	0.000	0.000			
CTD 6	49	300.682	0.081	1.109	0.902	0.081	0.902	0.908	0.0178	391
	70	299.689	0.083	1.109	0.902	0.083	0.928			
	67	303.379	0.081	1.109	0.902	0.080	0.894			
	29	303.038	0.293	1.109	0.902	0.289	3.236	3.347	0.25244	100
	30	300.101	0.2839	1.109	0.902	0.283	3.169			
	51	299.468	0.325	1.109	0.902	0.325	3.636			
				1.109	0.902	0.000	0.000			
				1.109	0.902	0.000	0.000			
				1.109	0.902	0.000	0.000			
				1.109	0.902	0.000	0.000			

Sample #	Bottle #	Bot. Vol.	Titration	f	Standard	mg-at O2/ liter	ml O2/Liter	Ave.	St Dev	
CTD 7	54	302.727	0.278	1.109	0.902	0.274	3.074	3.2417		2144
	57	303.058		1.109	0.902	0.000	0.000			
	60	299.679	0.305	1.109	0.902	0.304	3.409			
	52	301.293	0.092	1.109	0.902	0.091	1.022	1.0332	0.02104	1098
	21	302.067	0.092	1.109	0.902	0.091	1.020			
	17	300.869	0.095	1.109	0.902	0.094	1.057			
	65	300.862	0.106	1.109	0.902	0.105	1.180	1.0687	0.0992	451
	69	303.369	0.094	1.109	0.902	0.093	1.037			
	63	301.263	0.089	1.109	0.902	0.088	0.989			
	26	302.497	0.246	1.109	0.902	0.243	2.722	2.7528	0.12201	100.7
	72	299.378	0.258	1.109	0.902	0.258	2.887			
	36	300.887	0.238	1.109	0.902	0.237	2.649			
CTD 8	18	300.458	0.082	1.109	0.902	0.082	0.914	0.9001	0.04694	451
	50	299.859	0.084	1.109	0.902	0.084	0.938			
	61	300.291	0.076	1.109	0.902	0.076	0.848			
	68	302.065	0.229	1.109	0.902	0.227	2.538	2.7750	0.47539	98
	27	301.364	0.299	1.109	0.902	0.297	3.322			
	15	301.607	0.222	1.109	0.902	0.220	2.465			
	66	303.279	0.146	1.109	0.902	0.144	1.611	1.4895	0.12981	2174
	71	302.627	0.136	1.109	0.902	0.134	1.504			
	19	301.923	0.122	1.109	0.902	0.121	1.353			
	22	302.428		1.109	0.902	0.000	0.000			
	62	300.602		1.109	0.902	0.000	0.000			
	55	301.935		1.109	0.902	0.000	0.000			

Sample #	Bottle #	Bot. Vol.	Titration	f	Standard	mg-at O2/ liter	ml O2/Liter	Ave.	St Dev	
CTD 9	25	300.582	0.142	0.848	1.1792	0.108	1.210	1.195	0.0342	2164
	26	302.497	0.144	0.848	1.1792	0.109	1.219			
	27	301.364	0.136	0.848	1.1792	0.103	1.156			
	28	302.497	0.073	0.848	1.1792	0.055	0.618	0.659	0.0379	613
	29	303.038	0.082	0.848	1.1792	0.062	0.693			
	30	300.101	0.078	0.848	1.1792	0.059	0.666			
	31	301.083		0.848	1.1792	0.000	0.000			
	32	303.379		0.848	1.1792	0.000	0.000			
	33	301.719		0.848	1.1792	0.000	0.000			
	34	299.644	0.263	0.848	1.1792	0.201	2.249	2.066	0.2144	99
	35	300.907	0.249	0.848	1.1792	0.189	2.120			
	36	300.887	0.215	0.848	1.1792	0.163	1.830			
CTD 10	5	300.331	0.118	0.848	1.1792	0.090	1.007	1.024	0.0499	1411
	6	301.688	0.116	0.848	1.1792	0.088	0.985			
	7	298.991	0.126	0.848	1.1792	0.096	1.080			
	11	301.222	0.062	0.848	1.1792	0.047	0.527	0.566	0.0468	499
	12	300.901	0.065	0.848	1.1792	0.049	0.553			
	13	302.385	0.073	0.848	1.1792	0.055	0.618			
	14	301.166		0.848	1.1792	0.000	0.000			
	15	301.607		0.848	1.1792	0.000	0.000			
	16	300.167		0.848	1.1792	0.000	0.000			
	17	300.869	0.271	0.848	1.1792	0.206	2.307	2.187	0.1189	99
	18	300.458	0.256	0.848	1.1792	0.195	2.183			
	19	301.923	0.244	0.848	1.1792	0.185	2.070			

