

250 fathoms,	43·5	900 fathoms,	37·7
275 "	43·2	1000 "	37·1
300 "	42·9	1100 "	36·8
400 "	41·8	1200 "	36·5
500 "	40·9	1300 "	36·3
600 "	40·0	1400 "	36·0
700 "	39·2	1500 "	35·8
800 "	38·4	Bottom,	34·4

Density at 60° F. :—

Surface,	1·02522	300 fathoms,	1·02538
25 fathoms,	1·02523	400 "	1·02525
50 "	1·02517	800 "	1·02548
100 "	1·02531	1550 "	1·02563
200 "	1·02538	Bottom,	1·02573

Depth, 2025 fathoms; deposit, Globigerina Ooze, containing 44·68 per cent. of carbonate of lime (see Murray and Renard, Deep-Sea Deposits Chall. Exp.).

At 4.30 A.M. shortened and furled sails, and proceeded under steam. At 5.30 A.M. sounded in 2025 fathoms. In this, as in the last Station, the deposit, though a Globigerina Ooze, was of a dark brown colour, which was due to the large quantity of the peroxides of iron and manganese. Associated with the Foraminiferous shells were very many fragments of basic volcanic rocks. Some of the manganese nodules had a nucleus of hard black volcanic glass (sideromelan), which was surrounded by a zone of altered material (palagonite). At 7 A.M. put trawl over and veered 2500 fathoms. Obtained serial temperatures down to 1500 fathoms. At 1 P.M. commenced heaving in trawl, which came up at 3 P.M. with several specimens, about a dozen manganese nodules, and two sharks' teeth. Made all plain sail. The following birds were noticed:—*Diomedea exulans* (two large white ones remained near the ship, and twice or thrice took the hook, but were not landed on board), molly mauks (*Diomedea melanophrys* ?), *Procellaria capensis*, mutton birds, several petrels rather less in size than the Cape pigeon but with longer wings, and a large petrel-like bird less than the molly mauk.

Valparaiso distant at noon, 1661 miles. Made good 141 miles. Amount of current 6 miles, direction S.

The following species is recorded from the trawl at this Station :—

ANIMAL FROM
TRAWL.

ACTINIARIA (Hertwig, Zool. pt. 15).

Corallimorphus profundus, Moseley, n.g., n.sp. One specimen; obtained also at Station 300, 1375 fathoms.