
ERRATA.

Page 464, line 19. Aji Bārang, *for* Lat. 2° 25′ S. *read* 7° 25′ S.

Page 475, line 2. Declination. At sea—Lat. 17° 15′ S., Long. 292° 45′ E. *should be expunged.*

XIII. *Contributions to Terrestrial Magnetism.*—No. XV.

By General Sir EDWARD SABINE, *R.A., K.C.B., F.R.S.*

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[PLATES 17-19.]

THE paper now offered to the Society forms the XVth and last of a series of papers printed in the Philosophical Transactions, entitled "Contributions to Terrestrial Magnetism." The whole Fifteen Numbers are related to each other as "Contributions to the Magnetic Survey of the Globe." Four of them (viz. XI., XIII., XIV., and the present paper) contain the complete statement of this Survey in the double form of "Catalogue" or "Tables" and of "Magnetic Maps;" of these maps there are twelve, one for each of the three magnetic elements in each of the four papers. The present paper consists (as did its last predecessor, No. XIV.) of four zones, each 10° in breadth:—

Zone 1,	comprehending	from	the equator	to 10° S.
Zone 2,	„	„	lat. 10° S.	„ 20° S.
Zone 3,	„	„	lat. 20° S.	„ 30° S.
Zone 4,	„	„	lat. 30° S.	„ 40° S.

In the Tables the observations are entered in each zone in the succession of their longitudes, beginning with the meridian of Greenwich. The statements in the introduction to No. XIII. regarding the different magnetic elements apply to the present paper, as they did also to the preceding paper (No. XIV.).

The question of correction for secular change next presents itself. Happily the greater part of the observations were made within, or very near to, the "mean epoch," viz. 1840–1845. Sea observations were not generally corrected for differences of epoch in the previous papers; but in the present paper such corrections have been introduced for observations within the range of places (land stations) where the rate of secular change has been sufficiently established.

Nos. XI. & XIII., published earlier, comprise the northern and southern portions of the globe, from either pole to lat. 40°. These are the regions which have long been recognized as offering to the magnetician at once the most arduous and the most important field of research. In the middle or equatorial portions of the globe, comprised in the last and present papers, the magnetic relations are simpler, and the laying down of the lines representing them derives much aid from the adjacent portions of the North and South Polar Maps. Therefore, both as regards observations and treatment, less abundant as well as less exact evidence may, it may be hoped, suffice.

SOUTH EQUATORIAL ZONE I.—EQUATOR TO 10° S.

Authorities.

Belcher (Sir Edward) ....Sabine in Phil. Trans. 1841, and MSS. in the Magnetic Office.
Bonite .....Voyage de la Bonite (Paris, 1842).
Novara (Austrian Frigate) Reise um die Erde (Wien, 1862–65).
Vénus (La) .....Voyage de la Vénus (Paris, 1841).
FitzRoy .....Voyage of the 'Beagle' (1849).
H.M.S. 'Fly' .....MSS. in the Magnetic Office, Kew Observatory.
Boteler .....
Owen .....
Laplace .....
Prussian Ships.....
Bougainville.....
Duperrey .....
D'Urville .....
Boussingault .....
Foster .....
Home .....
Jehenne .....
Rumker .....
} L. S. Kämtz, MSS. in the Magnetic Office, Kew Observatory.
Elliot .....Magnetic Survey of the Indian Archipelago, Phil. Trans. 1851.
Stanley.....Contributions to Terrestrial Magnetism (Sabine in Phil. Trans.).
Blosseville.....Schlagintweit's Scientific Mission to India and High Asia (Leipzig, 1861).
Dayman .....
Sulivan.....
Dunlop.....
} Contributions to Terrestrial Magnetism (Sabine in Phil. Trans.).
Erman .....Reise um die Erde (Berlin, 1831).
Friesach .....Memoirs of the Imperial Academy of Sciences, Vienna, vols. xxix. to xliv.
Lütke .....Mem. by Lenz in the Sci. Mem. of the Academy of St. Petersburg, 1838; and L. S. Kämtz, MS.
Lefroy .....Contributions to Terrestrial Magnetism, 1846; and U. S. Coast Survey.
Kellett .....MSS. in the Magnetic Office, received from Admiral Kellett.
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Pasley .....MSS. in the Magnetic Office.
Bérard .....MSS. in the Magnetic Office, received from Admiral Duperrey.
Allen .....MSS. in the Magnetic Office, received from the Author.
Rokeby.....MSS. in the Magnetic Office.
Rattlesnake .....H.M.S. 'Rattlesnake,' MSS. in the Hydrographic Office.
Denham .....H.M.S. 'Herald,' MSS. in the Hydrographic Office.
H.M.S. 'Hecate'.....MSS. in the Hydrographic Office.
Richards .....MSS. in the Hydrographic Office.

SOUTH EQUATORIAL ZONE I.—Equator to 10° S.

Stations.	Lat. S.	Long. E.	Date.	Declination.			Inclination.			Force in British units.			Observers.
				Observed.	Correction to Epoch 1842·5.	Corrected.	Observed.	Cor. to Epoch 1842·5.	Corrected.	Observed.	Cor. to Epoch 1842·5.	Corrected.	
	° ′	° ′		° ′		°	° ′		°				
Anno Bona	1 28	5 38	1829	21 01 w.	.....	21·0 w.	.....	.....	.....	.....	.....	.....	Boteler.
Cape Lopez	0 36	8 40	1826	19 48 w.	.....	19·8 w.	.....	.....	.....	.....	.....	.....	Owen.
Magumba	3 23	10 35	1826	21 24 w.	.....	21·4 w.	.....	.....	.....	.....	.....	.....	Owen.
Loango	4 40	11 42	1826	20 36 w.	.....	20·6 w.	.....	.....	.....	.....	.....	.....	Owen.
St. Paul de Loanda	8 46	13 09	1825	22 00 w.	.....	22·0 w.	.....	.....	.....	.....	.....	.....	Owen.
Congo River	6 05	13 12	1826	21 42 w.	.....	21·7 w.	.....	.....	.....	.....	.....	.....	Owen.
Assumption Island	9 46	46 28	1824	12 54 w.	.....	12·9 w.	.....	.....	.....	.....	.....	.....	Owen.
Providence Island	9 14	51 05	1824	8 54 w.	.....	8·9 w.	.....	.....	.....	.....	.....	.....	Owen.
Seychelles	4 36	55 31	1825	6 30 w.	.....	6·5 w. } 5·3 w.	.....	.....	.....	.....	.....	.....	Owen.
			1830	7 31 w.	.....	7·5 w.	.....	.....	.....	.....	.....	.....	Laplace.
			1842	2 01 w.	.....	2·0 w.	32 03 s.	.....	32·1 s.	8·01	.....	8·01	Belcher.
At sea (2 observations)	9 39	81 52	1837	0 25 w.	.....	0·4 w.	.....	.....	.....	.....	.....	.....	Bonite.
At sea (3 observations)	7 37	82 52	1857	0 19 w.	.....	0·3 w.	.....	.....	.....	.....	.....	.....	Novara.
At sea (5 observations)	0 39	82 52	1857	0 29 e.	.....	0·5 e.	.....	.....	.....	.....	.....	.....	Novara.
At sea (2 observations)	7 06	83 33	1837	0 48 e.	.....	0·8 e.	.....	.....	.....	.....	.....	.....	Bonite.
At sea (2 observations)	1 35	83 40	1857	0 16 e.	.....	0·3 e.	.....	.....	.....	.....	.....	.....	Novara.
At sea (2 observations)	2 32	84 05	1857	0 50 e.	.....	0·8 e.	.....	.....	.....	.....	.....	.....	Novara.
Balembangan	0 12	100 10	1847	1 37 e.	.....	1·6 e.	16 47 s.	.....	16·8 s.	.....	.....	.....	Elliot.
Peesang	0 08	100 12	1847	1 47 e.	.....	1·8 e.	16 33 s.	.....	16·5 s.	.....	.....	.....	Elliot.
Bonjol	0 01	100 14	1847	1 36 e.	.....	1·6 e.	16 39 s.	.....	16·7 s.	.....	.....	.....	Elliot.
Menindjo	0 13	100 14	1847	1 32 e.	.....	1·5 e.	17 01 s.	.....	17·0 s.	.....	.....	.....	Elliot.
Fort de Kock	0 13	100 27	1847	1 09 e.	.....	1·1 e.	17 00 s.	.....	17·0 s.	.....	.....	.....	Elliot.
Padang	0 59	100 31	1847	1 24 e.	.....	1·4 e.	18 32 s.	.....	18·5 s.	8·40	.....	8·40	Elliot.
Padang Panjang	0 22	100 43	1847	1 34 e.	.....	1·6 e.	17 48 s.	.....	17·8 s.	.....	.....	.....	Elliot.
Solok	0 47	100 56	1847	1 39 e.	.....	1·7 e.	17 51 s.	.....	17·9 s.	.....	.....	.....	Elliot.
Fort Vande Capellen	0 28	101 03	1847	1 28 e.	.....	1·5 e.	17 12 s.	.....	17·2 s.	.....	.....	.....	Elliot.
Payacombo	0 13	101 05	1847	1 30 e.	.....	1·5 e.	16 38 s.	.....	16·6 s.	.....	.....	.....	Elliot.
Bua Pānjāng	0 28	101 08	1847	1 22 e.	.....	1·4 e.	17 11 s.	.....	17·2 s.	.....	.....	.....	Elliot.
Sijonjong	0 42	101 20	1847	1 22 e.	.....	1·4 e.	17 50 s.	.....	17·8 s.	.....	.....	.....	Elliot.
At sea (2 observations)	8 49	101 33	1851	0 24 w.	.....	0·4 w.	.....	.....	.....	.....	.....	.....	Kellett.
At sea (2 observations)	7 58	102 19	1826	0 22 w.	.....	0·4 w.	.....	.....	.....	.....	.....	.....	Prussian ships.
Bencoolen	3 54	102 29	1847	1 05 e.	.....	1·1 e.	23 54 s.	.....	23·9 s.	8·66	.....	8·66	Elliot.
At sea (2 observations)	7 30	102 44	1851	0 17 w.	.....	0·3 w.	.....	.....	.....	.....	.....	.....	Kellett.
Lingin	0 12	104 37	1846	1 19 e.	.....	1·3 e.	.....	.....	.....	.....	.....	.....	Elliot.
At sea (2 observations)	9 21	105 17	1829	1 13 w.	.....	1·2 w.	.....	.....	.....	.....	.....	.....	Lütke.
Lampongo	5 26	105 20	1847	1 13 e.	.....	1·2 e.	26 16 s.	.....	26·3 s.	8·83	.....	8·83	Elliot.
Cheringin	6 22	105 47	1846	0 51 e.	.....	0·9 e.	27 34 s.	.....	27·6 s.	8·90	.....	8·90	Elliot.
Chebiliang	6 47	105 49	1846	0 21 e.	.....	0·3 e.	28 41 s.	.....	28·7 s.	8·83	.....	8·83	Elliot.
Palambangan	6 31	105 55	1846	0 59 e.	.....	1·0 e.	28 09 s.	.....	28·1 s.	8·91	.....	8·91	Elliot.
Anjeer	6 03	106 00	1842	1 07 e.	.....	1·1 e. } 1·0 e.	26 38 s.	.....	26·6 s. } 26·6 s.	.....	.....	.....	Belcher.
			1846	0 58 e.	.....	1·0 e.	26 32 s.	.....	26·5 s.	8·82	.....	8·82	Elliot.
At sea (5 observations)	2 08	106 00	1824	0 36 w.	.....	0·6 w.	.....	.....	.....	.....	.....	.....	Prussian ships.
At sea (2 observations)	0 18	106 01	1841	.....	.....	.....	13 50 s.	.....	13·8 s.	.....	.....	.....	Stanley.
Gonong Dādap	6 28	106 06	1846	0 53 e.	.....	0·9 e.	27 32 s.	.....	27·5 s.	8·96	.....	8·96	Elliot.
Chelangkahan	6 54	106 07	1846	0 14 e.	.....	0·2 e.	28 24 s.	.....	28·4 s.	8·84	.....	8·84	Elliot.
Woorong Goonong	6 11	106 10	1846	0 40 e.	.....	0·7 e.	27 33 s.	.....	27·5 s.	8·92	.....	8·92	Elliot.
At sea (5 observations)	4 34	106 13	1845	1 45 e.	.....	1·7 e.	.....	.....	.....	.....	.....	.....	H.M.S. 'Fly.'
Ceram	6 07	106 15	1846	0 34 e.	.....	0·6 e.	27 14 s.	.....	27·2 s.	8·83	.....	8·83	Elliot.
Pangangbahan	7 31	106 19	1846	0 10 e.	.....	0·2 e.	29 44 s.	.....	29·7 s.	9·11	.....	9·11	Elliot.
At sea (2 observations)	1 25	106 25	1858	1 00 e.	.....	1·0 e.	.....	.....	.....	.....	.....	.....	Novara.
Chebrānok	6 57	106 26	1846	0 35 e.	.....	0·6 e.	28 31 s.	.....	28·5 s.	9·01	.....	9·01	Elliot.
Chilotoe	7 11	106 27	1846	0 28 e.	.....	0·5 e.	28 54 s.	.....	28·9 s.	9·02	.....	9·02	Elliot.
At sea (2 observations)	4 41	106 34	1842	.....	.....	.....	22 47 s.	.....	22·8 s.	.....	.....	.....	Belcher.
Wyn Cooper's Bay	7 05	106 37	1846	0 32 e.	.....	0·5 e.	29 22 s.	.....	29·4 s.	9·03	.....	9·03	Elliot.
Mooaro Chikasso	7 28	106 38	1846	0 13 e.	.....	0·2 e.	30 08 s.	.....	30·1 s.	9·04	.....	9·04	Elliot.
Knyper Island	6 02	106 41	1828	0 31 e.	.....	0·5 e.	25 33 s.	.....	25·5 s.	.....	.....	.....	Blosseville.
Karang Teugga	6 58	106 48	1846	1 13 e.	.....	1·2 e.	28 24 s.	.....	28·4 s.	9·02	.....	9·02	Elliot.
At sea (3 observations)	4 57	106 54	1858	0 26 e.	.....	0·4 e.	.....	.....	.....	.....	.....	.....	Novara.
At sea (2 observations)	1 32	106 57	1842	.....	.....	.....	16 40 s.	.....	16·7 s.	.....	.....	.....	Belcher.
Batavia	6 10	106 58	1828	0 31 e.	.....	0·5 e.	25 56 s.	.....	25·9 s.	.....	.....	.....	Blosseville.
			1846	0 47 e.	.....	0·8 e. } 0·8 e.	27 05 s.	.....	27·1 s. } 26·9 s.	8·87	.....	8·87	Elliot.
			1858	1 05 e.	.....	1·1 e.	27 35 s.	.....	27·6 s.	.....	.....	.....	Novara.

SOUTH EQUATORIAL ZONE I.—Equator to 10° S. (continued).

