

STATION 18. back appears of a deep blue, the tail a brilliant yellow, the pectoral fins white. They would not take a bait; the 'grains'¹ were tried, a bottle being dropped on the water with a string to attract the fish, but without success. A small shark with two pilot fish came alongside and twice took a bait, but was not hooked."

STATION 19. **Station 19** (Sounding 63), Tenerife to Sombrero (see Chart 6 and Diagram 1).

March 11, 1873; lat. 19° 15' N., long. 57° 47' W.

Temperature of air at noon, 77°·8; mean for the day, 76°·5.

Temperature of water at surface, 75°·0; bottom, 35°·5.

Density at 60° F. at surface, 1·02728; bottom, 1·02614.

Depth, 3000 fathoms; deposit, Red Clay, containing 1·49 per cent. of carbonate of lime (see Murray and Renard, Deep-Sea Deposits Chall. Exp.).

At 3 P.M. sounded in 3000 fathoms, and at 4.30 P.M. made all plain sail. Flying-fish were very abundant, and gulf-weed floated past in considerable quantity.

Sombrero Island distant at noon, 344 miles. Made good 132 miles. Amount of current 16 miles, direction N. 86° W.

STATION 20. **Station 20** (Sounding 64), Tenerife to Sombrero (see Chart 6 and Diagram 1).

March 12, 1873; lat. 18° 56' N., long. 59° 35' W.

Temperature of air at noon, 78°·8; mean for the day, 75°·5.

Temperature of water:—

Surface,	75·0	900 fathoms,	39·3
100 fathoms,	68·5	1000 "	38·8
200 "	59·8	1100 "	38·3
300 "	49·7	1200 "	37·8
400 "	45·0	1300 "	37·3
500 "	42·5	1400 "	36·8
600 "	41·2	1500 "	36·3
700 "	40·5	Bottom,	36·0
800 "	39·8		

Density at 60° F. at surface, 1·02727; bottom, 1·02727.

Depth, 2975 fathoms; deposit, Red Clay, containing 3·50 per cent. of carbonate of lime (see Murray and Renard, Deep-Sea Deposits Chall. Exp.).

At 6.30 A.M. put dredge over, and at 9 A.M. sounded in 2975 fathoms. At noon took a series of temperatures at intervals of 100 fathoms down to 1500 fathoms. At 1.30 P.M. commenced heaving in dredge, which came up at 5.30 P.M. half full of mud, containing about a dozen Annelid tubes, some with the animal inside.

¹ An iron instrument with four or five barbed points, and a line attached, used by sailors for striking and taking fish.