

STATIONS 305 TO
305B.ORGANISMS FROM
SURFACE-NETS.

Surface Organisms.—The following species is recorded from the surface at this Station :—

TUNICATA (Herdman, Zool. pt. 76).

Salpa cordiformis-zonaria, Quoy and Gaimard—Pallas.

The tow-nets procured Diatoms, *Sagitta*, numerous Annelid larvæ, Crustacea, and small Lamellibranchs.

STATIONS 306
AND 306A.

Stations 306 and 306A (Soundings 453 and 454), Gulf of Peñas to Sandy Point through Magellan Strait (see Chart 41).

January 2, 1876 ; lat. 48° 17' to 48° 27' S., long. 74° 33' to 74° 30' W.

Temperature of air at noon, 61°·3 ; mean for the day, 56°·9.

Temperature of water :—

Surface,	57·5	125 fathoms,	46·0
25 fathoms,	49·3	150 „	46·0
50 „	47·2	175 „	46·0
75 „	46·8	200 „	46·0
100 „	46·2	Bottom (345 fathoms),	46·0

Density at 60° F. :—

Surface,	{ 1·00480	200 fathoms,	1·02512
	{ 1·01521	300 „	1·02503
100 fathoms,	1·02487	Bottom,	1·02515

Depth, 565 and 345 fathoms ; deposit, Blue Mud, containing only a trace of carbonate of lime (see Murray and Renard, Deep-Sea Deposits Chall. Exp.).

At 4 A.M. got up steam, and at 5 A.M. weighed anchor and proceeded out of Hale Cove. At 9 A.M. stopped and sounded in 565 fathoms (Station 306), and at 9.20 A.M. proceeded. At 11.30 A.M. stopped opposite Middle Island, and landed surveying and exploring parties. Sounded in 345 fathoms (Station 306A). Put over trawl. Obtained serial temperatures down to 200 fathoms. The carbonic acid was determined in water from the bottom, and amounted to 45·1 milligrammes per litre. At 1.15 P.M. trawl came up with many specimens. At 2 P.M. surveying and exploring parties returned. Proceeded to sound through the Messier Channel. At 6.30 P.M. anchored in 17 fathoms in Gray's Harbour.