Sample #	Bottle #	Bot. Vol.	Titration	f	Standard	mg-at O2/ liter	ml O2/Liter	Ave.	St Dev	Depth
CTD 11	49	300.682	0.131	0.848	1.17925	0.100	1.116	1.119	0.059	1753
	50	299.859	0.138	0.848	1.17925	0.105	1.179			
	51	299.468	0.124	0.848	1.17925	0.095	1.061			
	56	301.243		0.848	1.17925	0.000	0.000			
	57	303.058		0.848	1.17925	0.000	0.000			
	58	300.511		0.848	1.17925	0.000	0.000			
	59	301.714	0.067	0.848	1.17925	0.051	0.569	0.565	0.018	400
	60	299.679	0.068	0.848	1.17925	0.052	0.581			
	61	300.291	0.064	0.848	1.17925	0.049	0.546			
	63	301.263	0.245	0.848	1.17925	0.186	2.083	2.026	0.063	~~1000~~ 101
	64	301.805	0.24	0.848	1.17925	0.182	2.037			
	65	300.862	0.23	0.848	1.17925	0.175	1.958			
CTD 12	44	301.623		0.916	1.0917	0.000	0.000			
	43	299.848		0.916	1.0917	0.000	0.000			
	66	303.279		0.916	1.0917	0.000	0.000			
	52	301.293	0.135	0.916	1.0917	0.111	1.240	1.208	0.042	499
	53	302.547	0.127	0.916	1.0917	0.104	1.161			
	54	302.727	0.134	0.916	1.0917	0.109	1.224			
	70	299.689	0.116	0.916	1.0917	0.096	1.071	1.062	0.053	351
	71	302.627	0.11	0.916	1.0917	0.090	1.005			
	72	299.378	0.12	0.916	1.0917	0.099	1.110			
	67	303.379	0.424	0.916	1.0917	0.345	3.865	3.853	0.014	101
	68	302.065	0.419	0.916	1.0917	0.343	3.837			
	69	303.369	0.423	0.916	1.0917	0.344	3.856			

Sample #	Bottle #	Bot. Vol.	Titration	f	Standard	mg-at O2/ liter	ml O2/Liter	Ave	St Dev	Depth
CTD 13	28	302.497	0.221	0.916	1.0917	0.180	2.0207731	2.03	0.0119	2071
	29	303.038	0.224	0.916	1.0917	0.183	2.0442616			
	30	300.101	0.22	0.916	1.0917	0.181	2.0289607			
	27	301.364	0.128	0.916	1.0917	0.105	1.1751493	1.18	0.0064	451
	36	300.887	0.129	0.916	1.0917	0.106	1.1863558			
	35	300.907	0.129	0.916	1.0917	0.106	1.1862707			
	34	299.644		0.916	1.0917	0.000	0			
	42	302.194		0.916	1.0917	0.000	0			
	41	300.58		0.916	1.0917	0.000	0			
	48	301.26	0.414	0.916	1.0917	0.339	3.8022889	3.78	0.0307	100
	47	301.563	0.414	0.916	1.0917	0.339	3.7981679			
	40	299.203	0.405	0.916	1.0917	0.335	3.7472322			
CTD 14	9	301.682	0.432	0.916	1.0917	0.354	3.9616193	3.96	0.0126	100
	10	300.098	0.431	0.916	1.0917	0.355	3.9749613			
	11	301.222	0.43	0.916	1.0917	0.353	3.9497747			
	22	302.428	0.132	0.916	1.0917	0.108	1.2072746	1.25	0.0564	420
	23	300.477	0.143	0.916	1.0917	0.118	1.3170438			
	24	301.379	0.135	0.916	1.0917	0.111	1.2393487			
	37	299.373		0.916	1.0917	0.000	0			
	38	301.91		0.916	1.0917	0.000	0			
	39	299.533		0.916	1.0917	0.000	0			
	61	300.291	0.228	0.916	1.0917	0.188	2.1013055	2.11	0.0103	1962
	62	300.602	0.229	0.916	1.0917	0.188	2.1081658			
	63	301.263	0.231	0.916	1.0917	0.189	2.1215442			