Stations.	Lat. S.	Long. E.	Date.	Declination.			Inclination.			Force in British units.			Observers.
				Observed.	Correction to Epoch 1842·5.	Corrected.	Observed.	Cor. to Epoch 1842·5.	Corrected.	Observed.	Cor. to Epoch 1842·5.	Corrected.	
	° ′	° ′		° ′		°	° ′		°				
At sea (2 observations)	2 21	106 59	1858	1 42 E.	.....	1·7 E.	.....	.....	.....	.....	.....	.....	Novara.
Tegu	6 43	106 59	1846	0 12 E.	.....	0·2 E.	28 45 s.	.....	28·7 s.	.....	.....	.....	Elliot.
Pangerango	6 51	106 59	1846	.....	.....	.....	29 46 s.	.....	29·8 s.	.....	.....	.....	Elliot.
Bejong Petair	7 14	107 02	1846	0 16 E.	.....	0·3 E.	29 37 s.	.....	29·6 s.	9·11	.....	9·11	Elliot.
Sidang Bārang	7 30	107 10	1846	0 05 E.	.....	0·1 E.	30 15 s.	.....	30·3 s.	9·01	.....	9·01	Elliot.
Chunjūr	6 50	107 10	1846	1 35 E.	.....	1·6 E.	28 26 s.	.....	28·4 s.	8·97	.....	8·97	Elliot.
Bandong	6 56	107 41	1846	0 26 E.	.....	0·4 E.	28 34 s.	.....	28·6 s.	9·04	.....	9·04	Elliot.
Permangpek	7 39	107 45	1846	0 20 E.	.....	0·3 E.	30 15 s.	.....	30·3 s.	9·06	.....	9·06	Elliot.
Garoet	7 14	107 55	1846	0 25 E.	.....	0·4 E.	29 02 s.	.....	29·0 s.	9·06	.....	9·06	Elliot.
Samadang	6 51	108 05	1847	0 30 E.	.....	0·5 E.	28 00 s.	.....	28·0 s.	9·00	.....	9·00	Elliot.
Kandang Aur	6 24	108 05	1847	0 18 E.	.....	0·3 E.	.....	.....	.....	.....	.....	.....	Elliot.
Cherūgnūktok	7 38	108 10	1847	0 18 E.	.....	0·3 E.	30 11 s.	.....	30·2 s.	9·13	.....	9·13	Elliot.
Chāwee	7 10	108 23	1847	0 33 E.	.....	0·5 E.	28 42 s.	.....	28·7 s.	9·07	.....	9·07	Elliot.
Indramāyu	6 20	108 26	1847	0 41 E.	.....	0·7 E.	27 31 s.	.....	27·5 s.	8·96	.....	8·96	Elliot.
Cheribon	6 44	108 42	1847	0 32 E.	.....	0·5 E.	27 52 s.	.....	27·9 s.	.....	.....	.....	Elliot.
Banjeer	7 23	108 42	1847	0 28 E.	.....	0·5 E.	29 10 s.	.....	29·2 s.	.....	.....	.....	Elliot.
Kalipoochen	7 39	108 53	1847	0 58 E.	.....	1·0 E.	29 54 s.	.....	29·9 s.	9·12	.....	9·12	Elliot.
Chilāchap	7 44	108 57	1847	0 37 E.	.....	0·6 E.	29 46 s.	.....	29·8 s.	9·12	.....	9·12	Elliot.
Aji Bārang	2 25	109 04	1847	0 55 E.	.....	0·9 E.	27 22 s.	.....	27·4 s.	.....	.....	.....	Elliot.
Tegal	6 52	109 16	1847	0 38 E.	.....	0·6 E.	28 05 s.	.....	28·1 s.	9·01	.. ...	9·01	Elliot.
Kārang Bolong	7 46	109 27	1847	0 32 E.	.....	0·5 E.	29 56 s.	.....	29·9 s.	9·16	.....	9·16	Elliot.
Pantiānak	0 01	109 30	1846	1 31 E.	.....	1·5 E.	12 45 s.	.....	12·7 s.	8·33	.....	8·33	Elliot.
At sea (2 observations)	3 24	109 45	1841	.....	.....	.....	19 40 s.	.....	19·7 s.	.....	.....	.....	Stanley.
Succadāna	1 16	109 57	1846	1 23 E.	.....	1·4 E.	17 02 s.	.....	17·0 s.	8·46	.....	8·46	Elliot.
Munoori	7 35	110 04	1847	0 18 E.	.....	0·3 E.	29 21 s.	.....	29·3 s.	9·13	.....	9·13	Elliot.
Pulo Kumpal	2 44	110 07	1840	0 39 E.	.....	0·7 E.	19 49 s.	.....	19·8 s.	8·74	.....	8·74	Belcher.
Ambarawa	7 16	110 29	1847	0 33 E.	.....	0·5 E.	29 28 s.	.....	29·5 s.	9·15	.....	9·15	Elliot.
Samarang	7 00	110 31	1847	0 24 E.	.....	0·4 E.	27 05 s.	.....	27·1 s.	8·92	.....	8·92	Elliot.
Balembang	7 24	110 37	1847	.....	.....	.....	29 02 s.	.....	29·0 s.	.....	.....	.....	Elliot.
Japara	6 36	110 38	1847	0 25 E.	.....	0·4 E.	27 30 s.	.....	27·5 s.	8·98	.....	8·98	Elliot.
Solo	7 35	110 54	1847	0 36 E.	.....	0·6 E.	29 13 s.	.....	29·2 s.	9·12	.....	9·12	Elliot.
Patchitan	8 13	111 06	1847	0 20 E.	.....	0·3 E.	30 36 s.	.....	30·6 s.	9·16	.....	9·16	Elliot.
Nyjāwee	7 24	111 29	1847	0 29 E.	.....	0·5 E.	29 00 s.	.....	29·0 s.	9·19	.....	9·19	Elliot.
Kedeeri	7 48	112 00	1847	0 28 E.	.....	0·5 E.	29 52 s.	.....	29·9 s.	9·12	.....	9·12	Elliot.
Bankāwa, Solo River	7 00	112 21	1847	0 29 E.	.....	0·5 E.	27 47 s.	.....	27·8 s.	9·07	.....	9·07	Elliot.
Soorabāya	7 16	112 45	1844	0 58 E.	.....	1·0 E.	28 48 s.	.....	28·8 s.	8·81	.....	9·02	H.M.S. 'Fly.'
			1847	0 52 E.	.....	0·9 E.	28 53 s.	.....	28·9 s.	9·22	.....		Elliot.
			1860	1 20 E.	.....	1·3 E.	.....	.....	.....	.....	.....	.....	Denham.
						1·1 E.			28·8 s.				
At sea (4 observations)	7 18	112 59	1860	1 15 E.	.....	1·2 E.	.....	.....	.....	.....	.....	.....	Denham.
Bezooke	7 43	113 43	1847	0 30 E.	.....	0·5 E.	27 08 s.	.....	27·1 s.	9·00	.....	9·00	Elliot.
Sūmenap	7 00	113 51	1847	0 44 E.	.....	0·7 E.	27 46 s.	.....	27·8 s.	9·10	.....	9·10	Elliot.
At sea (10 observations)	7 20	114 19	1845	0 46 E.	.....	0·8 E.	.....	.....	.....	.....	.....	.....	H.M.S. 'Fly.'
Solombo Island	5 35	114 23	1840	1 24 E.	.....	1·4 E.	24 16 s.	.....	24·3 s.	8·99	.....	8·99	Belcher.
At sea (4 observations)	8 22	114 41	1860	0 44 E.	.....	0·7 E.	.....	.....	.....	.....	.....	.....	Denham.
Kangelang Island	6 48	115 00	1825	0 00	.....	0·0	.....	.....	.....	.....	.....	.....	Bougainville.
Pulo Kuneeang	6 52	115 17	1847	0 32 E.	.....	0·5 E.	27 26 s.	.....	27·4 s.	9·09	.....	9·09	Elliot.
At sea (2 observations)	9 14	115 39	1860	1 24 E.	.....	1·4 E.	.....	.....	.....	.....	.....	.....	Denham.
At sea (3 observations)	9 28	117 29	1860	1 00 E.	.....	1·0 E.	.....	.....	.....	.....	.....	.....	Denham.
Macassar	5 08	119 23	1840	0 29 E.	.....	0·5 E.	23 42 s.	.....	23·7 s.	8·98	.....	8·98	Belcher.
At sea	6 11	121 59	1824	1 00 E.	.....	1·0 E.	24 02 s.	.....	24·0 s.	.....	.....	.....	Duperrey.
At sea	8 25	124 19	1827	0 16 E.	.....	0·3 E.	.....	.....	.....	.....	.....	.....	D'Urville.
On shore (2 observns.)	8 22	124 52	1840	.....	.....	.....	30 06 s.	.....	30·1 s.	.....	.....	.....	Stanley.
At sea (6 observations)	9 55	125 45	1848	.....	.....	.....	31 00 s.	.....	31·0 s.	.....	.. ...	.....	Rattlesnake.
At sea (6 observations)	9 31	126 55	1848	.....	.....	.....	30 35 s.	.....	30·6 s.	.....	.....	.....	Rattlesnake.
Bouro Island	3 23	127 06	1848	1 06 E.	.....	1·1 E.	20 23 s.	.....	20·4 s.	8·84	.....	8·84	Belcher.
Cayeli	3 22	127 21	1823	0 32 E.	.....	0·5 E.	20 08 s.	.....	20·1 s.	.....	.....	.....	Duperrey.
At sea (6 observations)	9 12	127 38	1848	.....	.....	.....	30 10 s.	.....	30·2 s.	9·40	.....	9·40	Rattlesnake.
Amboyna	3 42	128 10	1823	0 28 E.	.....	0·5 E.	20 32 s.	.....	20·5 s.	.....	.....	.....	Duperrey.
			1840	1 14 E.	.....	1·2 E.	21 10 s.	.....	21·2 s.	8 94	.....	8·94	Belcher.
						0·9 E.			20·9 s.				
At sea (6 observations)	9 48	128 33	1843	1 19 E.	.....	1·3 E.	.....	.....	.....	.....	.....	.....	H.M.S. 'Fly.'
At sea (6 observations)	9 20	128 52	1848	.....	.....	.....	30 27 s.	.....	30·5 s.	9·26	.....	9·26	Rattlesnake.
On shore (2 observns.)	4 07	129 07	1841	.....	.....	.....	22 34 s.	.....	22·6 s.	.....	.....	.....	Stanley.

SOUTH EQUATORIAL ZONE I.—Equator to 10° S. (continued).

Stations.	Lat. S.	Long. E.	Date.	Declination.			Inclination.			Force in British units.			Observers.
				Observed.	Correction to Epoch 1842·5.	Corrected.	Observed.	Cor. to Epoch 1842·5.	Corrected.	Observed.	Cor. to Epoch 1842·5.	Corrected.	
	° ′	° ′		° ′		°	° ′		°				
At sea (2 observations)	1 56	129 21	1827	2 30 E.	.....	2·5 E.	.....	.....	.....	.....	.....	.....	D'Urville.
Offak	0 02	130 42	1823	1 02 E.	.....	1·0 E.	13 31 S.	.....	13·5 S.	8·36	.....	8·36	Duperrey.
Amsterdam Island ...	0 20	132 08	1840	1 24 E.	.....	1·4 E.	15 09 S.	.....	15·1 S.	8·50	.....	8·50	Belcher.
On shore (2 observns.)	5 39	133 35	1840	.....	.....	..... °	25 27 S.	.....	25·5 S.	.....	.....	.....	Stanley.
Doreri Island	0 52	133 59	1824	1 36 E.	.....	1·6 E. } 1·8 E.	.....	.....	.....	.....	.....	.....	Duperrey.
			1827	2 06 E.	.....	2·1 E. }	.....	.....	.....	.....	.....	.....	D'Urville.
At sea (6 observations)	1 16	136 12	1827	2 50 E.	.....	2·8 E.	.....	.....	.....	.....	.....	.....	D'Urville.
Shell Rock	1 57	136 21	1840	3 00 E.	.....	3·0 E.	18 16 S.	.....	18·3 S.	8·70	.....	8·70	Belcher.
Jobie Island	1 50	136 41	1840	4 09 E.	.....	4·1 E.	17 28 S.	.....	17·5 S.	8·65	.....	8·65	Belcher.
At sea	0 20	138 19	1823	2 00 E.	.....	2·0 E.	12 41 S.	.....	12·7 S.	.....	.....	.....	Duperrey.
At sea	1 37	140 12	1823	2 10 E.	.....	2·2 E.	16 08 S.	.....	16·1 S.	.....	.....	.....	Duperrey.
At sea (7 observations)	3 08	142 47	1827	3 16 E.	.....	3·3 E.	.....	.....	.....	.....	.....	.....	D'Urville.
Britannia Island	3 19	143 29	1840	4 55 E.	.....	4·9 E.	22 02 S.	.....	22·0 S.	8·65	.....	8·65	Belcher.
At sea (11 observations)	9 04	143 40	1845	3 55 E.	.....	3·9 E.	.....	.....	.....	.....	.....	.....	H.M.S. 'Fly.'
Darnley Island	9 35	143 45	1845	.....	.....	.....	32 06 S.	.....	32·1 S.	9·16	.....	9·16	H.M.S. 'Fly.'
At sea (11 observations)	9 33	143 51	1845	3 44 E.	.....	3·7 E.	.....	.....	.....	.....	.....	.....	H.M.S. 'Fly.'
At sea	3 05	144 04	1823	5 12 E.	.....	5·2 E.	17 57 S.	.....	17·9 S.	.....	.....	.....	Duperrey.
Bramble Cay	9 08	144 15	1849	4 23 E.	.....	4·4 E.	.....	.....	.....	.....	.....	.....	Dayman.
At sea (10 observations)	8 10	144 50	1845	5 06 E.	.....	5·1 E.	.....	.....	.....	.....	.....	.....	H.M.S. 'Fly.'
Redscar Bay	9 18	146 52	1849	5 20 E.	.....	5·3 E.	.....	.....	.....	.....	.....	.....	Dayman.
At sea (6 observations)	6 06	148 35	1827	5 40 E.	.....	5·7 E.	.....	.....	.....	.....	.....	.....	D'Urville.
At sea	3 28	150 55	1823	5 00 E.	.....	5·0 E.	17 28 S.	.....	17·5 S.	.....	.....	.....	Duperrey.
At sea	4 42	152 40	1827	6 40 E.	.....	6·7 E.	.....	.....	.....	.....	.....	.....	D'Urville.
New Ireland	4 41	152 44	1840	7 13 E.	.....	7·2 E.	20 49 S.	.....	20·8 S.	8·80	.....	8·80	Belcher.
Port Praslin	4 50	152 48	1823	6 48 E.	.....	6·8 E.	20 40 S.	.....	20·7 S.	.....	.....	.....	Duperrey.
Banka Island	5 05	154 29	1823	7 20 E.	.....	7·3 E.	.....	.....	.....	.....	.....	.....	Duperrey.
At sea	5 17	156 00	1823	6 36 E.	.....	6·6 E.	20 08 S.	.....	20·1 S.	.....	.....	.....	Duperrey.
At sea (5 observations)	2 38	160 39	1858	8 24 E.	.....	8·4 E.	.....	.....	.....	.....	.....	.....	Novara.
At sea (2 observations)	5 59	160 44	1858	7 33 E.	.....	7·5 E.	.....	.....	.....	.....	.....	.....	Novara.
At sea (2 observations)	8 12	161 09	1858	7 48 E.	.....	7·8 E.	.....	.....	.....	.....	.....	.....	Novara.
At sea (8 observations)	8 26	161 48	1858	9 24 E.	.....	9·4 E.	.....	.....	.....	.....	.....	.....	Novara.
At sea	0 40	174 19	1824	7 45 E.	.....	7·7 E.	8 04 S.	.....	8·1 S.	.....	.....	.....	Duperrey.
At sea (2 observations)	1 44	175 07	1824	7 45 E.	.....	7·7 E.	3 25 S.	.....	3·4 S.	.....	.....	.....	Duperrey.
At sea	2 57	175 15	1824	7 45 E.	.....	7·7 E.	6 28 S.	.....	6·5 S.	.....	.....	.....	Duperrey.
At sea	6 23	176 02	1824	8 05 E.	.....	8·1 E.	12 25 S.	.....	12·4 S.	.....	.....	.....	Duperrey.
At sea	7 31	176 45	1824	8 30 E.	.....	8·5 E.	15 11 S.	.....	15·2 S.	.....	.....	.....	Duperrey.
At sea	8 45	177 24	1824	10 32 E.	.....	10·5 E.	16 34 S.	.....	16·6 S.	.....	.....	.....	Duperrey.
At sea (7 observations)	7 55	200 19	1863	6 17 E.	.....	6·3 E.	.....	.....	.....	.....	.....	.....	Richards.
At sea (4 observations)	3 10	201 12	1863	5 06 E.	.....	5·1 E.	.....	.....	.....	.....	.....	.....	Richards.
At sea (3 observations)	0 46	201 50	1863	6 12 E.	.....	6·2 E.	.....	.....	.....	.....	.....	.....	Richards.
At sea (10 observations)	8 10	215 17	1848	5 06 E.	.....	5·1 E.	.....	.....	.....	.....	.....	.....	H.M.S. 'Fly.'
At sea	9 36	215 35	1830	4 59 E.	.....	5·0 E.	.....	.....	.....	.....	.....	.....	Erman.
At sea	9 22	215 43	1830	.....	.....	.....	15 19 S.	.....	15·3 S.	8·12	.....	8·12	Erman.
At sea	8 37	216 06	1830	4 32 E.	.....	4·5 E.	.....	.....	.....	.....	.....	.....	Erman.
At sea (11 observations)	9 32	216 09	1845	3 40 E.	.....	3·7 E.	.....	.....	.....	.....	.....	.....	H.M.S. 'Fly.'
At sea (11 observations)	9 04	216 22	1845	3 55 E.	.....	3·9 E.	.....	.....	.....	.....	.....	.....	H.M.S. 'Fly.'
At sea (2 observations)	7 56	216 32	1830	.....	.....	.....	12 11 S.	.....	12·2 S.	7·63	.....	7·63	Erman.
At sea (3 observations)	7 03	217 00	1830	4 41 E.	.....	4·7 E.	10 07 S.	.....	10·1 S.	7·73	.....	7·73	Erman.
At sea (2 observations)	5 43	217 45	1830	.....	.....	.....	7 50 S.	.....	7·7 S.	7·66	.....	7·66	Erman.
At sea	5 14	218 25	1830	4 24 E.	.....	4·4 E.	.....	.....	.....	.....	.....	.....	Erman.
At sea (3 observations)	4 01	218 45	1830	4 08 E.	.....	4·1 E.	4 03 S.	.....	4·1 S.	7·55	.....	7·55	Erman.
At sea (2 observations)	2 46	219 38	1830	.....	.....	.....	1 08 S.	.....	1·1 S.	7·42	.....	7·42	Erman.
At sea	2 53	219 45	1830	4 17 E.	.....	4·3 E.	.....	.....	.....	.....	.....	.....	Erman.
At sea	1 52	220 17	1830	4 26 E.	.....	4·4 E.	.....	.....	.....	.....	.....	.....	Erman.
Martin's Island	8 56	220 20	1840	6 16 E.	.....	6·3 E.	14 06 S.	.....	14·1 S.	7·93	.....	7·93	Belcher.
At sea (4 observations)	2 00	220 45	1830	.....	.....	.....	0 01 S.	.....	0·0	7·50	.....	7·50	Erman.
Ile Christine	9 56	220 50	1838	.....	.....	.....	18 15 S.	.....	18·3 S.	.....	.....	.....	Vénus (La).
At sea	1 59	220 50	1830	.....	.....	.....	.....	.....	.....	7·47	.....	7·47	Erman.
At sea	2 14	221 06	1830	4 12 E.	.....	4·2 E.	.....	.....	.....	.....	.....	.....	Erman.
Hirvava	9 44	221 20	1859	4 55 E.	.....	4·9 E.	18 45 S.	.....	18·7 S.	8·20	.....	8·20	Friesach.
At sea (4 observations)	1 38	221 58	1830	.....	.....	.....	0 35 N.	.....	0·6 N.	7·44	.....	7·44	Erman.
At sea	1 38	222 06	1830	4 12 E.	.....	4·2 E.	.....	.....	.....	.....	.....	.....	Erman.

SOUTH EQUATORIAL ZONE I.—Equator to 10° S. (continued).

