

Obtained serial temperatures down to 500 fathoms. At 7.30 P.M. completed observations, and made all plain sail. STATION 105.

Distance at noon from St. Paul's Rocks, 428 miles. Made good 140 miles. Amount of current 17 miles, direction N. 45° W.

Station 106 (Sounding 177), St. Vincent to St. Paul's Rocks (see Chart 12 and Diagram 4). STATION 106.

August 25, 1873; lat. 1° 47' N., long. 24° 26' W.

Temperature of air at noon, 77°·8; mean for the day, 76°·9.

Temperature of water :—

Surface,	78·8	500 fathoms,	40·3
10 fathoms,	78·6	600 „	40·2
20 „	78·4	700 „	40·1
30 „	78·2	800 „	40·0
40 „	76·2	900 „	39·6
50 „	62·4	1000 „	39·2
60 „	59·0	1100 „	38·8
70 „	58·0	1200 „	38·3
100 „	55·0	1300 „	37·9
200 „	45·0	1400 „	37·5
300 „	40·7	1500 „	37·0
400 „	40·5	Bottom,	36·6

Density at 60° F. at surface, 1·02615.

Depth, 1850 fathoms; deposit, Globigerina Ooze, containing 89·47 per cent. of carbonate of lime (see Murray and Renard, Deep-Sea Deposits Chall. Exp.).

At 5.20 A.M. got up steam. At 7 A.M. shortened and furled sails, and put trawl over, veering 2500 fathoms. At 9.15 A.M. sounded in 1850 fathoms. Lowered cutter to try current. Took serial temperatures down to 1500 fathoms. The carbonic acid was determined in surface water, and amounted to 42·6 milligrammes per litre. At 4.30 P.M. trawl came up with a number of highly interesting specimens.

Distance at noon from St. Paul's Rocks, 301 miles. Made good 128 miles. Amount of current 26 miles, direction N. 76° W.

The following species are recorded in the Zoological Reports from the trawl at this Station :—

ANIMALS FROM
TRAWL

TETRACTINELLIDA (Sollas, Zool. pt. 63).

Thenia fenestrata (Schmidt). Four or five specimens; obtained also at Station 124, 1600 fathoms. Recorded from Bequia and West Indies.