

STATION 348.

Station 348 (Sounding 498), Ascension Island to St. Vincent (see Chart 12).

April 9, 1876; lat. 3° 10' N., long. 14° 51' W.

Temperature of air at noon, 84°·8; mean for the day, 82°·1.

Temperature of water :—

Surface,	84·0	190 fathoms,	49·7
10 fathoms,	84·0	200 "	49·1
20 "	82·2	225 "	47·8
30 "	70·8	250 "	46·4
40 "	62·2	275 "	45·1
50 "	59·5	300 "	43·8
60 "	58·2	400 "	41·2
70 "	57·6	500 "	40·4
80 "	57·0	600 "	40·0
90 "	56·5	700 "	39·8
100 "	56·1	800 "	39·6
110 "	55·7	900 "	39·3
120 "	55·3	1000 "	39·0
130 "	54·9	1100 "	38·7
140 "	54·5	1200 "	38·4
150 "	54·1	1300 "	38·1
160 "	53·0	1400 "	37·8
170 "	52·0	1500 "	37·6
180 "	50·9		

Density at 60° F. :—

Surface,	1·02578	200 fathoms,	1·02589
25 fathoms,	1·02599	300 "	1·02602
50 "	1·02629	385 "	1·02580
100 "	1·02627	800 "	1·02565

Depth (2450 fathoms); deposit, Globigerina Ooze, containing 83·13 per cent. of carbonate of lime (see Murray and Renard, Deep-Sea Deposits Chall. Exp.).

At 5.40 A.M. stopped to dredge and obtain temperatures in the same position as Station 102 of August 21, 1873, about 430 miles W.S.W. of Cape Palmas. At 6 A.M. put over dredge, veering 3000 fathoms. Took serial temperatures down to 1500 fathoms. At 11 A.M. commenced heaving in dredge, which came up at 2 P.M. with very few specimens, but the dredge and attached tow-net contained over eleven litres of the deposit. At 2.10 P.M. proceeded under steam. One *Thalassidroma* was seen.

Cape Verde distant at noon, 714 miles. Made good 110 miles. Amount of current 6 miles, direction N. 39° W.