Stations.	Lat. S.	Long. E.	Date.	Declination.			Inclination.			Force in British units.			Observers.
				Observed.	Correction to Epoch 1842·5.	Corrected.	Observed.	Cor. to Epoch 1842·5.	Corrected.	Observed.	Cor. to Epoch 1842·5.	Corrected.	
	° ′	° ′		° ′		°	° ′		°				
At sea	1 28	222 48	1830	4 16 E.	.....	4·3 E.	.....	.....	.....	.....	.....	.....	Erman.
At sea (2 observations)	1 29	223 09	1830	.....	.....	.....	0 50 N.	.....	0·8 N.	7·51	.....	7·51	Erman.
At sea	1 40	224 04	1830	4 34 E.	.....	4·6 E.	.....	.....	.....	.....	.....	.....	Erman.
At sea (4 observations)	1 51	224 24	1830	.....	.....	.....	0 15 N.	.....	0·3 N.	7·34	.....	7·34	Erman.
At sea (3 observations)	1 52	225 31	1830	3 43 E.	.....	3·7 E.	0 11 S.	.....	0·2 S.	7·29	.....	7·29	Erman.
At sea (3 observations)	1 53	226 26	1830	3 38 E.	.....	3·6 E.	0 06 N.	.....	0·1 N.	7·48	.....	7·48	Erman.
At sea (2 observations)	1 53	226 59	1830	.....	.....	.....	0 11 S.	.....	0·2 S.	.....	.....	.....	Erman.
At sea (2 observations)	1 49	227 03	1830	.....	.....	.....	0 09 N.	.....	0·1 N.	7·62	.....	7·62	Erman.
At sea (2 observations)	1 19	227 35	1830	.....	.....	.....	1 19 N.	.....	1·3 N.	7·69	.....	7·69	Erman.
At sea	1 29	227 37	1830	3 19 E.	.....	3·3 E.	.....	.....	.....	.....	.....	.....	Erman.
At sea	0 53	228 02	1830	4 29 E.	.....	4·5 E.	.....	.....	.....	.....	.....	.....	Erman.
At sea (3 observations)	0 41	228 16	1830	.....	.....	.....	2 22 N.	.....	2·4 N.	7·32	.....	7·32	Erman.
At sea	0 10	231 26	1830	4 44 E.	.....	4·7 E.	.....	.....	.....	.....	.....	.....	Erman.
At sea (3 observations)	0 05	231 26	1830	.....	.....	.....	3 11 N.	.....	3·2 N.	7·39	.....	7·39	Erman.
At sea	0 12	231 57	1830	.....	.....	.....	3 09 N.	.....	3·1 N.	7·44	.....	7·44	Erman.
At sea	0 56	233 17	1827	4 53 E.	.....	4·9 E.	2 11 N.	.....	2·2 N.	.....	.....	.....	Lütke.
At sea	1 10	234 31	1827	5 09 E.	.....	5·1 E.	1 34 N.	.....	1·6 N.	.....	.....	.....	Lütke.
At sea	1 15	235 30	1827	4 19 E.	.....	4·3 E.	2 14 N.	.....	2·2 N.	.....	.....	.....	Lütke.
At sea	2 02	236 04	1827	3 59 E.	.....	4·0 E.	0 36 N.	.....	0·6 N.	.....	.....	.....	Lütke.
At sea	2 29	236 26	1827	4 00 E.	.....	4·0 E.	0 28 S.	.....	0·5 S.	.....	.....	.....	Lütke.
At sea (5 observations)	1 12	238 01	1834	4 07 E.	.....	4·1 E.	.....	.....	.....	.....	.....	.....	Prussian ships.
At sea	4 20	238 13	1827	4 24 E.	.....	4·4 E.	3 54 S.	.....	3·9 S.	.....	.....	.....	Lütke.
At sea (3 observations)	0 04	238 30	1857	4 10 E.	.....	4·2 E.	.....	.....	.....	.....	.....	.....	Richards.
At sea	6 01	240 08	1827	4 19 E.	.....	4·3 E.	6 54 S.	.....	6·9 S.	.....	.....	.....	Lütke.
At sea (4 observations)	1 37	240 39	1857	5 29 E.	.....	5·5 E.	.....	.....	.....	.....	.....	.....	Richards.
At sea (6 observations)	3 17	242 42	1857	6 00 E.	.....	6·0 E.	.....	.....	.....	.....	.....	.....	Richards.
At sea (8 observations)	3 00	242 43	1830	4 35 E.	.....	4·6 E.	.....	.....	.....	.....	.....	.....	Prussian ships.
At sea	9 38	243 25	1827	5 45 E.	.....	5·7 E.	15 04 S.	.....	15·1 S.	.....	.....	.....	Lütke.
At sea (3 observations)	4 19	244 38	1857	6 08 E.	.....	6·1 E.	.....	.....	.....	.....	.....	.....	Richards.
At sea (3 observations)	8 16	246 04	1835	6 06 E.	.....	6·1 E.	.....	.....	.....	.....	.....	.....	FitzRoy.
At sea (3 observations)	6 27	246 35	1835	6 15 E.	.....	6·3 E.	.....	.....	.....	.....	.....	.....	Prussian ships.
At sea (3 observations)	5 20	246 48	1857	6 02 E.	.....	6·0 E.	.....	.....	.....	.....	.....	.....	Richards.
At sea (12 observations)	7 11	250 04	1857	6 39 E.	.....	6·6 E.	.....	.....	.....	.....	.....	.....	Richards.
At sea (3 observations)	6 16	253 08	1835	7 13 E.	.....	7·2 E.	.....	.....	.....	.....	.....	.....	FitzRoy.
At sea (5 observations)	9 04	253 14	1857	7 02 E.	.....	7·0 E.	.....	.....	.....	.....	.....	.....	Richards.
At sea (7 observations)	6 50	254 41	1827	7 29 E.	.....	7·5 E.	.....	.....	.....	.....	.....	.....	Prussian ships.
At sea (2 observations)	4 06	256 35	1835	7 15 E.	.....	7·3 E.	.....	.....	.....	.....	.....	.....	FitzRoy.
At sea (2 observations)	9 50	260 56	1828	8 49 E.	.....	8·8 E.	.....	.....	.....	.....	.....	.....	Prussian ships.
At sea (2 observations)	0 31	261 17	1835	8 40 E.	.....	8·7 E.	.....	.....	.....	.....	.....	.....	FitzRoy.
Galapagos Island. Post-office Bay, Charles Island	1 15	269 28	1838	.....	.....	.....	8 14 N.	.....	8·2 N.	.....	.....	.....	Vénus (La).
			1846	8 50 E.	.....	8·8 E.	.....	.....	.....	.....	.....	.....	Kellett.
	0 15	269 29	1835	9 30 E.	.....	9·5 E.	9 29 N.	.....	9·5 N.	.....	.....	.....	FitzRoy.
Chatham Isl.	0 50	270 23	1835	9 35 E.	.....	9·6 E.	8 41 N.	.....	8·7 N.	.....	.....	.....	FitzRoy.
At sea	1 00	272 18	1836	8 20 E.	.....	8·3 E.	.....	.....	.....	.....	.....	.....	Bonite.
At sea	7 32	274 54	1823	10 47 E.	.....	10·8 E.	3 51 S.	.....	3·9 S.	.....	.....	.....	Duperrey.
At sea	9 55	274 54	1833	10 18 E.	.....	10·3 E.	.....	.....	.....	.....	.....	.....	Prussian ships.
At sea (2 observations)	3 50	274 58	1835	9 25 E.	.....	9·4 E.	.....	.....	.....	.....	.....	.....	FitzRoy.
At sea	6 23	275 17	1823	10 48 E.	.....	10·8 E.	0 51 S.	.....	0·9 S.	.....	.....	.....	Duperrey.
At sea	1 25	275 40	1836	7 37 E.	.....	7·6 E.	.....	.....	.....	.....	.....	.....	Bonite.
At sea (2 observations)	7 17	278 34	1823	8 23 E.	.....	8·4 E.	0 56 N.	.....	0·9 N.	.....	.....	.....	Duperrey.
Payta	5 06	278 54	1823	8 56 E.	.....	8·9 E.	3 56 N.	.....	3·9 N.	.....	.....		Duperrey.
			1832	.....	.....	.....	4 40 N.	.....	4·7 N.	.....	.....		Boussingault.
			1835	9 00 E.	.....	9·0 E.	.....	.....	.....	.....	.....		FitzRoy.
			1836	9 00 E.	.....	9·0 E.	4 25 N.	.....	4·4 N.	.....	.....	7·39	Bonite.
			1838	.....	.....	.....	4 32 N.	.....	4·5 N.	.....	.....		La Vénus.
			1866	8 53 E.	.....	8·9 E.	4 58 N.	.....	5·0 N.	7·39	.....		Harkness.
						9·0 E.			4·5 N.				
At sea	8 23	279 10	1823	7 42 E.	.....	7·7 E.	1 41 S.	.....	1·7 S.	.....	.....	.....	Duperrey.
At sea (2 observations)	3 51	279 20	1827	9 51 E.	.....	9·9 E.	.....	.....	.....	.....	.....	.....	Prussian ships.
Tumbez River	3 31	279 30	1835	8 50 E.	.....	8·8 E.	.....	.....	.....	.....	.....	.....	FitzRoy.
At sea	8 54	279 32	1823	7 42 E.	.....	7·7 E.	2 19 S.	.....	2·3 S.	.....	.....	.....	Duperrey.
At sea	3 18	279 32	1836	8 55 E.	.....	8·9 E.	.....	.....	.....	.....	.....	.....	Bonite.

SOUTH EQUATORIAL ZONE I.—Equator to 10° S. (continued).

Stations.	Lat. S.	Long. E.	Date.	Declination.			Inclination.			Force in British units.			Observers.
				Observed.	Correction to Epoch 1842·5.	Corrected.	Observed.	Cor. to Epoch 1842·5.	Corrected.	Observed.	Cor. to Epoch 1842·5.	Corrected.	
	° ′	° ′		° ′	° ′	°	° ′	° ′	°				
Puna	2 47	280 05	1835	9 00 E.	.....	9·0 E.	.....	.....	.....	.....	.....	.....	FitzRoy.
			1836	8 27 E.	.....	8·5 E.	9 46 N.	.....	9·8 N.	.....	.....	.....	Bonite.
			1838	8 56 E.	.....	8·9 E.	9 01 N.	.....	9·0 N.	.....	.....	.....	Belcher.
						8·8 E.			9·4 N.				
Guayaquil	2 13	280 06	1832	.....	.....	.....	12 15 N.	.....	12·3 N.	.....	.....	.....	Boussingault.
			1835	8 30 E.	.....	8·5 E.	.....	.....	.....	.....	.....	.....	FitzRoy.
Pacasmayo Point (5 stations)	7 23	280 12	1835	9 25 E.	.....	9·4 E.	.....	.....	.....	.....	.....	.....	FitzRoy.
At sea (3 observations)	8 59	280 29	1836	9 03 E.	.....	9·1 E.	.....	.....	.....	.....	.....	.....	Bonite.
Quito	0 14	281 16	1831	.....	.....	.....	16 32 N.	.....	16·5 N.	.....	.....	.....	Boussingault.
Riobamba	1 42	281 16	1831	.....	.....	.....	12 35 N.	.....	12·6 N.	.....	.....	.....	Boussingault.
Samanco Bay (4 stations)	9 28	281 32	1835	9 30 E.	.....	9·5 E.	.....	.....	.....	.....	.....	.....	FitzRoy.
Para	1 26	311 30	1830	1 14 E.	1 00 W.	0·2 E.	23 27 N.	.....	23·5 N.	.....	.....	.....	Foster.
			1838	.....	.....	.....	24 08 N.	.....	24·1 N.	.....	.....	.....	Home.
									23·8 N.				
Maranham	2 32	315 39	1822	.....	.....	.....	23 06 N.	.....	23·1 N.	.....	.....	.....	Sabine.
			1828	0 31 W.	1 10 W.	1·7 W.	23 21 N.	.....	23·3 N.	.....	.....	.....	Foster.
			1832	2 00 E.	0 50 W.	1·2 E.	.....	.....	.....	.....	.....	.....	Owen.
						0·3 W.			23·3 N.				
			1835	.....	.....	.....	23 31 N.	.....	23·5 N.	.....	.....	.....	Home.
Ceara	3 44	321 29	1865	8 29 W.	2 06 E.	6·4 W.	21 23 N.	.....	21·4 N.	6·99	.....	6·99	Harkness.
At sea (3 observations)	2 39	321 36	1842	6 19 W.	.....	6·3 W.	.....	.....	.....	.....	.....	.....	Jehenne.
At sea	0 27	324 44	1839	.....	.....	.....	27 32 N.	.....	27·5 N.	7·62	.....	7·62	Sulivan.
At sea	2 54	325 03	1839	.....	.....	.....	22 32 N.	.....	22·5 N.	7·30	.....	7·30	Sulivan.
Pernambuco	8 04	325 09	1836	5 54 W.	0 47 W.	6·7 W.	13 13 N.	−0 13	13·0 N.	.....	.....	6·64	FitzRoy.
			1839	.....	.....	.....	13 09 N.	−0 7	13·0 N.	6·74	.....		Sulivan.
			1865	11 00 W.	2 40 E.	8·3 W.	12 08 N.	+0 45	12·9 N.	6·54	.....		Harkness.
						7·5 W.			13·0 N.				
At sea (2 observations)	8 03	325 10	1836	5 10 W.	0 45 W.	5·9 W.	.....	.....	.....	.....	.....	.....	FitzRoy.
At sea (2 observations)	6 23	325 20	1839	.....	.....	.....	15 57 N.	.....	15·9 N.	7·03	.....	7·03	Sulivan.
At sea (4 observations)	7 39	325 52	1829	3 58 W.	1 31 W.	5·5 W.	.....	.....	.....	.....	.....	.....	Rumker.
At sea	7 28	326 48	1837	9 45 W.	0 38 W.	10·4 W.	.....	.....	.....	.....	.....	.....	Du Petit Thouars.
At sea (7 observations)	2 16	327 02	1829	5 25 W.	1 34 W.	7·0 W.	.....	.....	.....	.....	.....	.....	Rumker.
At sea	6 20	327 20	1839	.....	.....	.....	15 57 N.	.....	15·9 N.	7·16	.....	7·16	Sulivan.
At sea	6 24	327 24	1840	.....	.....	.....	.....	.....	.....	6·72	.....	6·72	Ross.
At sea	3 51	327 26	1837	9 30 W.	0 38 W.	10·1 W.	.....	.....	.....	.....	.....	.....	Du Petit Thouars.
At sea	7 16	327 27	1840	8 57 W.	0 17 W.	9·2 W.	.....	.....	.....	.....	.....	.....	Ross.
At sea	7 50	327 28	1840	.....	.....	.....	12 08 N.	.....	12·1 N.	6·65	.....	6·65	Ross.
Fernando de Noronha	3 50	327 35	1832	7 00 W.	1 13 W.	8·2 W.	.....	.....	.....	.....	.....	.....	FitzRoy.
At sea (2 observations)	2 14	327 39	1837	9 45 W.	0 38 W.	10·4 W.	.....	.....	.....	.....	.....	.....	Du Petit Thouars.
At sea	4 49	327 43	1840	.....	.....	.....	17 49 N.	.....	17·8 N.	6·90	.....	6·90	Ross.
At sea	2 36	327 52	1837	10 10 W.	0 38 W.	10·8 W.	.....	.....	.....	.....	.....	.....	Du Petit Thouars.
At sea	9 21	327 58	1840	.....	.....	.....	9 36 N.	.....	9·6 N.	6·52	.....	6·52	Ross.
At sea (3 observations)	3 54	328 00	1832	7 53 W.	1 13 W.	9·1 W.	.....	.....	.....	.....	.....	.....	FitzRoy.
At sea	9 23	328 03	1838	.....	.....	.....	6 41 N.	.....	6·7 N.	.....	.....	.....	Stanley.
At sea	9 41	328 05	1830	8 39 W.	1 27 W.	10·1 W.	9 36 N.	.....	9·6 N.	6·49	.....	6·49	Erman.
At sea	9 47	328 07	1840	8 39 W.	0 17 W.	8·9 W.	.....	.....	.....	.....	.....	.....	Ross.
At sea (2 observations)	7 57	328 31	1830	9 01 W.	1 27 W.	10·5 W.	.....	.....	.....	.....	.....	.....	Erman.
At sea	3 18	328 31	1840	.....	.....	.....	18 44 N.	.....	18·7 N.	7·02	.....	7·02	Ross.
At sea	3 02	328 41	1840	10 15 W.	0 17 W.	10·5 W.	.....	.....	.....	.....	.....	.....	Ross.
At sea	2 35	328 50	1838	.....	.....	.....	21 55 N.	.....	21·9 N.	7·25	.....	7·25	Sulivan.
At sea (2 observations)	6 21	328 57	1830	8 53 W.	1 27 W.	10·3 W.	.....	.....	.....	.....	.....	.....	Erman.
At sea	5 19	329 04	1830	.....	.....	.....	17 42 N.	.....	17·7 N.	6·82	.....	6·82	Erman.
At sea (2 observations)	9 03	329 05	1846	9 15 W.	0 25 E.	8·8 W.	.....	.....	.....	.....	.....	.....	Sulivan.
At sea	3 51	329 06	1830	8 58 W.	1 27 W.	10·4 W.	20 29 N.	.....	20·5 N.	6·92	.....	6·92	Erman.
At sea	5 02	329 06	1842	9 27 W.	.....	9·5 W.	.....	.....	.....	.....	.....	.....	Jehenne.
At sea	6 46	329 07	1846	9 46 W.	0 24 E.	10·4 W.	.....	.....	.....	.....	.....	.....	Sulivan.
At sea	3 18	329 11	1846	9 50 W.	0 24 E.	9·4 W.	.....	.....	.....	.....	.....	.....	Sulivan.
At sea	5 10	329 16	1846	9 46 W.	0 24 E.	9·4 W.	.....	.....	.....	.....	.....	.....	Sulivan.
At sea	1 37	329 17	1840	.....	.....	.....	23 04 N.	.....	23·1 N.	7·19	.....	7·19	Ross.
At sea	1 04	329 20	1837	12 20 W.	0 38 W.	13·0 W.	.....	.....	.....	.....	.....	.....	Du Petit Thouars.
At sea	1 53	329 24	1830	.....	.....	.....	23 27 N.	.....	23·5 N.	7·37	.....	7·37	Erman.
At sea	2 56	329 31	1830	9 37 W.	1 27 W.	11·1 W.	.....	.....	.....	.....	.....	.....	Erman.
At sea (3 observations)	7 30	329 33	1826	8 43 W.	1 55 W.	10·6 W.	.....	.....	.....	.....	.....	.....	Lütke.
At sea	2 50	329 34	1846	10 18 W.	0 24 E.	9·9 W.	.....	.....	.....	.....	.....	.....	Sulivan.

SOUTH EQUATORIAL ZONE I.—Equator to 10° S. (continued).

