

TABLE IV.—Abstract of the positions obtained by H.M.S. Challenger, with the Meridians from which those positions were calculated.

Place.	Exact position of the observing stations.	Latitude of observation spot.	Longitudes of observation spot on Chart.	Longitude of observation spot by Challenger's observer.	Meridian based upon	
Lisbon.	The landing place at the packet stairs.	38 42 0 n.	9 10 45 w.	9 9 28 w.	Greenwich.	
Gibraltar.	The head of the mole in Rosia Bay.	36 6 55 n.	5 21 15 w.	..	Standard A.	
Madeira Island.	Fort Pontinha, Funchal Bay.	32 37 46 n.	16 55 17 w.	16 54 25 w.	Gibraltar.	
Tenerife Island.	Fort San Pedro, Santa Cruz.	28 28 0 n.	16 14 22 w.	16 13 41 w.	Do.	
St. Thomas Island.	Fort Christian (Charlotte Amalia).	18 20 27 n.	64 55 40 w.	64 55 27 w.	Do.	
Bermuda Island.	Dockyard clock tower.	32 19 4 n.	64 51 30 w.	64 49 24 w.	Gibraltar and Halifax.	
Halifax, N.S.	Observatory hill in the Dockyard.	44 30 38 n.	63 35 10 w.	..	Standard A.	
San Miguel Island.	Castillo di Brazo, Ponta Delgada.	37 44 0 n.	25 41 0 w.	25 39 36 w.	Gibraltar.	
St. Vincent Island.	Obelisk on the south shore of Porto Grande.	16 55 8 n.	25 0 11 w.	24 59 37 w.	Do.	
Porto Praya.	Landing place, west side of Quail Island.	14 54 2 n.	23 30 42 w.	23 30 34 w.	Do.	
St. Paul's Rocks.	Northeast side of the Boat cove.	0 55 36 n.	29 22 32 w.	29 20 48 w.	Do.	
Bahia.	Obelisk in the public gardens in front of Fort San Pedro.	12 59 20 s.	38 31 15 w.	38 30 49 w.	Gibraltar & C. Good Hope.	
Tristan da Cunha I.	Herald Point.	37 2 45 s.	12 18 30 w.	12 20 50 w.	Cape of Good Hope obsy.	
Cape of Good Hope.	The observatory.	33 50 3 s.	18 28 45 e.	..	Standard.	
Marion Island.	Observation spot.	46 49 30 s.	37 49 30 e.	37 49 22 e.	Cape of Good Hope obsy.	
Christmas Har.	On a bluff point at the north side of the head of the harbour.	48 40 2 s.	69 1 35 e.	69 1 52 e.	Do.	
Elizabeth Head.		On the summit of the head.	49 7 43 s.	70 11 15 e.	70 11 18 e.	Do.
Hog Island.		On the summit of the island.	49 27 55 s.	70 3 50 e.	70 2 58 e.	Do.
Melbourne.	At the old lighthouse at Point Gellibrand.	37 52 10 s.	144 54 52 e.	144 56 5 e.	Do.	
Sydney.		Garden island.	32 51 55 s.	151 14 47 e.	151 14 57 e.	Do.
Wellington.	The protestant cathedral.	41 16 45 s.	174 47 40 e.	174 48 39 e.	Sydney.	
Levuka.	The old mission schoolhouse.	17 40 45 s.	178 49 3 e.	178 52 18 e.	Do.	
Tongatabu.	The church at Nukalofa.	21 7 51 s.	175 8 7 w.	175 10 31 w.	Do.	
Ngaloa Harbour.	The beacon on Ngaloa Island.	19 5 30 s.	178 12 53 e.	178 12 37 e.	Do.	
Cape York.	Sextant Rock.	10 41 29 s.	142 33 18 e.	142 33 18 e.	Do.	
Dobbo.	At the end of the sand spit on which the village stands.	5 45 16 s.	134 16 0 e.	134 13 44 e.	Do.	
Ki Doulan.	On the pier.	5 34 42 s.	132 44 24 e.	132 45 17 e.	Do.	
Banda.	The flagstaff of the Resident.	4 31 53 s.	129 53 22 e.	129 54 10 e.	Do.	
Ambolna.	The flagstaff in Fort Victoria.	3 41 30 s.	128 10 0 e.	128 11 19 e.	Do.	
Ternate.	The flagstaff of the Resident.	0 47 30 n.	127 20 45 e.	127 23 37 e.	Do.	
Samboangan.	The inner end of the pier on which the lighthouse stands.	6 54 50 n.	122 4 10 e.	122 4 53 e.	Sydney and Hong Kong.	
Ilo Ilo.	The fort.	10 42 10 n.	122 34 14 e.	122 35 23 e.	Sydney.	
Manila.	The lighthouse on the end of the mole.	14 36 24 n.	120 57 18 e.	120 56 43 e.	Hong Kong.	
Hong Kong.	Wellington battery.	22 16 23 n.	114 10 2 e.	..	Standard.	
Zebu.	The monument in the gardens by the fort.	10 17 32 n.	123 54 0 e.	123 53 53 e.	Hong Kong.	
Humboldt Bay.	Observatory Islet.	2 27 0 s.	140 41 10 e.	140 42 53 e.	Samboangan.	
Admiralty Islands.	Observatory Islet, Nares Harbour.	1 55 0 s.	146 38 40 e.	146 41 41 e.	Do.	
Yokohama.	Naval Hospital square.	35 26 30 n.	139 39 24 e.	139 45 8 e.	Do.	
Honolulu.	The flagstaff of the King's cottage.	21 18 0 n.	157 51 0 w.	157 48 50 w.	Valparaiso.	
Tahiti.	The lighthouse on Point Venus.	17 29 15 n.	149 28 45 w.	149 26 18 w.	Do.	
Valparaiso.	The fort immediately over the custom house.	35 1 48 s.	71 38 5 w.	..	Standard.	
Tom Bay.	On observatory point.	50 11 26 s.	..	75 33 7 w.	Valparaiso.	
Sandy Point.	The boat house on the beach.	53 10 0 s.	70 53 37 w.	70 52 26 w.	Do.	
Port Stanley.	The flagstaff of the saluting battery.	51 41 10 s.	57 51 30 w.	57 50 44 w.	Do.	
Monte Video.	The chimney of the pumping engine of the graving dock.	34 54 15 s.	56 14 54 w.	56 15 32 w.	Do.	
Ascension Island.	Fort Thornton.	7 55 20 s.	14 25 30 w.	14 27 13 w.	Do.	