Sample #	Bottle #	Bot. Vol.	Titration	f	Standard	mg-at O2/ liter	ml O2/Liter	Ave.	St Dev	Depth
CTD 15	25	300.582	0.492	0.857	1.1669	0.378	4.238			
	26	302.497	0.468	0.857	1.1669	0.357	4.004			
	27	301.364		0.857	1.1669	0.000	0.000			
	28	302.497	0.082	0.857	1.1669	0.063	0.701	0.061	0.0019	355
	29	303.038	0.082	0.857	1.1669	0.063	0.700			
	30	300.101	0.077	0.857	1.1669	0.059	0.664			
	34	299.644	0.079	0.857	1.1669	0.061	0.683	0.063	0.0026	501
	35	300.907	0.082	0.857	1.1669	0.063	0.705			
	36	300.887	0.086	0.857	1.1669	0.066	0.740			
	37	299.373	0.236	0.857	1.1669	0.182	2.042	0.182	7E-05	2162
	38	301.91	0.238	0.857	1.1669	0.182	2.040			
	39	299.533	0.236	0.857	1.1669	0.182	2.040			
CTD 16	31	301.083	0.424	0.857	1.1669	0.326	3.646	0.322	0.0046	101
	32	303.379	0.426	0.857	1.1669	0.324	3.633			
	33	301.719	0.414	0.857	1.1669	0.317	3.552			
	40	299.203	0.086	0.857	1.1669	0.066	0.744	0.063	0.003	452
	41	300.58	0.08	0.857	1.1669	0.062	0.689			
	42	302.194	0.0799	0.857	1.1669	0.061	0.684			
	43	299.848		0.857	1.1669	0.000	0.000			
	44	301.623		0.857	1.1669	0.000	0.000			
	45	301.653		0.857	1.1669	0.000	0.000			
	46	302.024	0.228	0.857	1.1669	0.174	1.954	0.176	0.0013	2080
	47	301.563	0.231	0.857	1.1669	0.177	1.983			
	48	301.26	0.229	0.857	1.1669	0.176	1.968			

Sample #	Bottle #	Bot. Vol.	Titration	f	Standard	mg-at O2/ liter	ml O2/Liter	Ave	St Dev	Depth
CTD 17	5	300.331		0.857	1.1669	0.000	0.000			
	6	301.688		0.857	1.1669	0.000	0.000			
	7	298.991		0.857	1.1669	0.000	0.000			
	8	302.581	0.232	0.857	1.1669	0.177	1.984	0.18	0.00	2153
	9	301.682	0.234	0.857	1.1669	0.179	2.008			
	10	300.098	0.232	0.857	1.1669	0.179	2.002			
	11	301.222	0.409	0.857	1.1669	0.314	3.515	0.32	0.00	102
	12	300.901	0.407	0.857	1.1669	0.313	3.502			
	14	301.166	0.416	0.857	1.1669	0.319	3.576			
	15	301.607	0.095	0.857	1.1669	0.073	0.815	0.07	0.00	313
	16	300.167	0.092	0.857	1.1669	0.071	0.794			
	17	300.869	0.089	0.857	1.1669	0.068	0.766			
CTD 18	18	300.458	0.432	0.857	1.1669	0.332	3.723	0.33	0.00	100
	19	301.923	0.436	0.857	1.1669	0.334	3.738			
	21	302.067	0.434	0.857	1.1669	0.332	3.718			
	22	302.428	0.058	0.857	1.1669	0.044	0.496	0.04	0.00	272
	23	300.477	0.046	0.857	1.1669	0.035	0.396			
	24	301.379	0.0539	0.857	1.1669	0.041	0.463			
	49	300.682		0.857	1.1669	0.000	0.000			
	50	299.859		0.857	1.1669	0.000	0.000			
	51	299.468		0.857	1.1669	0.000	0.000			
	52	301.293	0.236	0.857	1.1669	0.181	2.028	0.18	0.00	2143
	53	302.547	0.236	0.857	1.1669	0.180	2.019			
	54	302.727	0.234	0.857	1.1669	0.179	2.000			