Stations.	Lat. S.	Long. E.	Date.	Declination.			Inclination.			Force in British units.			Observers.
				Observed.	Correction to Epoch 1842·5.	Corrected.	Observed.	Cor. to Epoch 1842·5.	Corrected.	Observed.	Cor. to Epoch 1842·5.	Corrected.	
	° ′	° ′		° ′	° ′	°	° ′		°				
At sea	1 21	329 39	1830	9 19 w.	1 27 w.	10·8 w.	.....	.....	.....	.....	.....	.....	Erman.
At sea (2 observations)	0 36	329 43	1830	9 51 w.	1 27 w.	11·3 w.	.....	.....	.....	.....	.....	.....	Erman.
At sea (3 observations)	0 19	329 48	1832	8 26 w.	1 13 w.	9·7 w.	.....	.....	.....	.....	.....	.....	FitzRoy.
At sea	0 28	330 02	1840	.....	.....	.....	24 28 N.	.....	24·5 N.	7·19	.....	7·19	Ross.
At sea (2 observations)	8 06	330 02	1840	11 01 w.	0 17 w.	11·3 w.	.....	.....	.....	.....	.....	.....	Pasley.
At sea	0 46	330 03	1846	10 54 w.	0 24 E.	10·5 w.	.....	.....	.....	.....	.....	.....	Sulivan.
At sea	0 07	330 08	1840	10 35 w.	0 17 w.	10·9 w.	.....	.....	.....	.....	.....	.....	Ross.
At sea	4 15	330 40	1848	.....	.....	.....	15 19 N.	.....	15·3 N.	.....	.....	.....	Stanley.
At sea	7 47	330 48	1847	13 41 w.	0 31 E.	13·2 w.	.....	.....	.....	.....	.....	.....	Stanley.
At sea (3 observations)	7 41	330 53	1847	.....	.....	.....	10 26 N.	.....	10·4 N.	6·76	.....	6·76	Rattlesnake.
At sea	5 59	331 08	1842	13 04 w.	.....	13·1 w.	.....	.....	.....	.....	.....	.....	Jehenne.
At sea (2 observations)	8 10	331 16	1842	12 00 w.	.....	12·0 w.	.....	.....	.....	.....	.....	.....	Bérard.
At sea (2 observations)	6 53	331 23	1830	9 30 w.	1 27 w.	10·9 w.	.....	.....	.....	.....	.....	.....	Prussian ships.
At sea (2 observations)	9 25	331 32	1842	11 14 w.	.....	11·2 w.	.....	.....	.....	.....	.....	.....	H.M.S. 'Fly.'
At sea	1 00	332 08	1838	.....	.....	.....	20 13 N.	.....	20·2 N.	.....	.....	.....	Stanley.
At sea (3 observations)	4 58	332 12	1847	.....	.....	.....	14 58 N.	.....	15·0 N.	6·89	.....	6·89	Rattlesnake.
At sea	8 56	332 50	1843	10 12 w.	.....	10·2 w.	7 24 N.	.....	7·4 N.	.....	.....	.....	Ross.
At sea	7 01	332 56	1843	11 52 w.	.....	11·9 w.	11 01 N.	.....	11·0 N.	.....	.....	.....	Ross.
At sea (2 observations)	3 46	333 00	1847	14 30 w.	0 31 E.	14·0 w.	.....	.....	.....	.....	.....	.....	Stanley.
At sea	5 26	333 06	1843	11 10 w.	.....	11·2 w.	13 25 N.	.....	13·4 N.	.....	.....	.....	Ross.
At sea	3 47	333 13	1843	11 36 w.	.....	11·6 w.	16 15 N.	.....	16·3 N.	.....	.....	.....	Ross.
At sea (2 observations)	7 52	333 26	1842	13 46 w.	.....	13 8 w.	.....	.....	.....	.....	.....	.....	Jehenne.
At sea	6 06	333 27	1842	.....	.....	.....	13 48 N.	.....	13·8 N.	6·74	.....	6·74	H.M.S. 'Fly.'
At sea	1 53	333 39	1843	12 48 w.	.....	12·8 w.	19 59 N.	.....	20·0 N.	.....	.....	.....	Ross.
At sea (3 observations)	2 25	333 53	1847	.....	.....	.....	17 58 N.	.....	18·0 N.	6·94	.....	6·94	Rattlesnake.
At sea	0 19	334 00	1847	12 51 w.	0 31 E.	12·3 w.	22 34 N.	.....	22·6 N.	.....	.....	.....	Ross.
At sea (3 observations)	2 11	334 23	1826	11 24 w.	1 55 w.	13·3 w.	.....	.....	.....	.....	.....	.....	Lütke.
At sea (2 observations)	7 00	334 34	1836	12 38 w.	0 45 w.	13·4 w.	.....	.....	.....	.....	.....	.....	Bonite.
At sea (3 observations)	2 48	334 43	1842	14 27 w.	.....	14·5 w.	.....	.....	.....	.....	.....	.....	H.M.S. 'Fly.'
At sea (3 observations)	1 50	334 56	1842	15 15 w.	.....	15·3 w.	.....	.....	.....	.....	.....	.....	Bérard.
At sea (3 observations)	6 34	335 13	1850	.....	.....	.....	11 20 N.	.....	11·3 N.	6·93	.....	6·93	Rattlesnake.
At sea (3 observations)	4 01	335 20	1850	.....	.....	.....	15 21 N.	.....	15·3 N.	7·22	.....	7·22	Rattlesnake.
At sea (8 observations)	2 43	335 34	1830	13 52 w.	1 27 w.	15·3 w.	.....	.....	.....	.....	.....	.....	Prussian ships.
At sea (3 observations)	0 28	335 42	1847	.....	.....	.....	20 10 N.	.....	20·2 N.	7·04	.....	7·04	Rattlesnake.
At sea (3 observations)	9 21	335 44	1850	.....	.....	.....	6 36 N.	.....	6·6 N.	6·90	.....	6·90	Rattlesnake.
At sea	7 48	335 46	1842	14 29 w.	.....	14·5 w.	.....	.....	.....	.....	.....	.....	Jehenne.
At sea	0 19	335 50	1847	15 05 w.	0 34 E.	14·5 w.	.....	.....	.....	.....	.....	.....	Stanley.
At sea (6 observations)	0 34	336 00	1850	.....	.....	.....	20 40 N.	.....	20·7 N.	7·50	.....	7·50	Rattlesnake.
At sea	6 20	336 05	1822	11 30 w.	2 33 w.	14·1 w.	11 07 N.	.....	11·1 N.	.....	.....	.....	Duperrey.
At sea (2 observations)	3 42	336 23	1822	12 00 w.	2 33 w.	14·5 w.	16 44 N.	.....	16·7 N.	.....	.....	.....	Duperrey.
At sea (3 observations)	8 01	336 33	1826	11 30 w.	2 03 w.	13·5 w.	.....	.....	.....	.....	.....	.....	D'Urville.
At sea (2 observations)	0 57	336 52	1822	13 12 w.	2 33 w.	15·7 w.	19 09 N.	.....	19·1 N.	.....	.....	.....	Duperrey.
At sea (2 observations)	2 35	337 44	1839	15 23 w.	0 24 w.	15·8 w.	.....	.....	.....	.....	.....	.....	Du Petit Thouars.
At sea	9 45	337 53	1831	.....	.....	.....	3 09 N.	.....	3·1 N.	.....	.....	.....	Dunlop.
At sea (6 observations)	0 56	338 00	1846	.....	.....	.....	18 33 N.	.....	18·5 N.	7·12	.....	7·12	H.M.S. 'Fly.'
At sea (4 observations)	2 00	338 40	1829	15 24 w.	1 40 w.	17·1 w.	.....	.....	.....	.....	.....	.....	Lütke.
At sea (2 observations)	2 26	338 43	1836	14 33 w.	0 48 w.	15·3 w.	.....	.....	.....	.....	.....	.....	Bonite.
At sea	3 18	338 45	1839	15 58 w.	0 24 w.	16·4 w.	.....	.....	.....	.....	.....	.....	Du Petit Thouars.
At sea	1 05	338 52	1842	.....	.....	.....	.....	.....	.....	7·43	.....	7·43	Lefroy.
At sea (2 observations)	2 31	339 02	1826	13 10 w.	2 03 w.	15·2 w.	.....	.....	.....	.....	.....	.....	D'Urville.
At sea	8 10	339 50	1831	.....	.....	.....	5 12 N.	.....	5·2 N.	.....	.....	.....	Dunlop.
At sea (6 observations)	2 50	340 10	1851	18 07 w.	1 20 E.	16·8 w.	.....	.....	.....	.....	.....	.....	Kellett.
At sea (3 observations)	3 10	340 14	1846	.....	.....	.....	11 35 N.	.....	11·6 N.	6·80	.....	6·80	H.M.S. 'Fly.'
At sea (2 observations)	1 48	340 39	1846	17 32 w.	0 26 E.	17·1 w.	.....	.....	.....	.....	.....	.....	Bérard.
At sea	6 02	341 02	1831	.....	.....	.....	8 24 N.	.....	8·4 N.	.....	.....	.....	Dunlop.
At sea	3 00	341 04	1842	.....	.....	.....	.....	.....	.....	7·01	.....	7·01	Lefroy.
At sea	4 29	341 16	1839	16 33 w.	0 27 w.	17·0 w.	.....	.....	.....	.....	.....	.....	Du Petit Thouars.
At sea (3 observations)	2 47	341 20	1846	18 02 w.	0 28 E.	17·6 w.	.....	.....	.....	.....	.....	.....	Bérard.
At sea	4 03	341 37	1831	.....	.....	.....	11 28 N.	.....	11·5 N.	.....	.....	.....	Dunlop.
At sea (2 observations)	9 49	341 45	1836	15 57 w.	0 51 w.	16·8 w.	.....	.....	.....	.....	.....	.....	FitzRoy.
At sea (4 observations)	8 42	342 02	1846	18 08 w.	0 28 E.	17·7 w.	.....	.....	.....	.....	.....	.....	H.M.S. 'Fly.'
At sea	3 58	342 04	1842	.....	.....	.....	.....	.....	.....	6·79	.....	6·79	Lefroy.

SOUTH EQUATORIAL ZONE I.—Equator to 10° S. (continued).

Stations.	Lat. S.	Long. E.	Date.	Declination.			Inclination.			Force in British units.			Observers.
				Observed.	Correction to Epoch 1842·5.	Corrected.	Observed.	Cor. to Epoch 1842·5.	Corrected.	Observed.	Cor. to Epoch 1842·5.	Corrected.	
	° ′	° ′		° ′	° ′	°	° ′	° ′	°				
At sea (3 observations)	5 06	342 08	1846	.....	.....	.....	6 45 N.	.....	6·8 N.	6·62	.....	6·62	H.M.S. 'Fly.'
At sea	1 52	342 31	1831	.....	.....	.....	14 40 N.	.....	14·7 N.	.....	.....	.....	Dunlop.
At sea	4 41	342 49	1842	.....	.....	.....	.....	.....	.....	6·68	.....	6·68	Lefroy.
At sea (2 observations)	7 58	343 10	1824	15 45 W.	2 32 W.	18·3 W.	.....	.....	.....	.....	.....	.....	Prussian ships.
At sea (2 observations)	6 34	343 20	1839	19 15 W.	0 27 W.	19·7 W.	.....	.....	.....	.....	.....	.....	Prussian ships.
At sea (2 observations)	5 42	343 28	1846	19 14 W.	0 27 E.	18·8 W.	.....	.....	.....	.....	.....	.....	Bérard.
At sea (6 observations)	6 23	343 32	1846	.....	.....	.....	3 04 N.	.....	3·1 N.	6·48	.....	6·48	H.M.S. 'Fly.'
At sea	9 17	343 44	1843	19 09 W.	.....	19·1 W.	0 30 N.	.....	0·5 N.	.....	.....	.....	Ross.
At sea (4 observations)	6 17	344 04	1851	20 01 W.	1 20 E.	18·7 W.	.....	.....	.....	.....	.....	.....	Kellett.
At sea (3 observations)	7 04	344 06	1846	.....	.....	.....	1 54 N.	.....	1·9 N.	6·43	.....	6·43	H.M.S. 'Fly.'
At sea	0 53	344 36	1831	.....	.....	.....	17 22 N.	.....	17·4 N.	.....	.....	.....	Dunlop.
At sea (3 observations)	1 50	344 40	1837	17 45 W.	0 44 W.	18·5 W.	.....	.....	.....	.....	.....	.....	Bonite.
At sea (2 observations)	8 02	344 48	1832	17 21 W.	2 44 W.	20·1 W.	.....	.....	.....	.....	.....	.....	Prussian ships.
At sea (2 observations)	6 55	344 57	1839	18 39 W.	0 27 W.	19·1 W.	.....	.....	.....	.....	.....	.....	Du Petit Thouars.
At sea (6 observations)	8 03	345 08	1846	.....	.....	.....	0 40 S.	.....	0·7 S.	6·36	.....	6·36	H.M.S. 'Fly.'
At sea	7 59	345 25	1843	.....	.....	.....	0 19 N.	.....	0·3 S.	.....	.....	.....	Ross.
At sea (6 observations)	8 35	345 32	1846	.....	.....	.....	1 50 S.	.....	1·8 S.	6·29	.....	6·29	H.M.S. 'Fly.'
Ascension *	7 54	345 36	1830	20 10 W.	1 12 W.	21·4 W.	.....	.....	.....	.....	.....	.....	Foster.
			1834	.....	.....	.....	1 57 N.	−2 3	0·1 S.	.....	.....	.....	Allen.
			1836	17 36 W.	0 36 W.	18·2 W.	1 39 N.	−1 34	0·1 N.	.....	.....	.....	FitzRoy.
			1839	18 31 W.	0 18 W.	18·8 W.	0 06 N.	−0 51	0·7 S.	.....	.....	.....	Du Petit Thouars.
			1842	.....	.....	.....	0 08 S.	.....	0·1 S.	.....	.....	.....	Allen.
						18·6 W.			0·2 S.				
			1842	19 16 W.	.....	.....	.....	.....	.....	6·61	.....	6·61	Belcher.
			1846	19 16 W.	0 24 E.	18·9 W.	.....	.....	.....	.....	.....	.....	Bérard.
			1861	21 45 W.	.....	.....	.....	.....	.....	.....	.....	.....	Denham.
			1863	21 38 W.	.....	.....	4 47 S.	.....	.....	6·08	.....	6·08	H.M.S. 'Hecate.'
			1864	.....	.....	.....	5 57 S.	.....	.....	6·33	.....	6·33	Rokeby.
At sea (4 observations)	7 29	345 37	1834	18 57 W.	1 16 W,	20·2 W.	.....	.....	.....	.....	.....	.....	Prussian ships.
At sea (5 observations)	7 45	345 43	1829	18 19 W.	2 01 W.	20·3 W.	.....	.....	.....	.....	.....	.....	Lütke.
At sea (3 observations)	7 04	345 44	1837	18 41 W.	0 48 W.	19·5 W.	.....	.....	.....	.....	.....	.....	Bonite.
At sea (3 observations)	8 42	345 44	1846	19 21 W.	0 31 E.	18·8 W.	.....	.....	.....	.....	.....	.....	H.M.S. 'Fly.'
At sea	8 07	345 50	1843	.....	.....	.....	0 17 N.	.....	0·3 N.	.....	.....	.....	Ross.
At sea (4 observations)	8 08	345 55	1851	21 00 W.	1 30 E.	19·5 W.	.....	.....	.....	.....	.....	.....	Kellett.
At sea (2 observations)	8 04	346 03	1846	19 21 W.	0 31 E.	18·8 W.	.....	.....	.....	.....	.....	.....	Bérard.
At sea	6 11	346 05	1842	.....	.....	.....	.....	.....	.....	6·59	.....	6·59	Lefroy.
At sea	9 38	346 22	1842	.....	.....	.....	.....	.....	.....	6·18	.....	6·18	Lefroy.
At sea (2 observations)	8 55	346 31	1836	17 40 W.	0 58 W.	18·6 W.	.....	.....	.....	.....	.....	.....	FitzRoy.
At sea (6 observations)	9 59	346 44	1846	.....	.....	.....	4 48 S.	.....	4·8 S.	6·30	.....	6·30	H.M.S. 'Fly.'
At sea (2 observations)	9 03	347 02	1839	19 16 W.	0 31 W.	19·8 W.	.....	.....	.....	.....	.....	.....	Du Petit Thouars.
At sea	9 30	347 47	1846	19 17 W.	0 31 E.	18·8 W.	.....	.....	.....	.....	.....	.....	Bérard.

* The effects of local disturbance on land being so great, the mean Declination is assumed from results of observations made on board ships in the anchorage.

SOUTH EQUATORIAL ZONE II.—LATITUDE 10° TO 20° S.

Authorities.

FitzRoy	Voyage of the 'Beagle,' 1849.
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Ross, Jehenne, Pasley, Du Petit Thouars, Stanley	Sabine in Phil. Trans. 1842 and 1849; and St.-Helena Observations, vol. i.
Owen, Laplace, Duperrey, Prussian Ships, Lütke, Dumont d'Urville, Richardson, Kotzebue, Irland, Bruce, Lartigue, Rumker, Beechey	L. S. Kämtz, MSS.
Smythe	St.-Helena Observations, vol. ii.
Bonite	Voyage (Paris, 1842).
La Vénus	Voyage autour du Monde (Paris, 1841).
Bérard	MSS. in Mag. Office, received from Admiral Duperrey.
Novara (Austrian Frigate)	Reise um die Erde (Wien, 1862–65).
Erman	Reise um die Erde (Berlin, 1841).
Livingstone (Charles)	MSS. in Mag. Office.
Elliot	Phil. Trans. (1851), Art. xii.
Harkness	Smithsonian Contrib. vol. xviii.
Friesach	Mem. Imp. Acad. of Sciences, Vienna, vols. xxix. to xliv.
Rattlesnake	MSS. in the Hydrographic Office.
Richards	MSS. in the Hydrographic Office.
Kellett	MSS. in the Hydrographic Office.
Denham	MSS. in the Hydrographic Office.
'Fly'	MSS. in the Hydrographic Office.
'Hecate'	MSS. in the Hydrographic Office.

SOUTH EQUATORIAL ZONE II.—Lat. 10° to 20° S.

