

APPENDIX D.

Specific-gravity Observations taken on the Homeward Voyage between the Falkland Islands and Portsmouth.

Date, 1876.	Latitude South.	Longitude West.	Depth of the Sen.	Depth (f) at which Water was taken.	Temperature (t) at d.	Temperature (t) during Observation.	Specific Grav-ity at t. Water at 4° = 1.	Specific Grav-ity at 15°.56. Water at 4° = 1.	Specific Grav-ity at t. Water at 4° = 1.
			F.ms.	Fathoms.					
Feb. 7	50° 41'	56° 20'	....	Surface.	7° 5 C.	9° 3 C.	1.02637	1.02517	1.02661
" 8	48 37	55 17	1035	"	7° 7	9° 9	1.02635	1.02525	1.02667
"	....	....	....	25	5° 7	10° 4	1.02627	1.02526	1.02693
"	....	....	....	50	4° 4	9° 9	1.02631	1.02521	1.02704
"	....	....	....	100	4° 0	10° 0	1.02631	1.02523	1.02710
"	....	....	....	200	3° 4	10° 1	1.02630	1.02524	1.02715
"	....	....	....	300	3° 4	10° 1	1.02630	1.02524	1.02715
"	....	....	....	400	3° 4	10° 1	1.02645	1.02540	1.02730
"	....	....	....	Bottom.	1° 7	11° 5	1.02611	1.02528	1.02730
9	47 50	56 9	....	Surface.	10° 8	10° 7	1.02634	1.02535	1.02632
10	45 1	56 9	....	"	10° 5	11° 7	1.02603	1.02527	1.02630
11	42 32	56 27	2040	"	13° 8	13° 7	1.02564	1.02525	1.02562
"	....	....	....	25	13° 7	16° 8	1.02493	1.02530	1.02569
"	....	....	....	50	6° 2	16° 3	1.02497	1.02528	1.02689
"	....	....	....	100	2° 5	15° 9	1.02503	1.02512	1.02708
"	....	....	....	200	1° 6	16° 1	1.02497	1.02514	1.02714
"	....	....	....	300	1° 6	16° 2	1.02493	1.02511	1.02711
"	....	....	....	400	1° 6	16° 2	1.02504	1.02522	1.02722
"	....	....	....	800	1° 6	16° 1	1.02556	1.02573	1.02771
"	....	....	....	Bottom.	0° 3	16° 3	1.02564	1.02584	1.02782
12	41 39	54 40	2425	Surface.	14° 8	16° 3	1.02538	1.02559	1.02544
"	....	....	....	Bottom.	-0° 4	15° 9	1.02544	1.02553	1.02767
13	39 33	54 20	....	Surface.	11° 3	13° 4	1.02568	1.02526	1.02612
"	38 54	54 17	....	"	19° 2	18° 6	1.02459	1.02540	1.02471
14	37 17	53 52	600	"	17° 6	17° 8	1.02470	1.02530	1.02476
"	....	....	....	25	15° 6	17° 1	1.02499	1.02538	1.02538
"	....	....	....	50	7° 8	16° 9	1.02458	1.02493	1.02632
"	....	....	....	100	....	16° 8	1.02534	1.02567	....
"	....	....	....	200	4° 6	16° 8	1.02503	1.02535	1.02722
"	....	....	....	400	3° 4	17° 0	1.02500	1.02537	1.02727
"	....	....	....	Bottom.	2° 7	16° 9	1.02510	1.02544	1.02740
15	35 4	55 6	....	Surface.	21° 8	21° 1	1.01655	Too light for reduction.	
"	35 1	55 18	....	"	22° 2	21° 6	1.01215	....	....
26	35 12	53 7	21	"	22° 0	22° 3	1.02113	1.02291	1.02122
27	35 25	52 35	....	"	23° 4	23° 6	1.02444	1.02667	1.02450
28	35 39	50 47	1900	"	23° 3	23° 6	1.02460	1.02680	1.02470
"	....	....	....	25	21° 7	23° 1	1.02475	1.02682	1.02519
"	....	....	....	50	20° 0	22° 9	1.02494	1.02692	1.02578
"	....	....	....	100	17° 6	22° 9	1.02471	1.02670	1.02615
"	....	....	....	200	13° 2	22° 9	1.02428	1.02627	1.02670
"	....	....	....	300	10° 2	23° 0	1.02385	1.02587	1.02690
"	....	....	....	400	4° 8	23° 0	1.02450	1.02653	1.02832
"	....	....	....	800	2° 3	23° 05	1.02461	1.02666	1.02860
"	....	....	....	Bottom.	0° 0	23° 1	1.02445	1.02650	1.02860
29	36 9	48 22	2800	Surface.	21° 9	22° 0	1.02440	1.02612	1.02443
"	....	....	....	Bottom.	-0° 4	22° 2	1.02433	1.02610	1.02820
March 1	36 0	47 33	....	Surface.	21° 3	21° 5	1.02492	1.02649	1.02498
"	....	....	....	20	....	22° 3	1.02503	1.02685	....
2	36 44	46 16	2650	Surface.	22° 0	22° 4	1.02499	1.02682	1.02511
"	....	....	....	25	21° 0	23° 2	1.02475	1.02682	1.02540
"	....	....	....	50	18° 7	22° 4	1.02513	1.02695	1.02612
"	....	....	....	100	16° 7	22° 6	1.02455	1.02676	1.02646
"	....	....	....	200	12° 5	22° 55	1.02452	1.02642	1.02708
"	....	....	....	300	7° 2	22° 7	1.02490	1.02682	1.02831
"	....	....	....	400	4° 6	22° 9	1.02392	1.02590	1.02772
"	....	....	....	800	2° 6	22° 8	1.02347	1.02543	1.02738
"	....	....	....	Bottom.	-0° 4	23° 2	1.02383	1.02591	1.02805