## RELATIVE FREQUENCY OF THE WINDS AT THE FOLLOWING STATIONS, LYING WITHIN A PARALLEL OF SOUTH LATITUDE ABOUT 10° 35′.

By Francis Abbott, F.R.A.S., F.R.M.S. Read at a meeting of the Royal Society of Tasmania, 14th May, 1867.

STATIONS.	Ň.	Ń.E.	E.	S.E.	s.	s.w.	w.	ň.w.
Cape of Good Hope. Commis- mission appoint- ed by Govern- ment, 1865	64	5	1	323	442	353	71	586
Hobart Town, from the last 9 years' Mean, taken from the 25 years' tables, Observatory	185.65	68 <sup>:</sup> 42	53:35	186.00	79.00	106.66	88.55	338.90
Auckland, New Zealand, from records of the Principal Medi- tal Officer, 1866.	41	153	17	51	12	325	63	68

currents are S.W., the next N.E. The N.W. and S.E. winds, which are by far the most frequent at Hobart Town, are considerably the least at Auckland. The E. and N.E. winds at the Cape of Good Hope are all but nil; at Auckland they are a maximum, and at Hobart Town a minimum. The S. and S.E. winds at the Cape are greatly in excess of any other, and at Auckland they are recorded the least of any, being for many months without a single register. It is not possible to account for this conflicting statement of the course of winds in the Southern Ocean, as being occasioned wholly by local circumstances, which may, and do in a temporary manner, influence some of our surface currents, but not to the extent apparent upon these records. It is, therefore, evident that a greatly extended series of observations must be made before the course of the winds of these Southern Latitudes can be definitely established.