Stations.	Lat. S.	Long. E.	Date.	Declination.			Inclination.			Force in British units.			Observers.
				Observed.	Correction to Epoch 1842·5.	Corrected.	Observed.	Cor. to Epoch 1842·5.	Corrected.	Observed.	Cor. to Epoch 1842·5.	Corrected.	
	° ′	° ′		° ′	° ′	°	° ′		°				
At sea (3 observations)	19 43	0 44	1846	.....	.....	.....	30 57	.....	31·0 s.	6·23	.....	6·23	H.M.S. 'Fly.'
Cape Negro	15 47	11 46	1825	23 00 w.	1 10 w.	24·2 w.	.....	.....	.....	.....	.....	.....	Owen.
Cape Frio	18 23	11 57	1825	23 18 w.	1 10 w.	24·5 w.	.....	.....	.....	.....	.....	.....	Owen.
Benguela	12 34	13 14	1825	22 00 w.	1 10 w.	23·2 w.	.....	.....	.....	.....	.....	.....	Owen.
Tette	16 09	33 28	1858	.....	.....	..... } 15·1 w.	48 10	.....	48·2 s. } 48·2 s.	7·83	.....	} 7·83	Livingstone.
			1859	15 07 w.	.....	15·1 w.	.....	.....	.....	.....	.....		Livingstone.
Dakanamois Island ...	16 02	35 01	1859	14 56 w.	.....	14·9 w.	48 41	.....	48·7 s.	7·86	.....	7·86	Livingstone.
Expedition Island.....	18 25	35 51	1858	14 57 w.	.....	15·0 w.	51 10	.....	51·2 s.	7·74	.....	7·74	Livingstone.
Quillimane	18 01	36 56	1825	21 00 w.	.....	21·0 w.	.....	.....	.....	.....	.....	.....	Owen.
Juan de Nova	17 15	42 30	1825	18 00 w.	.....	18·0 w.	.....	.....	.....	.....	.....	.....	Owen.
Coffin Island.....	17 29	43 42	1825	18 00 w.	.....	18·0 w.	.....	.....	.....	.....	.....	.....	Owen.
Barren Island	18 41	43 53	1825	17 48 w.	.....	17·8 w.	.....	.....	.....	.....	.....	.....	Owen.
Comoro	12 10	44 20	1825	12 30 w.	.....	12·5 w.	.....	.....	.....	.....	.....	.....	Owen.
Bembatoo-ka.....	15 43	46 15	1825	15 00 w.	.....	15·0 w.	.....	.....	.....	.....	.....	.....	Owen.
Majambo Bay	15 14	47 00	1842	12 10 w.	.....	12·2 w.	48 19	.....	48·3 s.	8·46	.....	8·46	Belcher.
Glorious Islands	11 35	47 19	1825	13 00 w.	.....	13·0 w.	.....	.....	.....	.....	.....	.....	Owen.
Passandava	13 28	48 10	1825	12 30 w.	.....	12·5 w.	.....	.....	.....	.....	.....	.....	Owen.
Manocroo	19 55	48 47	1825	12 00 w.	.....	12·0 w.	.....	.....	.....	.....	.....	.....	Owen.
Tamatave	18 10	49 31	1825	13 00 w.	.....	13·0 w.	.....	.....	.....	.....	.....	.....	Owen.
Diego Suarez.....	12 15	49 34	1825	11 00 w.	.....	11·0 w.	.....	.....	.....	.....	.....	.....	Owen.
St. Mary's Island	17 00	49 49	1825	14 00 w.	.....	14·0 w.	.....	.....	.....	.....	.....	.....	Owen.
N'Goney	15 14	50 25	1825	13 00 w.	.....	13·0 w.	.....	.....	.....	.....	.....	.....	Owen.
Sandy Island.....	15 54	54 21	1830	11 00 w.	.....	11·0 w.	.....	.....	.....	.....	.....	.....	Laplace.
At sea.....	19 54	57 55	1845	9 27 w.	.....	9·4 w.	.....	.....	.....	.....	.....	.....	Pagoda.
Gargodos-Garajos.....	16 22	59 44	1824	9 54 w.	.....	9·9 w.	.....	.....	.....	.....	.....	.....	Owen.
At sea (2 observations)	19 02	61 13	1836	8 35 w.	.....	8·6 w.	.....	.....	.....	.....	.....	.....	FitzRoy.
At sea (2 observations)	18 39	62 57	1836	7 51 w.	.....	7·8 w.	.....	.....	.....	.....	.....	.....	FitzRoy.
At sea.....	19 50	65 32	1837	8 16 w.	.....	8·3 w.	.....	.....	.....	.....	.....	.....	Bonite.
At sea.....	19 04	68 10	1837	5 45 w.	.....	5·7 w.	.....	.....	.....	.....	.....	.....	Bonite.
At sea.....	18 27	69 29	1837	5 54 w.	.....	5·9 w.	.....	.....	.....	.....	.....	.....	Bonite.
At sea.....	18 06	70 39	1837	5 02 w.	.....	5·0 w.	.....	.....	.....	.....	.....	.....	Bonite.
At sea (4 observations)	17 31	70 39	1836	4 45 w.	.....	4·7 w.	.....	.....	.....	.....	.....	.....	FitzRoy.
At sea (3 observations)	18 48	71 24	1846	.....	.....	.....	50 24	.....	50·4 s.	9·18	.....	9·18	H.M.S. 'Fly.'
At sea.....	17 15	71 55	1837	4 36 w.	.....	4·6 w.	.....	.....	.....	.....	.....	.....	Bonite.
At sea (3 observations)	16 57	73 01	1836	3 40 w.	.....	3·7 w.	.....	.....	.....	.....	.....	.....	FitzRoy.
At sea.....	15 54	73 51	1837	4 09 w.	.....	4·1 w.	.....	.....	.....	.....	.....	.....	Bonite.
At sea (3 observations)	18 00	74 52	1846	.....	.....	.....	48 40	.....	48·7 s.	9·16	.....	9·16	H.M.S. 'Fly.'
At sea (2 observations)	19 11	75 47	1834	4 46 w.	.....	4·8 w.	.....	.....	.....	.....	.....	.....	Prussian ships.
At sea.....	13 44	76 33	1837	3 36 w.	.....	3·6 w.	.....	.....	.....	.....	.....	.....	Bonite.
At sea (3 observations)	17 55	77 49	1846	.....	.....	.....	48 52	.....	48·9 s.	9·16	.....	9·16	H.M.S. 'Fly.'
At sea (3 observations)	17 45	79 26	1846	.....	.....	.....	48 31	.....	48·5 s.	9·13	.....	9·13	H.M.S. 'Fly.'
At sea.....	10 12	81 02	1837	0 42 w.	.....	0·7 w.	.....	.....	.....	.....	.....	.....	Bonite.
At sea.....	17 30	81 27	1846	.....	.....	.....	47 27	.....	47·5 s.	9·19	.....	9·19	H.M.S. 'Fly.'
At sea (4 observations)	19 57	82 56	1851	7 42 w.	.....	7·7 w.	.....	.....	.....	.....	.....	.....	Kellett.
At sea.....	18 33	84 03	1824	0 37 w.	.....	0·6 w.	48 23	.....	48·4 s.	.....	.....	.....	Duperrey.
At sea (2 observations)	13 59	85 10	1857	3 24 w.	.....	3·4 w.	.....	.....	.....	.....	.....	.....	Novara.
At sea (3 observations)	17 06	85 18	1857	4 22 w.	.....	4·4 w.	.....	.....	.....	.....	.....	.....	Novara.
At sea (3 observations)	17 23	85 20	1846	.....	.....	.....	48 30	.....	48·5 s.	9·32	.....	9·32	H.M.S. 'Fly.'
At sea (6 observations)	16 56	85 24	1833	2 40 w.	.....	2·7 w.	.....	.....	.....	.....	.....	.....	Prussian ships.
At sea (6 observations)	18 06	87 30	1851	6 09 w.	.....	6·1 w.	.....	.....	.....	.....	.....	.....	Kellett.
At sea.....	17 35	89 15	1846	.....	.....	.....	48 30	.....	48·5 s.	9·43	.....	9·43	H.M.S. 'Fly.'
At sea (2 observations)	13 08	89 23	1836	0 38 w.	.....	0·6 w.	.....	.....	.....	.....	.....	.....	FitzRoy.
At sea (2 observations)	16 20	90 16	1851	5 28 w.	.....	5·5 w.	.....	.....	.....	.....	.....	.....	Kellett.
At sea (2 observations)	13 58	91 12	1827	2 21 w.	.....	2·3 w.	.....	.....	.....	.....	.....	.....	Prussian ships.
At sea (2 observations)	14 27	93 08	1851	4 30 w.	.....	4·5 w.	.....	.....	.....	.....	.....	.....	Kellett.
At sea (2 observations)	18 02	93 28	1846	.....	.....	.....	48 44	.....	48·7 s.	.....	.....	.....	H.M.S. 'Fly.'
At sea.....	12 21	94 04	1836	0 04 w.	.....	0·1 w.	.....	.....	.....	.....	.....	.....	FitzRoy.
At sea (14 observations)	18 41	94 58	1860	5 35 w.	.....	5·6 w.	.....	.....	.....	.....	.....	.....	Denham.
At sea (2 observations)	13 06	95 45	1851	3 40 w.	.....	3·7 w.	.....	.....	.....	.....	.....	.....	Kellett.
At sea.....	19 33	96 18	1846	.....	.....	.....	48 43	.....	48·7 s.	9·88	.....	9·88	H.M.S. 'Fly.'
Keeling Islands.....	12 06	96 50	1836	1 12 w.	.....	1·2 w. } 1·2 w.	.....	.....	..... } 39·3 s.	.....	.....	} 9·40	FitzRoy.
			1848	1 11 w.	.....	1·2 w.	39 19	.....	39·3 s.	9·40	.....		Elliot.

SOUTH EQUATORIAL ZONE II.—Lat. 10° to 20° S. (continued).

Stations.	Lat. S.	Long. E.	Date.	Declination.			Inclination.			Force in British units.			Observers.
				Observed.	Correction to Epoch 1842·5.	Corrected.	Observed.	Cor. to Epoch 1842·5.	Corrected.	Observed.	Cor. to Epoch 1842·5.	Corrected.	
	° ′	° ′		° ′	° ′	°	° ′		°				
At sea (3 observations)	17 35	97 24	1829	3 01 W.	.....	3·0 W.	.....	.....	.....	.....	.....	.....	Lütke.
At sea (2 observations)	11 52	97 42	1851	2 35 W.	.....	2·6 W.	.....	.....	.....	.....	.....	.....	Kellett.
At sea (7 observations)	10 40	99 12	1851	2 01 W.	.....	2·0 W.	.....	.....	.....	.....	.....	.....	Kellett.
At sea (9 observations)	15 45	100 40	1860	3 40 W.	.....	3·7 W.	.....	.....	.....	.....	.....	.....	Denham.
At sea (20 observations)	14 58	103 02	1860	1 43 W.	.....	1·7 W.	.....	.....	.....	.....	.....	.....	Denham.
At sea (3 observations)	15 37	103 17	1829	2 33 W.	.....	2·5 W.	.....	.....	.....	.. ...	.....	.....	Lütke.
At sea (6 observations)	18 55	103 47	1848	.....	.....	.....	46 43	.....	46·7 S.	10·15	.....	10·15	Rattlesnake.
At sea (2 observations)	13 50	105 08	1829	2 27 W.	.....	2·5 W.	.....	.....	.....	.....	.....	.....	Lütke.
At sea (3 observations)	17 49	105 25	1848	.....	.....	.....	44 52	.....	44·9 S.	10·16	.....	10·16	Rattlesnake.
At sea (12 observations)	14 20	107 50	1860	0 30 W.	.....	0·5 W.	.....	.....	.....	.....	.....	.....	Denham.
At sea (3 observations)	14 47	111 00	1848	.....	.....	.....	39 46	.....	39·8 S.	9·93	.....	9·93	Rattlesnake.
At sea (3 observations)	13 46	113 23	1848	.....	.....	.....	38 14	.....	38·2 S.	.....	.....	.....	Rattlesnake.
At sea (3 observations)	13 36	115 04	1848	.....	.....	.....	37 52	.....	37·9 S.	.....	.....	.....	Rattlesnake.
At sea (6 observations)	18 19	115 05	1827	0 59 W.	.....	1·0 W.	.....	.....	.....	.....	.....	.....	Dumont d'Urville.
At sea (8 observations)	12 41	116 09	1860	0 26 E.	.....	0·4 E.	.....	.....	.....	.....	.....	.....	Denham.
At sea (3 observations)	13 16	117 56	1848	.....	.....	.....	36 53	.....	36·9 S.	9·78	.....	9·78	Rattlesnake.
At sea (3 observations)	10 21	119 11	1860	1 19 E.	.....	1·3 E.	.....	.....	.....	.....	.....	.....	Denham.
At sea (3 observations)	12 23	119 33	1848	.....	.....	.....	35 27	.....	35·5 S.	9·70	.....	9·70	Rattlesnake.
At sea (5 observations)	16 35	120 44	1827	0 24 W.	.....	0·4 W.	.....	.....	.....	.....	.....	.....	Dumont d'Urville.
At sea (6 observations)	11 52	121 05	1848	.....	.....	.....	34 44	.....	34·7 S.	9·66	.....	9·66	Rattlesnake.
At sea (9 observations)	13 02	121 09	1827	0 28 W.	.....	0·5 W.	.....	.....	.....	.....	.....	.....	Dumont d'Urville.
Point Swan	16 21	123 03	1838	.....	.....	.....	43 07	.....	43·1 S.	9·92	.....	9·92	Wickham.
Port Usborne	16 39	123 34	1838	.....	.....	.....	43 26	.....	43·4 S.	10·04	.....	10·04	Wickham.
Timor, Koepang Fort	10 10	123 36	1863	1 24 E.	.....	1·4 E.	32 58	.....	33·0 S.	9·58	.....	9·58	H.M.S. 'Hecate.'
At sea (3 observations)	10 33	124 01	1848	.....	.....	.....	32 27	.....	32·5 S.	9·55	.....	9·55	Rattlesnake.
Port George IV.	15 20	124 40	1838	.....	.....	.....	41 29	.....	41·5 S.	10·00	.....	10·00	Wickham.
At sea (6 observations)	10 06	124 57	1848	.....	.....	.....	31 24	.....	31·4 S.	9·47	.....	9·47	Rattlesnake.
At sea (4 observations)	11 25	125 59	1860	1 07 E.	.....	1·1 E.	.....	.....	.....	.....	.....	.....	Denham.
At sea (3 observations)	11 13	128 57	1860	2 21 E.	.....	2·4 E.	.....	.....	.....	.....	.....	.....	Denham.
At sea (8 observations)	10 53	131 45	1848	.....	.....	.....	33 12	.....	33·2 S.	9·38	.....	9·38	Rattlesnake.
Port Essington, on shore	11 23	132 12	1845	2 10 E.	.....	2 2 E.	35 21	.....	35·3 S.	9·49	.....	9·49	H.M.S. 'Fly.'
Port Essington, on shore (3 obsrvtns.)	11 23	132 12	1848	.....	.....	.....	35 15	.....	35·3 S.	9·68	.....	9·68	Rattlesnake.
Port Essington, on board (6 obsrvtns.)	11 14	132 12	1848	.....	.....	.....	33 48	.....	33·8 S.	9·44	.....	9·44	Rattlesnake.
Hammond Island	10 32	142 12	1860	4 44 E.	.....	4·7 E.	.....	.....	.....	.....	.....	.....	Denham.
Evans Bay, C. York ...	10 44	142 31	1848	.....	.....	.....	33 11	.....	33·2 S.	9·41	.....	9·41	Rattlesnake.
			1863	6 25 E.	.....	6·4 E. } 6·4 E.	32 45	.....	32·8 S. } 33·0 S.	.....	.....	}	H.M.S. 'Hecate.'
Mount Adolphus	10 39	142 40	1843	4 00 E.	.....	4·0 E.	33 48	.....	33·8 S.	9·43	.....	9·43	H.M.S. 'Fly.'
Sir C. Hardy's Islet ...	11 56	143 39	1843	3 12 E.	.....	3·2 E.	35 31	.....	35·5 S.	9·68	.....	9·68	H.M.S. 'Fly.'
Claremont Isld., No. 5	13 39	143 45	1848	.....	.....	.....	38 12	.....	38·2 S.	.....	.....	.....	Rattlesnake.
R. Sir Ch. Hardy.....	11 56	143 47	1831	5 30 E.	.....	5·5 E.	.....	.....	.....	.....	.....	.....	Richardson.
Raine Island (3 obs.)...	11 36	144 02	1860	5 21 E.	.....	5·3 E.	.....	.....	.....	.....	.....	.....	Denham.
Raine Island (1 obs.)...	11 36	144 02	1844	4 00 E.	.....	4·0 E.	35 01	.....	35·0 S.	9·60	.....	9·60	H.M.S. 'Fly.'
Lizard Island, Torres Straits	14 40	145 28	1843	6 50 E.	.....	6·8 E. } 6·8 E.	39 30	.....	39·5 S. } 39·5 S.	10·04	.....	} 10·08	H.M.S. 'Fly.'
			1848	.....	.....	.....	39 32	.....	39·5 S.	10·12	.....		Rattlesnake.
Rockingham Bay	18 15	146 05	1843	6 53 E.	.....	6·9 E. } 6·7 E.	45 01	.....	45·0 S. } 44·8 S.	10·57	.....	} 10·76	H.M.S. 'Fly.'
			1863	6 30 E.	.....	6·5 E.	44 37	.....	44·6 S.	10·96	.....		H.M.S. 'Hecate.'
Round Islet, Rockingham Bay	17 55	146 10	1848	.....	.....	.....	44 13	.....	44·2 S.	10·66	.....	10·66	Rattlesnake.
Cape Upstart	19 43	147 50	1843	6 58 E.	.....	7·0 E.	47 15	.....	47·3 S.	10·67	.....	10·67	H.M.S. 'Fly.'
Willis Island (2 obs.)...	16 13	150 02	1860	7 11 E.	.....	7·2 E.	.....	.....	.....	.....	.....	.....	Denham.
Barnard I. No. 2 (3 obs.)	17 40	151 13	1848	.....	.....	.....	44 09	.....	44·1 S.	.....	.....	.....	Rattlesnake.
Alert Reef (2 obs.) ...	17 07	152 07	1860	8 03 E.	.....	8·1 E.	.....	.....	.....	.....	.....	.....	Denham.
Louisiade Archi. (2 obs.)	11 18	152 51	1849	.....	.....	.....	32 42	.....	32·7 S.	.....	.....	.....	Rattlesnake.
Sand Cay (3 obsrvs.)...	17 24	155 53	1860	8 30 E.	.....	8·5 E.	.....	.....	.....	.....	.....	.....	Denham.
Chesterfield Group (6 observations) ...	19 53	158 21	1859	9 22 E.	.....	9·4 E.	.....	.....	.....	.....	.....	.....	Denham.
At sea (3 observations)	10 17	162 40	1858	9 11 E.	0 16 E.	9·4 E.	.....	.....	.....	.....	.....	.....	Novara.
At sea (6 observations)	11 59	169 24	1828	10 02 E.	0 14 W.	9·8 E.	.....	.....	.....	.....	.....	.....	Dumont d'Urville.
Tanna Island.....	19 32	169 29	1840	11 37 E.	0 03 W.	11·6 E.	39 53	.....	39·9 S.	10·40	.....	10·40	Belcher.

SOUTH EQUATORIAL ZONE II.—Lat. 10° to 20° S. (continued).

