

Depth, 2700 fathoms; deposit, Red Clay, containing 27·59 per cent. of carbonate of lime (see Murray and Renard, Deep-Sea Deposits Chall. Exp.) STATION 65.

At 3.30 P.M. got up steam, and at 4 P.M. shortened and furled sails, and proceeded under steam to sound. At 5 P.M. sounded in 2700 fathoms. Obtained serial temperatures at intervals of 100 fathoms down to 1500 fathoms. Sent down German water-bottle, and obtained sample of bottom water for analysis. At 7 P.M. completed temperatures, and at 7.15 P.M. proceeded under all plain sail.

Distance from Fayal at noon, 960 miles. Made good 102 miles. Amount of current 18 miles, direction N. 19° E.

**Station 66** (Sounding 130), Bermuda to Azores (see Chart 6 and Diagram 3). STATION 66.

June 22, 1873; lat. 37° 24' N., long. 44° 14' W.

Temperature of air at noon, 72°·8; mean for the day, 72°·1.

Temperature of water:—

Surface, . . . . .	70·0	500 fathoms, . . . . .	50·5
100 fathoms, . . . . .	63·0	600 „ . . . . .	45·0
200 „ . . . . .	61·5	700 „ . . . . .	41·2
300 „ . . . . .	60·1	Bottom, . . . . .	36·5
400 „ . . . . .	55·8		

Density at 60° F. at surface, 1·02712; bottom, 1·02621.

Depth, 2750 fathoms; deposit, Globigerina Ooze, containing 35·31 per cent. of carbonate of lime (see Murray and Renard, Deep-Sea Deposits Chall. Exp.).

At 3.40 P.M. got up steam, and at 4 P.M. shortened and furled sail, and proceeded under steam to sound. Sounded in 2750 fathoms. Obtained serial temperatures at intervals of 100 fathoms down to 700 fathoms. Sent down slip water-bottle, and obtained sample of bottom water for analysis. At 7.40 P.M. made all plain sail.

Distance from Fayal at noon, 780 miles. Made good 180 miles. Amount of current 6 miles, direction W.

**Station 67** (Sounding 131), Bermuda to Azores (see Chart 6 and Diagram 3). STATION 67.

June 23, 1873; lat. 37° 54' N., long. 41° 44' W.

Temperature of air at noon, 72°·3; mean for the day, 71°·0.