

Distance from Sandy Hook at noon, 568 miles. Made good 64 miles. Amount of current 9 miles, direction N. 35° E. STATION 38.

Station 39 (Sounding 97), Bermuda to Halifax (see Chart 9 and Diagram 2). STATION 39.

April 27, 1873; lat. 34° 3' N., long. 67° 32' W.

Temperature of air at noon, 58°·8; mean for the day, 59°·6.

Temperature of water:—

Surface,	65°0	175 fathoms,	63°8
10 fathoms,	66·5	200 "	63·7
20 "	67·0	225 "	63·5
30 "	66·2	250 "	63·3
40 "	65·2	300 "	62·5
50 "	64·7	350 "	60·0
60 "	64·2	400 "	56·5
70 "	64·1	450 "	52·5
80 "	64·0	500 "	48·7
90 "	63·9	550 "	45·2
100 "	63·8	600 "	42·2
125 "	63·8	650 "	41·0
150 "	63·8	Bottom,	36·5

Density at 60° F. at surface, 1·02701.

Depth, 2850 fathoms; deposit, Red Clay, containing 28·31 per cent. of carbonate of lime (see Murray and Renard, Deep-Sea Deposits Chall. Exp.).

At 11.20 A.M. shortened and furled sails, and got up steam to sound. At 1 P.M. sounded in 2850 fathoms. At 2 P.M. took serial temperatures down to 650 fathoms. Sea still running high. Two black threads, over 100 feet in length, were put over the stern of the ship; in a short time one of Wilson's petrels became entangled, and was hauled on board.

Distance at noon from Sandy Hook, 490 miles. Distance run through the water 74 miles; made good 9 miles. Amount of current 5 miles, direction S. 19° E.

Station 40 (Sounding 98), Bermuda to Halifax (see Chart 9 and Diagram 2). STATION 40.

April 28, 1873; lat. 34° 51' N., long. 68° 30' W.

Temperature of air at noon, 65°·8; mean for the day, 63°·4.

Temperature of water at surface, 69°·5.

Density at 60° F. at surface, 1·02698.