Stations.	Lat. S.	Long. E.	Date.	Declination.			Inclination.			Force in British units.			Observers.
				Observed.	Correction to Epoch 1842·5.	Corrected.	Observed.	Cor. to Epoch 1842·5.	Corrected.	Observed.	Cor. to Epoch 1842·5.	Corrected.	
	° ′	° ′		° ′	° ′	°	° ′		°				
At sea (13 observations)	19 49	175 33	1855	11 34 E.	.....	11·6 E.	.....	... ..	.....	.....	.....	.....	Denham.
At sea	16 48	176 14	1823	8 09 E.	0 19 W.	7·7 E.	31 17	.....	31·3 S.	.....	.....	.....	Duperrey.
At sea (10 observations)	18 24	177 02	1826	10 49 E.	0 16 W.	10·5 E.	.....	.....	... ..	.....	.....	.....	Dumont d'Urville.
Benga Island	18 20	178 10	1840	10 21 E.	0 02 W.	10·3 E.	36 30	.....	36·5 S.	11·34	.....	11·34	Belcher.
Nukulau Island	18 10	178 31	1840	10 25 E.	0 02 W.	10·4 E.	36 09	.....	36·1 S.	9·78	.....	9·78	Belcher.
Viwa (2 observations)	17 57	178 36	1855	9 38 E.	.....	9·6 E.	.....	.....	.....	.....	.....	.....	Denham.
Levuka	17 41	178 50	1855	10 07 E.	.....	10·1 E.	.....	.....	.....	.....	.....	.....	Denham.
Nairai (4 observations)	17 53	179 20	1855	8 57 E.	.....	8·9 E.	.....	.....	.....	.....	.....	.....	Denham.
At sea (5 observations)	17 48	179 23	1855	9 25 E.	.....	9·4 E.	.....	.....	.....	.....	.....	.....	Denham.
Tova Reef (2 obs.)	18 39	179 34	1855	10 41 E.	.....	10·7 E.	.....	.....	.....	.....	.....	.....	Denham.
Totoya (3 observations)	18 55	179 50	1855	11 00 E.	.....	11·0 E.	.....	.....	.....	.....	.....	.....	Denham.
Matuku (3 observtns.)	19 09	180 10	1855	11 02 E.	.....	11·0 E.	.....	.....	.....	.....	.....	.....	Denham.
At sea (8 observations)	16 00	185 12	1863	8 44 E.	.....	8·7 E.	.....	.....	.....	.....	.....	.....	Richards.
Vavao Island	18 39	186 00	1837	.....	.....	.....	35 25	.....	35·4 S.	.....	.....	.....	Anonymous.
			1840	9 34 E.	0 02 W.	9·5 E.	35 07	.....	35·1 S.	9·65	.....	9·65	Belcher.
						9·5 E.			35·3 S.				
Upolu Island	14 00	188 00	1824	6 58 E.	0 18 W.	6·7 E.	.....	.....	.....	.....	.....	.....	Kotzebue.
Apia Hr., Upolu Island	13 50	188 14	1863	9 16 E.	.....	9·3 E.	27 32	.....	27·5 S.	9·08	.....	9·08	H.M.S. 'Hecate.'
At sea	11 56	188 34	1824	10 47 E.	0 18 W.	10·5 E.	24 12	.....	24·2 S.	.....	.....	.....	Duperrey.
At sea (5 observations)	13 01	189 53	1863	7 54 E.	.....	7·9 E.	.....	.....	.....	.....	.....	.....	Richards.
Tutuila	14 16	189 23	1837	.....	.....	.....	26 04	.....	26·1 S.	.....	.....	.....	Anonymous.
At sea (2 observations)	11 22	192 52	1863	7 34 E.	.....	7·6 E.	.....	.....	.....	.....	.....	.....	Richards.
At sea (4 observations)	20 48	195 47	1835	9 28 E.	0 07 W.	9·3 E.	.....	.....	.....	.....	.....	.....	FitzRoy.
At sea (11 observations)	10 25	197 58	1863	7 07 E.	.....	7·1 E.	.....	.....	.....	.....	.....	.....	Richards.
At sea (4 observations)	18 38	201 14	1835	9 09 E.	0 03 W.	9·1 E.	.....	.....	.....	.....	.....	.....	FitzRoy.
At sea (2 observations)	18 21	203 07	1835	7 43 E.	0 03 W.	7·7 E.	.....	.....	.....	.....	.....	.....	FitzRoy.
Bellingshausen Island	15 48	205 30	1824	6 00 E.	0 09 W.	5·8 E.	.....	.....	.....	.....	.....	.....	Kotzebue.
At sea (4 observations)	17 26	207 21	1835	7 37 E.	0 03 W.	7·6 E.	.....	.....	.....	.....	.....	.....	FitzRoy.
Manpiti Island	16 26	207 48	1823	7 10 E.	0 09 W.	7·0 E.	.....	.....	.....	.....	.....	.....	Duperrey.
Raiatea	16 42	208 37	1837	.....	.....	.....	28 44	.....	28·7 S.	.....	.....	.....	Anonymous.
At sea (3 observations)	17 20	208 41	1835	7 57 E.	0 03 W.	7·9 E.	.....	.....	.....	.....	.....	.....	FitzRoy.
At sea	18 24	209 32	1830	6 22 E.	0 06 W.	6·3 E.	.....	.....	.....	.....	.....	.....	Erman.
At sea	19 06	209 52	1830	.....	.....	.....	31 59	.....	32·0 S.	.....	.....	.....	Erman.
At sea	19 28	209 52	1830	7 25 E.	.....	7·4 E.	.....	.....	.....	9·44	.....	9·44	Erman.
At sea	17 25	210 13	1830	.....	.....	.....	29 16	.....	29·3 S.	.....	.....	.....	Erman.
At sea (2 observations)	18 23	210 13	1859	7 10 E.	.....	7·2 E.	.....	.....	.....	.....	.....	.....	Novara.
At sea	16 27	210 26	1830	.....	.....	.....	27 05	.....	27·1 S.	8·62	.....	8·62	Erman.
Papiete	17 32	210 27	1837	.....	.....	.....	29 07	.....	29·1 S.	.....	.....		Anonymous.
			1838	6 11 E.	.....	6·2 E.	27 07	.....	27·1 S.	.....	.....	8·48	La Vénus.
			1859	6 54 E.	.....	6·9 E.	28 43	.....	28·7 S.	8·40	.....		Friesach.
			1859	7 27 E.	.....	7·4 E.	29 21	.....	29·3 S.	8·57	.....		Novara.
						6·8 E.			28·6 S.				
Otaheite	17 29	210 30	1823	6 40 E.	.....	6·7 E.	30 04	.....	30·1 S.	.....	.....		Duperrey.
			1824	6 50 E.	.....	6·8 E.	29 03	.....	29·0 S.	.....	.....		Kotzebue.
			1826	7 33 E.	.....	7·5 E.	.....	.....	.....	.....	.....		Beechey.
			1830	.....	.....	.....	30 26	.....	30·4 S.	8·85	.....	8·77	Erman.
			1831	7 30 E.	.....	7·5 E.	.....	.....	.....	.....	.....		Irland.
			1835	7 34 E.	.....	7·6 E.	30 14	.....	30·2 S.	.....	.....		FitzRoy.
			1837	7 10 E.	.....	7·2 E.	.....	.....	.....	.....	.....		Bruce.
			1840	6 30 E.	.....	6·5 E.	30 18	.....	30·3 S.	8·68	.....		Belcher.
						7·1 E.			30·0 S.				
At sea (3 observations)	15 55	210 31	1859	6 51 E.	.....	6·8 E.	.....	.....	.....	.....	.....	.....	Novara.
At sea (2 observations)	15 57	210 41	1830	7 02 E.	.....	7·0 E.	.....	.....	.....	.....	.....	.....	Erman.
At sea (3 observations)	14 46	211 41	1830	6 35 E.	.....	6·6 E.	.....	.....	.....	.....	.....	.....	Erman.
At sea (2 observations)	14 43	212 06	1830	6 10 E.	.....	6·2 E.	24 23	.....	24·4 S.	8·19	.....	8·19	Erman.
At sea (4 observations)	14 25	212 12	1859	6 29 E.	.....	6·5 E.	.....	.....	.....	.....	.....	.....	Novara.
At sea (2 observations)	14 45	212 33	1830	6 19 E.	.....	6·3 E.	.....	.....	.....	.....	.....	.....	Erman.
At sea (2 observations)	15 04	213 33	1830	6 58 E.	.....	7·0 E.	24 55	.....	24·9 S.	8·46	.....	8·46	Erman.
At sea (2 observations)	14 33	214 02	1830	6 20 E.	.....	6·3 E.	.....	.....	.....	.....	.....	.....	Erman.
At sea (2 observations)	13 27	214 08	1830	5 46 E.	.....	5·8 E.	.....	.....	.....	.....	.....	.....	Erman.
At sea (2 observations)	13 53	214 19	1830	.....	.....	.....	22 57	.....	23·0 S.	8·33	.....	8·33	Erman.
At sea (2 observations)	13 02	214 21	1830	.....	.....	.....	21 19	.....	21·3 S.	8·45	.....	8·45	Erman.
At sea (2 observations)	11 58	214 30	1830	.....	.....	.....	19 23	.....	19·4 S.	8·27	.....	8·27	Erman.
At sea (7 observations)	13 37	214 31	1859	5 58 E.	.....	6·0 E.	.....	.....	.....	.....	.....	.....	Novara.
At sea (2 observations)	11 10	214 45	1830	5 09 E.	.....	5·1 E.	.....	.....	.....	.....	.....	.....	Erman.

SOUTH EQUATORIAL ZONE II.—Lat. 10° to 20° S. (continued).

Stations.	Lat. S.	Long. E.	Date.	Declination.			Inclination.			Force in British units.			Observers.
				Observed.	Correction to Epoch 1842·5.	Corrected.	Observed.	Cor. to Epoch 1842·5.	Corrected.	Observed.	Cor. to Epoch 1842·5.	Corrected.	
	° ′	° ′		° ′		°	° ′		°				
At sea (2 observations)	10 48	214 55	1830	.....	.....	.....	17 48	.....	17·8 s.	8·16	.....	8·16	Erman.
At sea (7 observations)	14 26	216 30	1859	7 12 E.	.....	7·2 E.	.....	.....	.....	.....	.....	.....	Novara.
At sea (7 observations)	13 49	217 27	1859	6 21 E.	.....	6·3 E.	.....	.....	.....	.....	.....	.....	Novara.
At sea (2 observations)	12 57	217 53	1859	6 26 E.	.....	6·4 E.	.....	.....	.....	.....	.....	.....	Novara.
Bow Island	18 05	219 07	1840	6 43 E.	.....	6·7 E.	.....	.....	.....	.....	.....	.....	Belcher.
Moller Island	17 43	219 18	1823	6 32 E.	.....	6·5 E.	.....	.....	.....	.....	.....	.....	Duperrey.
At sea (2 observations)	14 00	219 30	1859	6 05 E.	.....	6·1 E.	.....	.....	.....	.....	.....	.....	Novara.
Predpriatir Island ...	15 58	219 54	1824	5 00 E.	.....	5·0 E.	.....	.....	.....	.....	.....	.....	Kotzebue.
At sea (2 observations)	15 16	220 07	1859	6 46 E.	.....	6·8 E.	.....	.....	.....	.....	.....	.....	Novara.
Lanciers Island.....	18 30	220 52	1825	7 03 E.	.....	7·0 E.	.....	.....	.....	.....	.....	.....	Beechey.
Narcisse Island.....	17 21	221 30	1823	5 22 E.	.....	5·4 E.	.....	.....	.....	.....	.....	.....	Duperrey.
At sea (2 observations)	15 38	222 15	1859	6 20 E.	.....	6·3 E.	.....	.....	.....	.....	.....	.....	Novara.
Clermont Tonnere Isl.	18 28	223 34	1823	4 51 E.	.....	4·8 E.	.....	.....	.....	.....	.....	.....	Duperrey.
At sea (5 observations)	16 58	225 30	1859	6 44 E.	.....	6·7 E.	.....	.....	.....	.....	.....	.....	Novara.
At sea (2 observations)	19 22	227 20	1859	7 07 E.	.....	7·1 E.	.....	.....	.....	.....	.....	.....	Novara.
At sea.....	13 11	227 49	1835	6 20 E.	.....	6·3 E.	.....	.....	.....	.....	.....	.....	FitzRoy.
At sea (2 observations)	12 00	231 58	1835	5 35 E.	.....	5·6 E.	.....	.....	.....	.....	.....	.....	FitzRoy.
At sea (3 observations)	11 30	234 55	1835	5 14 E.	.....	5·2 E.	.....	.....	.....	.....	.....	.....	FitzRoy.
At sea (3 observations)	10 03	240 12	1835	5 16 E.	.....	5·3 E.	.....	.....	.....	.....	.....	.....	FitzRoy.
At sea (4 observations)	11 47	248 09	1827	5 54 E.	.....	5·9 E.	.....	.....	.....	.....	.....	.....	Lütke.
At sea.....	13 09	251 20	1827	8 05 E.	.....	8·1 E.	20 36	.....	20·6 s.	7·89	.....	7·89	Lütke.
At sea (5 observations)	11 23	257 05	1857	8 32 E.	.....	8·5 E.	.....	.....	.....	.....	.....	.....	Richards.
At sea (5 observations)	17 17	260 34	1827	9 01 E.	.....	9·0 E.	.....	.....	.....	.....	.....	.....	Lütke.
At sea (5 observations)	13 30	260 43	1857	9 49 E.	.....	9·8 E.	.....	.....	.....	.....	.....	.....	Richards.
At sea.....	17 23	261 08	1827	10 23 E.	.....	10·4 E.	.....	.....	.....	.....	.....	.....	Prussian ships.
At sea (2 observations)	15 02	263 21	1857	11 02 E.	.....	11·0 E.	.....	.....	.....	.....	.....	.....	Richards.
At sea (4 observations)	12 21	265 05	1825	10 03 E.	.....	10·0 E.	.....	.....	.....	.....	.....	.....	Prussian ships.
At sea (5 observations)	17 27	265 31	1857	11 46 E.	.....	11·8 E.	.....	.....	.....	.....	.....	.....	Richards.
At sea (17 observations)	19 07	268 07	1857	12 56 E.	.....	12·9 E.	.....	.....	.....	.....	.....	.....	Richards.
At sea (3 observations)	10 46	276 60	1830	10 33 E.	.....	10·5 E.	.....	.....	.....	.....	.....	.....	Prussian ships.
At sea.....	10 52	281 37	1836	9 02 E.	.....	9·0 E.	.....	.....	.....	.....	.....	.....	Bonite.
At sea (6 observations)	11 43	281 44	1832	10 31 E.	.....	10·5 E.	.....	.....	.....	.....	.....	.....	Prussian ships.
Huacho Pt. (3 stations)	11 12	282 24	1835	9 54 E.	.....	9·9 E.	.....	.....	.....	.....	.....	.....	FitzRoy.
At sea.....	15 43	282 38	1836	11 30 E.	.....	11·5 E.	.....	.....	.....	.....	.....	.....	Bonite.
Callao.....	12 03	282 53	1823	9 30 E.	.....	9·5 E.	8 33	.....	8·5 s.	.....	.....		Duperrey.
			1827	10 40 E.	.....	10·7 E.	.....	.....	.....	.....	.....		Prussian ships.
			1835	10 18 E.	.....	10·3 E.	7 03	.....	7·0 s.	.....	.....		FitzRoy.
			1836	10 23 E.	.....	10·4 E.	.....	.....	.....	.....	.....	7·32	Bonite.
			1838	10 44 E.	.....	10·7 E.	6 14	.....	6·2 s.	7·59	.....		Belcher.
			1838	10 17 E.	.....	10·3 E.	6 49	.....	6·8 s.	.....	.....		La Vénus.
			1866	10 30 E.	.....	10·5 E.	6 28	.....	6·5 s.	7·05	.....		Harkness.
						10·3 E.			7·0 s.				
At sea.....	13 00	283 05	1823	8 02 E.	.....	8·0 E.	8 26	.....	8·4 s.	.....	.....	.....	Duperrey.
Lima	12 04	283 07	1858	10 40 E.	.....	10·7 E.	7 10	.....	7·2 s.	7·07	.....	7·07	Friesach.
At sea.....	14 06	283 14	1823	9 33 E.	.....	9·5 E.	9 55	.....	9·9 s.	.....	.....	.....	Duperrey.
At sea.....	16 52	283 15	1823	9 16 E.	.....	9·3 E.	14 50	.....	14·8 s.	.....	.....	.....	Duperrey.
At sea.....	19 43	283 19	1823	9 47 E.	.....	9·8 E.	20 11	.....	20·2 s.	.....	.....	.....	Duperrey.
Sangallan Island	13 50	283 29	1823	9 33 E.	.....	9·5 E.	.....	.....	.....	.....	.....	.....	Duperrey.
Pisco (2 stations)	14 00	283 46	1835	10 15 E.	.....	10·2 E.	.....	.....	.....	.....	.....	.....	FitzRoy.
At sea.....	17 53	284 50	1836	11 10 E.	.....	11·2 E.	.....	.....	.....	.....	.....	.....	Bonite.
San Juan (3 stations) .	15 43	285 22	1835	10 50 E.	.....	10·8 E.	.....	.....	.....	.....	.....	.....	FitzRoy.
At sea.....	19 42	286 44	1836	10 25 E.	.....	10·4 E.	.....	.....	.....	.....	.....	.....	Bonite.
At sea (6 observations)	16 52	286 51	1829	10 38 E.	.....	10·6 E.	.....	.....	.....	.....	.....	.....	Prussian ships.
Puno, Peru	15 50	287 18	1860	10 44 E.	.....	10·7 E.	7 58	.....	8·0 s.	6·77	.....	6·77	Friesach.
Jacua, Peru	18 01	287 28	1859	11 08 E.	.....	11·1 E.	.....	.....	.....	.....	.....	.....	Friesach.
Mellends	17 02	287 53	1823	10 00 E.	.....	10·0 E.	.....	.....	.....	.....	.....	.....	Lartique.
Islay (4 stations)	17 05	288 14	1835	10 58 E.	.....	11·0 E.	.....	.....	.....	.....	.....	.....	FitzRoy.
Arequipa	16 24	288 23	1835	12 27 E.	.....	12·4 E.	10 00	.....	10·0 s.	6·75	.....	6·75	Friesach.
Ylo.....	17 36	288 35	1823	10 15 E.	.....	10·2 E.	.....	.....	.....	.....	.....	.....	Lartigue.
La Paz, Bolivia.....	16 30	288 48	1860	10 30 E.	.....	10·5 E.	8 38	.....	8·6 s.	6·71	.....	6·71	Friesach.
Arica	18 28	289 35	1827	10 45 E.	.....	10·7 E.	.....	.....	.....	.....	.....		Prussian ships.
			1835	11 00 E.	.....	11·0 E.	.....	.....	.....	.....	.....	6·85	FitzRoy.
			1858	10 53 E.	.....	10·9 E.	13 40	.....	13·7 s.	6·85	.....		Friesach.
						10·9 E.			13·7 s.				

SOUTH EQUATORIAL ZONE II.—Lat. 10° to 20° S. (continued).

