

APPENDIX D.

Specific-gravity Observations taken between Madeira and Bahia during the Months of July, August, and September, 1873.

Date, 1873.	Latitude North.	Longitude West.	Depth of the Sea.	Depth (f) at which the Water was taken.	Temperature (°) at 2.	Temperature (°) during Observation.	Specific Gravity at 4° = 1.	Specific Gravity at 15° 5. Water at 4° = 1.	Specific Gravity at 4. Water at 4° = 1.
			F.ms.	Fathoms.					
July 18	30° 38'	18° 5'	....	Surface.	21° 7 C.	22° 0 C.	1·02564	1·02733	1·02560
19	28 42	18 6	1125	"	20 7	22 0	1·02570	1·02739	1·02603
20	27 0	19 38	....	"	22 2	22 8	1·02563	1·02755	1·02578
21	25 46	20 34	2300	"	22 5	23 2	1·02548	1·02753	1·02568
"	....	....	....	Bottom.	1 8	20 1	1·02513	1·02631	1·02832
22	23 58	21 18	2300	Surface.	22 9	23 8	1·02539	1·02762	1·02562
"	....	....	....	Bottom.	1 65	24 2	1·02390	1·02625	1·02827
"	....	....	....	400	8 0	24 2	1·02396	1·02631	1·02768
23	22 18	22 2	2400	Surface.	23 0	24 1	1·02494	1·02727	1·02523
24	20 58	22 57	2400	"	23 3	23 9	1·02469	1·02695	1·02487
"	....	....	....	100	16 7	23 5	1·02528	1·02742	1·02712
"	....	....	....	150	15 0	23 5	1·02454	1·02668	1·02679
"	....	....	....	300	10 0	23 5	1·02438	1·02652	1·02760
"	....	....	....	400	7 2	23 5	1·02405	1·02619	1·02768
"	....	....	....	500	6 75	20 7	1·02477	1·02610	1·02765
"	....	....	....	Bottom.	1 8	23 5	1·02438	1·02652	1·02853
25	19 4	24 6	2075	Surface.	23 6	23 9	1·02491	1·02717	1·02495
"	....	....	....	100	14 1	23 9	1·02418	1·02644	1·02676
"	....	....	....	200	12 8	24 0	1·02427	1·02656	1·02715
"	....	....	....	300	9 8	23 9	1·02401	1·02630	1·02741
"	....	....	....	400	7 7	23 9	1·02387	1·02613	1·02756
"	....	....	....	Bottom.	1 75	21 0	1·02558	1·02698	1·02899
26	17 54	24 41	1975	Surface.	23 9	24 6	1·02460	1·02709	1·02478
"	....	....	....	45	20 0	23 4	1·02540	1·02751	1·02636
"	....	....	....	75	18 5	23 0	1·02522	1·02721	1·02643
"	....	....	....	100	16 6	22 8	1·02492	1·02684	1·02659
27	17 10	25 0	1070	Surface.	24 2	25 1	1·02442	1·02708	1·02470
August 6	15 43	24 15	....	"	25 6	26 1	1·02422	1·02719	1·02434
"	13 36	22 49	....	"	26 1	26 7	1·02374	1·02692	1·02392
"	....	....	2300	Bottom.	1 8	26 1	1·02321	1·02618	1·02820
11	12 15	22 28	....	Surface.	25 9	26 6	1·02348	1·02663	1·02371
"	....	....	....	25	15 7	25 6	1·02383	1·02664	1·02658
"	....	....	....	50	12 3	25 5	1·02360	1·02640	1·02708
"	....	....	....	100	10 8	25 6	1·02355	1·02636	1·02731
"	....	....	....	200	9 3	25 7	1·02338	1·02622	1·02741
"	....	....	....	300	7 8	25 6	1·02347	1·02628	1·02767
12	11 59	21 12	....	Surface.	26 1	26 5	1·02323	1·02632	1·02332
13	10 25	20 30	....	"	25 5	26 2	1·02323	1·02623	1·02343
"	....	....	....	50	15 2	26 1	1·02346	1·02643	1·02649
"	....	....	....	100	11 7	25 9	1·02344	1·02633	1·02710
"	....	....	....	300	6 7	26 1	1·02332	1·02629	1·02773
"	....	....	2575	Bottom.	1 8	25 9	1·02326	1·02615	1·02816
14	9 15	18 28	....	Surface.	25 7	26 5	1·02309	1·02618	1·02331
"	....	....	1750	Bottom.	2 0	26 2	1·02318	1·02619	1·02816
15	7 53	17 26	....	Surface.	25 6	25 9	1·02322	1·02612	1·02330
16	7	15 55	....	"	26 1	26 3	1·02322	1·02625	1·02326
"	....	....	....	40	17 9	25 2	1·02392	1·02661	1·02599
"	....	....	....	100	12 8	25 2	1·02366	1·02635	1·02690
"	....	....	....	200	9 7	25 2	1·02340	1·02609	1·02721