Stations.	Lat. S.	Long. E.	Date.	Declination.			Inclination.			Force in British units.			Observers.
				Observed.	Correction to Epoch 1842·5.	Corrected.	Observed.	Cor. to Epoch 1842·5.	Corrected.	Observed.	Cor. to Epoch 1842·5.	Corrected.	
	° ′	° ′		° ′	° ′	°	° ′		°				
Mean of (4 stations)...	19 12	289 40	1835	11 30 E.	.....	11·5 E.	.....	.....	.....	.....	.....	.....	FitzRoy.
At sea.....	17 15	292 45	1837	4 36 W.	.....	4·6 W.	.....	.....	.....	.....	.....	.....	Bonite.
At sea.....	18 25	321 05	1843	3 10 W.	.....	3·3 W.	.....	.....	.....	.....	.....	.....	Pasley.
At sea (4 observations)	17 19	321 11	1832	1 18 W.	0 59 W.	2·3 W.	.....	.....	.....	.....	.....	.....	FitzRoy.
Abrolhos Island	17 58	321 18	1832	2 00 W.	0 59 W.	3·0 W.	.....	.....	.....	.....	.....	.....	FitzRoy.
Bahia	12 59	321 30	1832	4 18 W.	1 16 W.	5·6 W.	4 56	.....	4·9 N.	.....	.....		FitzRoy.
			1837	.....	.....	.. ...	5 35	.....	5·6 N.	.....	.....		Wickham.
			1839	.....	. ....	.....	5 01	.....	5·0 N.	6·43	.....	6·33	Sulivan.
			1842	3 30 W.	.....	3·5 W.	.....	.....	.....	.....	.....		Bérard.
			1865	7 57 W.	3 00 E.	5·0 W.	4 24	.....	4·4 N.	6·23	.....		Harkness.
						4·7 W.			5·0 N.				
At sea (5 observations)	14 48	321 30	1832	2 19 W.	1 19 W.	3·6 W.	.....	.....	.....	.....	.....	.....	FitzRoy.
At sea (4 observations)	13 23	321 32	1832	1 52 W.	1 18 W.	3·2 W.	.....	.....	.....	.....	.....	.....	FitzRoy.
At sea (4 observations)	17 36	321 32	1832	1 56 W.	1 19 W.	3·2 W.	.....	.....	.....	.....	.....	.....	FitzRoy.
At sea (4 observations)	18 01	321 39	1832	2 19 W.	1 19 W.	3·6 W.	.....	.....	.....	.....	.....	.....	FitzRoy.
At sea (3 observations)	13 12	321 43	1842	4 50 W.	.....	4·8 W.	.....	.....	.....	.....	.....	.....	Bérard.
At sea (2 observations)	15 24	322 05	1842	3 45 W.	.....	3·7 W.	.....	.....	.....	.....	.....	.....	Bérard.
At sea (5 observations)	12 46	322 18	1836	3 15 W.	0 52 W.	4·1 W.	.....	.....	.....	.....	.....	.....	FitzRoy.
At sea.....	13 36	322 20	1839	.....	.....	.....	4 22	.....	4·4 N.	6·61	.....	6·61	Sulivan.
At sea (3 observations)	15 43	322 46	1832	3 17 W.	1 18 W.	4·6 W.	.....	.....	.....	.....	.....	.....	FitzRoy.
At sea.....	18 35	323 00	1838	.....	.....	.....	.....	.....	.....	6·61	.....	6·61	Sulivan.
At sea.....	17 47	323 24	1837	7 20 W.	0 31 W.	7·8 W.	.....	.....	.....	.....	.....	.....	Du Petit Thouars.
At sea.....	15 10	323 26	1839	.....	.....	.....	1 37	.....	1·6 N.	6·50	.....	6·50	Sulivan.
At sea (2 observations)	18 50	323 26	1842	4 08 W.	.....	4·1 W.	.....	.....	.....	.....	.....	.....	Bérard.
At sea (4 observations)	17 13	323 29	1829	0 26 W.	1 40 W.	2·1 W.	.....	.....	.....	.....	.....	.....	Rumker.
At sea (2 observations)	12 49	323 37	1836	4 18 W.	0 49 W.	5·1 W.	.....	.....	.....	.....	.....	.....	FitzRoy.
At sea.....	16 00	323 42	1838	.....	.....	.....	1 25	.....	1·4 S.	6·61	.....	6·61	Sulivan.
At sea.....	17 41	323 43	1847	7 00 W.	0 34 W.	6·6 W.	.....	.....	.....	.....	.....	.....	Stanley.
At sea (3 observations)	17 35	323 47	1847	.....	.....	.....	4 17	.....	4·3 S.	6·33	.....	6·33	Rattlesnake.
At sea.....	15 44	323 58	1839	.....	.....	.....	0 22	.....	0·4 S.	6·47	.....	6·47	Sulivan.
At sea (2 observations)	16 28	324 04	1837	7 28 W.	0 42 W.	8·2 W.	.....	.....	.....	.....	.....	.....	Du Petit Thouars.
At sea (2 observations)	18 10	324 04	1832	3 02 W.	1 18 W.	4·3 W.	.....	.....	.....	.....	.....	.....	FitzRoy.
At sea.....	18 48	324 16	1836	3 41 W.	0 42 W.	4·4 W.	.....	.....	.....	.....	.....	.....	Bonite.
At sea (3 observations)	12 01	324 17	1842	8 00 W.	.....	8·0 W.	.....	.....	.....	.....	.....	.....	Bérard.
At sea.....	17 52	324 36	1839	.....	.....	.....	3 37	.....	3·6 S.	6·40	.....	6·40	Sulivan.
At sea.....	13 50	324 41	1838	.....	.....	.....	1 50	.....	1·8 N.	6·60	.....	6·60	Sulivan.
At sea (4 observations)	12 39	324 42	1829	3 23 W.	1 34 W.	5·0 W.	.....	.....	.....	.....	.....	.....	Rumker.
At sea.....	15 10	324 45	1837	7 35 W.	0 38 W.	8·2 W.	.....	.....	.....	.....	.....	.....	Du Petit Thouars.
At sea.....	19 45	324 50	1830	3 25 W.	1 27 W.	4·9 W.	.....	.....	.....	.....	.....	.....	Erman.
At sea (3 observations)	17 48	324 52	1826	3 11 W.	1 55 W.	5·1 W.	.....	.....	.....	.....	.....	.....	Lütke.
At sea.....	18 59	324 52	1830	4 39 W.	1 27 W.	6·1 W.	7 25	.....	7·4 S.	5·86	.....	5·86	Erman.
At sea.....	19 36	324 56	1830	4 06 W.	1 27 W.	5·5 W.	7 40	.....	7·7 S.	5·82	.....	5·82	Erman.
At sea (2 observations)	18 14	325 01	1829	1 34 W.	1 30 W.	3·1 W.	.....	.....	.....	.....	.....	.....	Prussian ships.
At sea.....	19 56	325 05	1839	.....	.....	.....	7 07	.....	7·1 S.	6·30	.....	6·30	Sulivan.
At sea.....	18 30	325 09	1830	4 28 W.	1 45 W.	6·2 W.	.....	.....	.....	.....	.....	.....	Erman.
At sea (2 observations)	18 00	325 18	1830	4 40 W.	1 45 W.	6·4 W.	.....	.....	.....	.....	.....	... ..	Prussian ships.
At sea (3 observations)	14 52	325 25	1847	8 13 W.	0 24 E.	7·8 W.	0 35	.....	0·6 S.	6·37	.....	6·37	Rattlesnake.
At sea.....	16 48	325 41	1836	4 56 W.	0 45 W.	5·7 W.	.....	.....	.....	.....	.....	.....	Bonite.
At sea.....	10 08	325 42	1838	.....	.....	.....	10 50	... ..	10·8 N.	6·82	.....	6·82	Sulivan.
At sea.....	17 32	325 48	1830	4 31 W.	1 27 W.	6·0 W.	4 34	.....	4·6 S.	5·73	.....	5·73	Erman.
At sea.....	11 55	325 50	1837	8 12 W.	0 38 W.	8·8 W.	.....	.....	.....	.....	.....	.....	Du Petit Thouars.
At sea.....	16 45	326 02	1830	5 15 W.	1 27 W.	6·7 W.	.....	.....	.....	.....	.....	.....	Erman.
At sea (2 observations)	16 07	326 26	1830	.....	.....	.....	2 00	.....	2·0 S.	5·89	.....	5·89	Erman.
At sea.....	14 59	326 40	1830	6 50 W.	1 27 W.	8·3 W.	0 27	.....	0·4 N.	6·12	.....	6·12	Erman.
At sea.....	15 12	326 51	1836	6 45 W.	0 45 W.	7·5 W.	.....	.....	.....	.....	.....	.....	Bonite.
At sea (4 observations)	13 43	327 00	1823	4 55 W.	2 16 W.	7·2 W.	.....	.....	.....	.....	.....	.....	Prussian ships.
At sea (3 observations)	12 23	327 01	1826	5 24 W.	1 55 W.	7·3 W.	.....	.....	.....	.....	.....	.....	Lütke.
At sea.....	14 24	327 01	1830	6 08 W.	1 27 W.	7·6 W.	1 30	.....	1·5 N.	6·26	.....	6·26	Erman.
At sea.....	13 22	327 15	1830	6 43 W.	1 27 W.	8·2 W.	3 20	.....	3·3 N.	5·93	.....	5·93	Erman.
At sea.....	12 38	327 36	1830	7 16 W.	1 27 W.	8·7 W.	.....	.....	.....	.....	.....	.....	Erman.
At sea (3 observations)	12 38	327 36	1847	9 56 W.	0 31 E.	9·4 W.	.....	.....	.....	.....	.....	.....	Stanley.
At sea.....	11 44	327 39	1830	7 25 W.	1 27 W.	8·9 W.	.....	.....	.....	.....	.....	.....	Erman.
At sea.....	11 31	327 41	1830	.....	.....	.....	6 30	.....	6·5 N.	.....	.....	.....	Erman.

SOUTH EQUATORIAL ZONE II.—Lat. 10° to 20° S. (continued).

Stations.	Lat. S.	Long. E.	Date.	Declination.			Inclination.			Force in British units.			Observers.
				Observed.	Correction to Epoch 1842·5.	Corrected.	Observed.	Cor. to Epoch 1842·5.	Corrected.	Observed.	Cor. to Epoch 1842·5.	Corrected.	
	° ′	° ′		° ′	° ′	°	° ′		°				
At sea (3 observations)	12 40	327 43	1847	.....	.....	.....	3 06	.....	3·1 N.	6·37	.....	6·37	Rattlesnake.
At sea	10 49	327 45	1842	10 45 W.	.....	10·7 W.	.....	.....	.....	.....	.....	.....	Bérard.
At sea	10 58	327 52	1830	7 11 W.	1 27 W.	8·6 W.	.....	.....	.....	.....	.....	.....	Erman.
At sea	12 48	327 58	1847	9 01 W.	0 31 E.	8·5 W.	.....	.....	.....	.....	.....	.....	Stanley.
At sea (4 observations)	13 09	327 59	1828	5 25 W.	1 42 W.	7·1 W.	.....	.....	.....	.....	.....	.....	Prussian ships.
At sea (2 observations)	16 08	328 13	1833	4 54 W.	1 15 W.	6·1 W.	.....	.....	.....	.....	.....	.....	Prussian ships.
At sea	11 03	328 22	1839	.....	.....	.....	.....	.....	.....	6·38	.....	6·38	Erebus.
At sea	13 15	328 34	1836	8 06 W.	0 45 W.	8·8 W.	.....	.....	.....	.....	.....	.....	Bonite.
At sea	12 32	328 57	1839	.....	.....	.....	.....	.....	.....	6·29	.....	6·29	Erebus.
At sea	12 28	329 00	1839	8 25 W.	0 24 W.	8·8 W.	.....	.....	.....	.....	.....	.....	Ross.
At sea	18 11	329 06	1846	9 11 W.	0 24 E.	8·8 W.	.....	.....	.....	.....	.....	.....	Sulivan.
At sea	12 29	329 08	1846	9 13 W.	0 24 E.	8·8 W.	.....	.....	.....	.....	.....	.....	Sulivan.
At sea (2 observations)	12 37	329 10	1833	7 30 W.	1 15 W.	8·7 W.	.....	.....	.....	.....	.....	.....	Prussian ships.
At sea	15 35	329 16	1846	8 31 W.	0 24 E.	8·1 W.	.....	.....	.....	.....	.....	.....	Sulivan.
At sea	17 20	329 16	1846	9 01 W.	0 24 E.	8·6 W.	.....	.....	.....	.....	.....	.....	Sulivan.
At sea	14 17	329 19	1846	9 00 W.	0 24 E.	8·6 W.	.....	.....	.....	.....	.....	.....	Sulivan.
At sea	10 15	329 25	1847	12 28 W.	0 31 E.	12·0 W.	.....	.....	.....	.....	.....	.....	Stanley.
At sea (2 observations)	13 42	329 26	1839	8 29 W.	0 24 W.	8·9 W.	.....	.....	.....	.....	.....	.....	Ross.
At sea	14 00	329 28	1839	.....	.....	.....	.....	.....	.....	6·16	.....	6·16	Erebus.
At sea	14 55	329 53	1839	8 33 W.	0 24 W.	9·0 W.	.....	.....	.....	.....	.....	.....	Ross.
At sea	19 02	329 58	1846	8 58 W.	0 21 E.	8·6 W.	.....	.....	.....	.....	.....	.....	Sulivan.
At sea	15 04	330 06	1839	.....	.....	.....	.....	.....	.....	6·16	.....	6·16	Erebus.
At sea (3 observations)	14 00	330 17	1842	.....	.....	.....	0 12	.....	0·2 N.	6·50	.....	6·50	H.M.S. 'Fly.'
At sea (3 observations)	15 45	330 20	1842	.....	.....	.....	3 13	.....	3·2 S.	6·41	.....	6·41	H.M.S. 'Fly.'
At sea	11 46	330 27	1836	8 00 W.	0 45 W.	8·7 W.	.....	.....	.....	.....	.....	.....	Bonite.
At sea	16 52	330 27	1839	.....	.....	.....	.....	.....	.....	6·12	.....	6·12	Erebus.
At sea	16 57	330 30	1839	9 09 W.	0 24 W.	9·5 W.	.....	.....	.....	.....	.....	.....	Ross.
At sea (3 observations)	18 10	330 33	1842	.....	.....	.....	6 58	.....	7·0 S.	6·30	.....	6·30	H.M.S. 'Fly.'
At sea	18 02	330 36	1839	9 28 W.	0 24 W.	9·9 W.	.....	.....	.....	.....	.....	.....	Erebus.
At sea	19 07	330 42	1839	9 48 W.	0 24 W.	10·2 W.	.....	.....	.....	.....	.....	.....	Ross.
At sea	19 01	330 45	1839	.....	.....	.....	.....	.....	.....	6·10	.....	6·10	Erebus.
At sea (3 observations)	11 30	330 48	1842	... ..	.....	.....	4 40	.....	4·7 N.	6·51	.....	6·51	H.M.S. 'Fly.'
At sea (2 observations)	12 08	330 55	1836	8 43 W.	0 45 W.	8·5 W.	.....	.....	.....	.....	.....	.....	FitzRoy.
At sea	12 08	331 05	1836	8 40 W.	0 45 W.	9·4 W.	.....	.....	.....	.....	.....	.....	FitzRoy.
At sea	10 05	331 48	1836	9 24 W.	0 45 W.	10·1 W.	.....	.....	.....	.....	.....	.....	Bonite.
At sea (3 observations)	17 52	332 07	1826	7 18 W.	1 39 W.	9·0 W.	.....	.....	.....	.....	.....	.....	Dumont d'Urville.
At sea	19 47	332 45	1831	.....	.....	.....	10 13	.....	10·2 S.	6·44	.....	6·44	Dunlop.
At sea	18 09	332 48	1831	.....	.....	.....	7 10	.....	7·2 S.	6·29	.....	6·29	Dunlop.
At sea (2 observations)	11 47	333 06	1859	14 28 W.	1 55 E.	12·5 W.	.....	.....	.....	.....	.....	.....	Novara.
At sea	16 12	333 10	1831	.....	.....	.....	4 02	.....	4·0 S.	6·59	.....	6·59	Dunlop.
At sea	19 22	333 37	1859	13 52 W.	1 55 E.	12·0 W.	.....	.....	.....	.....	.....	.....	Novara.
At sea	14 31	334 30	1831	.....	.....	.....	1 05	.....	1·1 S.	6·52	.....	6·52	Dunlop.
At sea (2 observations)	18 44	335 34	1850	.....	.....	.....	9 29	.....	9·5 S.	6·54	.....	6·54	Rattlesnake.
At sea (2 observations)	15 59	336 00	1850	.....	.....	.....	4 58	.....	5·0 S.	6·45	.....	6·45	Rattlesnake.
At sea	12 51	336 10	1831	.....	.....	.....	0 35	.....	0·6 N.	6·59	.....	6·59	Dunlop.
At sea (2 observations)	14 20	336 14	1850	.....	.....	.....	1 34	.....	1·6 S.	6·60	.....	6·60	Rattlesnake.
At sea	11 25	336 37	1836	13 06 W.	0 52 W.	14·0 W.	.....	.....	.....	.....	.....	.....	FitzRoy.
At sea	10 12	337 42	1831	.....	.....	.....	1 38	.....	1·6 N.	6·52	.....	6·52	Dunlop.
At sea	10 06	340 27	1842	15 23 W.	.....	15·4 W.	.....	.....	.....	.....	.....	.....	Jehenne.
At sea	10 07	341 02	1836	15 57 W.	0 52 W.	16·8 W.	.....	.....	.....	.....	.....	.....	FitzRoy.
At sea	11 10	342 37	1842	16 00 W.	.....	16·0 W.	.....	.....	.....	.....	.....	.....	Jehenne.
At sea (4 observations)	11 38	343 46	1842	17 10 W.	.....	17·2 W.	.....	.....	.....	.....	.....	.....	Jehenne.
At sea	11 59	344 09	1846	20 58 W.	0 28 E.	20·5 W.	.....	.....	.....	.....	.....	.....	Bérard.
At sea	12 09	345 01	1842	17 36 W.	.....	17·6 W.	.....	.....	.....	.....	.....	.....	Jehenne.
At sea	19 20	345 44	1840	18 44 W.	0 12 W.	18·9 W.	.....	.....	.....	.....	.....	.....	Ross.
At sea	19 12	345 45	1840	.....	.....	.....	.....	.....	.....	6·11	.....	6·11	Terror.
At sea	18 53	345 46	1840	.....	.....	.....	.....	.....	.....	6·12	.....	6·12	Erebus.
At sea	18 43	346 00	1840	17 46 W.	0 13 W.	18·0 W.	.....	.....	.....	.....	.....	.....	Ross.
At sea	17 44	346 10	1840	.....	.. ...	.....	.....	.....	.....	6·12	.....	6·12	Terror.
At sea	17 30	346 15	1840	.....	.....	.....	.....	.....	.....	6·14	.....	6·14	Erebus.
At sea	17 37	346 23	1840	19 26 W.	0 13 W.	19·6 W.	.....	.....	.....	.....	.....	.....	Ross.
At sea	17 23	346 29	1840	.....	.....	.....	.....	.....	.....	6·11	.....	6·11	Terror.

SOUTH EQUATORIAL ZONE II.—Lat. 10° to 20° S. (continued).

Stations.	Lat. S.	Long. E.	Date.	Declination.			Inclination.			Force in British units.			Observers.
				Observed.	Correction to Epoch 1842·5.	Corrected.	Observed.	Cor. to Epoch 1842·5.	Corrected.	Observed.	Cor. to Epoch 1842·5.	Corrected.	
	° ′	° ′		° ′	° ′	°	° ′		°				
At sea	17 11	346 40	1840	.....	.....	.....	.....	.....	.....	6·12	.....	.....	Erebus.
At sea	17 08	346 43	1840	20 12 w.	0 13 w.	20·4 w.	.....	.....	.....	.....	.....	.....	Ross.
At sea	13 07	347 00	1842	19 41 w.	.....	19·7 w.	.....	.....	.....	.....	.....	.....	Jehenne.
At sea	16 43	347 02	1840	.....	.....	.....	.....	.....	.....	6·09	.....	.....	Terror.
At sea	16 41	347 07	1840	19 32 w.	0 15 w.	19·8 w.	.....	.....	.....	.....	.....	.....	Ross.
At sea	16 30	347 17	1840	.....	.....	.....	.....	.....	.....	6·11	.....	.....	Erebus.
At sea	16 22	347 25	1840	18 18 w.	0 15 w.	18·5 w.	.....	.....	.....	.....	.....	.....	Ross.
At sea	15 25	347 50	1840	.....	.....	.....	.....	.....	.....	6·12	.....	.....	Terror.
At sea	10 34	347 54	1837	18 05 w.	0 44 w.	18·8 w.	.....	.....	.....	.....	.....	.....	Bonite.
At sea	15 22	347 58	1840	20 52 w.	0 17 w.	21·1 w.	.....	.....	.....	.....	.....	.....	Ross.
At sea	15 30	347 58	1840	.....	.....	.....	.....	.....	.....	6·15	.....	.....	Terror.
At sea	15 15	348 01	1840	.....	.....	.....	.....	.....	.....	6·15	.....	.....	Erebus.
At sea	15 24	348 06	1840	20 40 w.	0 17 w.	21·0 w.	.....	.....	.....	.....	.....	.....	Ross.
At sea	15 20	348 07	1840	.....	.....	.....	.....	.....	.....	6·09	.....	.....	Erebus.
At sea	15 49	348 09	1840	.....	.....	.....	.....	.....	.....	6·11	.....	.....	Erebus.
At sea	15 41	348 09	1840	.....	.....	.....	.....	.....	.....	6·34	.....	.....	Terror.
At sea	15 31	348 15	1840	20 16 w.	0 17 w.	20·5 w.	.....	.....	.....	.....	.....	.....	Ross.
At sea	15 44	348 15	1840	19 10 w.	0 17 w.	19·4 w.	.....	.....	.....	.....	.....	.....	Ross.
At sea	15 37	348 27	1840	19 11 w.	0 17 w.	19·5 w.	.....	.....	.....	.....	.....	.....	Ross.
At sea	15 37	348 32	1840	.....	.....	.....	.....	.....	.....	6·12	.....	.....	Terror.
At sea	15 40	348 35	1840	18 56 w.	0 17 w.	19·2 w.	.....	.....	.....	.....	.....	.....	Ross.
At sea	15 30	348 51	1840	.....	.....	.....	.....	.....	.....	6·07	.....	.....	Erebus.
At sea (4 observations)	11 12	348 54	1851	21 52 w.	1 30 E.	20·4 w.	.....	.....	.....	.....	.....	.....	Kellett.
At sea (3 observations)	12 13	349 16	1832	19 14 w.	1 24 w.	20·6 w.	.....	.....	.....	.....	.....	.....	Prussian ships.
At sea (3 observations)	11 57	348 56	1846	.....	.....	.....	11 43 s.	.....	11·7 s.	6·26	.....	.....	H.M.S. 'Fly.'
At sea	14 45	349 22	1840	.....	.....	.....	.....	.....	.....	6·13	.....	.....	Terror.
At sea	10 47	349 31	1825	18 40 w.	2 20 w.	21·0 w.	3 04 s.	.....	3·1 s.	.....	.....	.....	Duperrey.
At sea	11 22	349 32	1839	20 14 w.	0 28 w.	20·7 w.	.....	.....	.....	.....	.....	.....	Du Petit Thouars.
At sea	14 33	349 37	1840	.....	.....	.....	.....	.....	.....	6·11	.....	.....	Erebus.
At sea	12 25	349 42	1837	18 40 w.	0 44 w.	19·4 w.	.....	.....	.....	.....	.....	.....	Bonite.
At sea	14 22	349 54	1840	19 31 w.	0 17 w.	19·8 w.	.....	.....	.....	.....	.....	.....	Ross.
At sea (3 observations)	12 53	350 08	1829	20 39 w.	1 34 w.	22·2 w.	.....	.....	.....	.....	.....	.....	Lütke.
At sea	14 28	350 19	1840	.....	.....	.....	.....	.....	.....	6·21	.....	.....	Terror.
At sea	13 44	350 20	1840	.....	.....	.....	.....	.....	.....	6·20	.....	.....	Terror.
At sea	14 26	350 21	1840	.....	.....	.....	.....	.....	.....	6·19	.....	.....	Terror.
At sea	14 54	350 25	1840	.....	.....	.....	.....	.....	.....	6·27	.....	.....	Terror.
At sea	14 53	350 26	1840	.....	.....	.....	.....	.....	.....	6·11	.....	.....	Terror.
At sea	14 08	350 28	1840	.....	.....	.....	.....	.....	.....	6·26	.....	.....	Terror.
At sea	14 11	350 28	1840	21 24 w.	0 15 w.	21·6 w.	.....	.....	.....	.....	.....	.....	Ross.
At sea	14 38	350 30	1840	21 33 w.	0 15 w.	21·8 w.	.....	.....	.....	.....	.....	.....	Ross.
At sea	14 51	350 31	1840	.....	.....	.....	.....	.....	.....	6·11	.....	.....	Erebus.
At sea	13 37	350 33	1840	.....	.....	.....	.....	.....	.....	6·16	.....	.....	Erebus.
At sea	14 19	350 33	1840	.....	.....	.....	.....	.....	.....	6·09	.....	.....	Erebus.
At sea	13 02	350 53	1836	19 56 w.	0 39 w.	20·6 w.	.....	.....	.....	.....	.....	.....	FitzRoy.
At sea (3 observations)	13 32	351 00	1846	.....	.....	.....	16 14 s.	.....	16·2 s.	6·17	.....	.....	H.M.S. 'Fly.'
At sea	12 40	351 05	1839	21 16 w.	0 21 w.	21·6 w.	.....	.....	.....	.....	.....	.....	Du Petit Thouars.
At sea	13 06	351 11	1825	18 45 w.	1 45 w.	20·5 w.	8 47 s.	.....	8 8 s.	.....	.....	.....	Duperrey.
At sea (7 observations)	14 14	351 19	1840	21 13 w.	0 15 w.	21·5 w.	.....	.....	.....	.....	.....	.....	Ross.
At sea	14 08	351 31	1840	.....	.....	.....	.....	.....	.....	6·18	.....	.....	Erebus.
At sea	14 08	351 32	1840	21 32 w.	0 15 w.	21·8 w.	.....	.....	.....	.....	.....	.....	Ross.
At sea	14 55	351 52	1840	.....	.....	.....	.....	.....	.....	6·21	.....	.....	Terror.
At sea	14 19	351 53	1840	.....	.....	.....	.....	.....	.....	6·26	.....	.....	Terror.
At sea	14 36	351 53	1840	21 08 w.	0 15 w.	21·4 w.	.....	.....	.....	.....	.....	.....	Ross.
At sea	15 03	351 54	1840	.....	.....	.....	.....	.....	.....	6·18	.....	.....	Erebus.
At sea	14 26	351 57	1840	.....	.....	.....	.....	.....	.....	6·18	.....	.....	Erebus.
At sea	15 04	351 57	1840	21 10 w.	0 15 w.	21·4 w.	.....	.....	.....	.....	.....	.....	Ross.
At sea (5 observations)	13 34	351 59	1839	21 47 w.	0 21 w.	22·1 w.	.....	.....	.....	.....	.....	.....	Du Petit Thouars.
At sea	13 36	352 00	1840	.....	.....	.....	.....	.....	.....	6·25	.....	.....	Terror.
At sea	14 11	352 00	1840	21 06 w.	0 15 w.	21·3 w.	.....	.....	.....	.....	.....	.....	Ross.
At sea	13 43	352 01	1840	.....	.....	.....	.....	.....	.....	6·16	.....	.....	Erebus.
At sea	13 34	352 02	1840	22 09 w.	0 15 w.	22·4 w.	.....	.....	.....	.....	.....	.....	Ross.
At sea	15 14	352 03	1840	.....	.....	.....	.....	.....	.....	6·22	.....	.....	Terror.

SOUTH EQUATORIAL ZONE II.—Lat. 10° to 20° S. (continued).

Stations.	Lat. S.	Long. E.	Date.	Declination.			Inclination.			Force in British units.			Observers.
				Observed.	Correction to Epoch 1842·5.	Corrected.	Observed.	Cor. to Epoch 1842·5.	Corrected.	Observed.	Cor. to Epoch 1842·5.	Corrected.	
	° ′	° ′		° ′		°	° ′		°				
At sea	15 23	352 06	1840	.....	.....	.....	.....	.....	.....	6·13	.....	.....	Erebus.
At sea (2 observations)	13 42	352 12	1836	19 52 w.	0 39 w.	20·5 w.	.....	.....	.....	.....	.....	.....	Prussian ships.
At sea	15 26	352 20	1840	21 39 w.	0 15 w.	21·9 w.	.....	.....	.....	.....	.....	.....	Ross.
At sea	15 27	352 30	1840	21 27 w.	0 15 w.	21·7 w.	.....	.....	.....	.....	.....	.....	Ross.
At sea (4 observations)	14 31	352 31	1851	23 16 w.	1 10 e.	22·1 w.	.....	.....	.....	.....	.....	.....	Kellett.
At sea	15 11	352 32	1840	.....	.....	.....	.....	.....	.....	6·18	.....	.....	Terror.
At sea	15 13	352 33	1840	.....	.....	.....	.....	.....	.....	6·28	.....	.....	Terror.
At sea	15 17	352 35	1840	.....	.....	.....	.....	.....	.....	6·14	.....	.....	Erebus.
At sea	14 30	352 40	1836	19 50 w.	0 39 w.	19·5 w.	.....	.....	.....	.....	.....	.....	FitzRoy.
At sea	18 53	352 45	1840	.....	.....	.....	.....	.....	.....	6·19	.....	.....	Erebus.
At sea	14 28	352 52	1839	22 18 w.	0 21 w.	22·6 w.	.....	.....	.....	.....	.....	.....	Du Petit Thouars.
At sea	18 33	352 52	1840	.....	.....	.....	.....	.....	.....	6·16	.....	.....	Terror.
At sea	18 29	352 55	1840	23 11 w.	0 15 w.	23·4 w.	.....	.....	.....	.....	.....	.....	Ross.
At sea (3 observations)	15 00	352 58	1846	.....	.....	.....	19 53 s.	.....	19·9 s.	6·10	.....	.....	H.M.S. 'Fly.'
At sea (8 observations)	16 14	353 00	1840	21 52 w.	0 15 w.	22·1 w.	.....	.....	.....	.....	.....	.....	Ross.
At sea	15 19	353 06	1840	.....	.....	.....	.....	.....	.....	6·26	.....	.....	Terror.
At sea	15 20	353 07	1840	.....	.....	.....	.....	.....	.....	6·21	.....	.....	Terror.
At sea	15 19	353 13	1840	.....	.....	.....	.....	.....	.....	6·14	.....	.....	Erebus.
At sea	17 38	353 19	1840	21 37 w.	0 15 w.	21·9 w.	.....	.....	.....	.....	.....	.....	Ross.
At sea	15 15	353 21	1840	21 29 w.	0 15 w.	21·7 w.	.....	.....	.....	.....	.....	.....	Ross.
At sea	17 26	353 28	1840	.....	.....	.....	.....	.....	.....	6·16	.....	.....	Terror.
At sea	17 10	353 33	1840	20 54 w.	0 15 w.	21·1 w.	.....	.....	.....	.....	.....	.....	Ross.
At sea	17 14	353 33	1840	.....	.....	.....	.....	.....	.....	6·15	.....	.....	Terror.
At sea	15 00	353 36	1840	.....	.....	.....	.....	.....	.....	6·12	.....	.....	Terror.
At sea	15 02	353 36	1840	.....	.....	.....	.....	.....	.....	6·17	.....	.....	Terror.
At sea	15 07	353 44	1840	.....	.....	.....	.....	.....	.....	6·21	.....	.....	Erebus.
At sea	15 10	354 05	1840	.....	.....	.....	.....	.....	.....	6·26	.....	.....	Terror.
At sea	15 21	354 07	1840	23 27 w.	0 15 w.	23·7 w.	.....	.....	.....	.....	.....	.....	Ross.
At sea	15 05	354 08	1840	.....	.....	.....	.....	.....	.....	6·18	.....	.....	Erebus.
St. Helena Observatory, Longwood*	15 55	354 17	1840	22 53 w.	.....	23·2 w.	.....	.....	21·6 s.	6·08	.....	.....	Ross.
			1840	.....	.....		21 15 s.	.....		.....	.....	.....	Observatory.
			1841	22 58 w.	.....		21 26 s.	.....		.....	.....	.....	Observatory.
			1842	23 05 w.	.....		21 25 s.	.....		.....	.....	.....	Observatory.
			1843	23 14 w.	.....		21 45 s.	.....		.....	.....	.....	Observatory.
			1844	23 20 w.	.....		21 56 s.	.....		.....	.....	.....	Observatory.
			1845	23 27 w.	.....		21 55 s.	.....		.....	.....	.....	Observatory.
			1846	.....	.....	.....	22 14 s.	.....	.....	.....	.....	.....	Observatory.
			1847	.....	.....	.....	22 37 s.	.....	.....	.....	.....	.....	Observatory.
			1848	.....	.....	.....	22 49 s.	.....	.....	.....	.....	.....	Observatory.
Sister's Walk, St. Helena	15 55	354 18	1840	.....	.....	.....	.....	.....	.....	6·28	.....	.....	Crozier.
			1840	.....	.....	.....	18 21 s.	.....	.....	6·28	.....	.....	Ross.
			1842	.....	.....	.....	17 01 s.	.....	.....	.....	.....	.....	Belcher.
			1846	.....	.....	.....	19 23 s.	.....	.....	6·29	.....	.....	Smythe.
Anchorage, St. Helena	15 55	354 17	1836	18 00 w.	.....	.....	.....	.....	.....	.....	.....	.....	FitzRoy.
			1839	22 17 w.	.....	.....	17 55 s.	.....	.....	.....	.....	.....	Du Petit Thouars.
			1846	23 11 w.	.....	.....	.....	.....	.....	.....	.....	.....	Bérard.
At sea	15 40	354 19	1840	.....	.....	.....	.....	.....	.....	6·13	.....	.....	Terror.
At sea	15 57	354 26	1836	19 43 w.	0 32 w.	20·2 w.	.....	.....	.....	.....	.....	.....	FitzRoy.
At sea (3 observations)	16 08	354 39	1846	.....	.....	.....	22 05 s.	.....	22·1 s.	6·16	.....	.....	H.M.S. 'Fly.'
At sea	16 27	355 24	1842	24 03 w.	.....	24·0 w.	.....	.....	.....	.....	.....	.....	Jehenne.
At sea (3 observations)	19 32	355 51	1846	22 46 w.	0 17 e.	22·5 w.	.....	.....	.....	.....	.....	.....	Bérard.
At sea (5 observations)	18 01	356 10	1846	23 38 w.	0 17 e.	23·3 w.	.....	.....	.....	.....	.....	.....	Bérard.
At sea (2 observations)	17 40	356 20	1842	24 39 w.	.....	24·6 w.	.....	.....	.....	.....	.....	.....	Jehenne.
At sea (3 observations)	17 11	356 16	1846	.....	.....	.....	24 06 s.	.....	24·1 s.	6·17	.....	.....	H.M.S. 'Fly.'
At sea (3 observations)	17 33	356 21	1834	20 17 w.	0 42 w.	21·0 w.	.....	.....	.....	.....	.....	.....	Prussian ships.
At sea (8 observations)	17 12	356 22	1851	24 53 w.	1 05 e.	23·8 w.	.....	.....	.....	.....	.....	.....	Kellett.
At sea (3 observations)	17 13	356 24	1846	23 50 w.	0 18 e.	23·5 w.	.....	.....	.....	.....	.....	.....	Bérard.
At sea	17 04	356 32	1837	22 28 w.	0 27 w.	22·9 w.	.....	.....	.....	.....	.....	.....	Bonite.
At sea (3 observations)	18 19	357 08	1829	23 09 w.	1 08 w.	24·3 w.	.....	.....	.....	.....	.....	.....	Lütke.
At sea	18 52	357 15	1842	25 15 w.	.....	25·3 w.	.....	.....	.....	.....	.....	.....	Jehenne.
At sea (3 observations)	18 01	357 30	1829	20 36 w.	1 08 w.	21·7 w.	.....	.....	.....	.....	.....	.....	Prussian ships.
At sea (3 observations)	18 20	358 14	1846	.....	.....	.....	27 02 s.	.....	27·0 s.	6·28	.....	.....	H.M.S. 'Fly.'

* The observations at St. Helena and the adjacent anchorage being so much affected by local attraction, the only data entered in the Map are those obtained at the Observatory, the site of which (Longwood) was carefully decided on as the least objectionable place.

SOUTH EQUATORIAL ZONE III.—LATITUDE 20° TO 30° S.

Authorities.

Bonite	Voyage de la Bonite (Paris, 1842).
FitzRoy	Voyage of the 'Beagle,' 1849.
Du Petit Thouars	Sabine in Philosophical Transactions, 1849.
Moore, Clerk, Dayman, Sulivan, Dunlop, Pagoda, Erebus, Terror	Contributions to Terrestrial Magnetism (Sabine in Phil. Trans. 1840).
La Vénus	Voyage de la Vénus (Paris, 1841).
Bérard	MSS. received from Admiral Duperrey.
Blosseville	Schlagintweit, Sci. Mission to India and High Asia (Leipzig and London, 1861).
Novara (Austrian Frigate)	Reise um die Erde (Wien, 1862–65).
Denham	MSS. in the Magnetic Office, Kew Observatory, received from the Hydrographic Office.
Belcher	MS. in the Mag. Office, and Contrib. to Terr. Mag. (Sabine in Phil. Trans. 1840).
Erman	Reise um die Erde (Berlin, 1841).
Prussian Ships, Jehenne, Duperrey, Owen, Burchell, Dumont d'Urville, Young, King, Laplace, Rumker, Foster, Biscoe, Lütke	L. S. Kämtz, MSS. in the Magnetic Office, Kew Observatory.
Friesach	Mem. Imp. Acad. of Sciences, Vienna, vols. xxix. to xliv.
Beechey	Contributions to Terrestrial Magnetism (Sabine in Phil. Trans. 1840).
Helmreicher	Sabine in Phil. Trans. 1849, and L. S. Kämtz, MS.
Harkness	Smithsonian Contrib. vol. xviii.
Stanley	Sabine in Phil. Trans. 1849.
Pasley	Sabine in Phil. Trans. 1849.
Kellett	MSS. in the Magnetic Office, Kew Observatory, received from Admiral Kellett.
Ross	Sabine in Phil. Trans. 1849.
Rattlesnake	MSS. in the Hydrographic Office.
H.M.S. 'Fly'	MSS. in the Hydrographic Office.
H.M.S. 'Hecate'	MSS. in the Hydrographic Office.
H.M.S. 'Nassau'	MSS. in the Hydrographic Office.
Richards	H.M.S. 'Plumper;' MSS. in the Hydrographic Office.

SOUTH EQUATORIAL ZONE III.—Lat. 20° to 30° S.

Stations.	Lat. S.	Long. E.	Date.	Declination.			Inclination.			Force in British units.			Observers.
				Observed.	Correction to Epoch 1842·5.	Corrected.	Observed.	Cor. to Epoch 1842·5.	Corrected.	Observed.	Cor. to Epoch 1842·5.	Corrected.	
	° ′	° ′		° ′	° ′	°	° ′		°				
At sea (4 observations)	21 16	0 28	1851	25 18 w.	0 50 E.	24·5 w.	.....	.....	.....	.....	.....	.....	Kellett.
At sea (3 observations)	21 50	0 59	1829	23 10 w.	1 12 w.	24·4 w.	.....	.....	.....	.....	.....	.....	Prussian ships.
At sea (3 observations)	22 25	2 07	1829	23 57 w.	1 12 w.	25·1 w.	.....	.....	.....	.....	.....	.....	Lütke.
At sea.....	20 51	2 38	1839	25 27 w.	0 14 w.	25·7 w.	.....	.....	.....	.....	.....	.....	Du Petit Thouars.
At sea (4 observations)	24 10	2 58	1851	26 06 w.	0 40 E.	25·4 w.	.....	.....	.....	.....	.....	.....	Kellett.
At sea (3 observations)	21 30	3 00	1846	.....	.....	.....	34 39 s.	.....	34·6 s.	6·34	.....	6·34	H.M.S. 'Fly.'
At sea (4 observations)	23 04	4 36	1829	24 08 w.	1 12 w.	25·3 w.	.....	.....	.....	.....	.....	.....	Prussian ships.
At sea (2 observations)	22 37	4 51	1836	24 11 w.	0 27 w.	24·6 w.	.....	.....	.....	.....	.....	.....	FitzRoy.
At sea (6 observations)	26 03	5 30	1851	26 50 w.	0 40 E.	26·2 w.	.....	.....	.....	.....	.....	.....	Kellett.
At sea (3 observations)	23 35	5 35	1846	.....	.....	.....	38 53 s.	.....	38·9 s.	6·56	.....	6·56	H.M.S. 'Fly.'
At sea (3 observations)	26 55	6 03	1829	25 45 w.	1 12 w.	27·0 w.	.....	.....	.....	.....	.....	.....	Lütke.
At sea.....	25 54	7 28	1839	26 28 w.	0 27 w.	26·9 w.	.....	.....	.....	.....	.....	.....	Du Petit Thouars.
At sea (3 observations)	25 09	7 30	1846	.....	.....	.....	42 16 s.	.....	42·3 s.	6·58	.....	6·58	H.M.S. 'Fly.'
At sea.....	26 35	7 33	1839	26 28 w.	0 27 w.	26·9 w.	.....	.....	.....	.....	.....	.....	Du Petit Thouars.
At sea.....	27 35	8 05	1842	28 00 w.	0 02 w.	28·0 w.	.....	.....	.....	.....	.....	.....	Jehenne.
At sea (2 observations)	27 49	8 19	1832	27 03 w.	0 42 w.	27·7 w.	.....	.....	.....	.....	.....	.....	Prussian ships.
At sea.....	27 23	8 32	1839	27 08 w.	0 14 w.	27·4 w.	.....	.....	.....	.....	.....	.....	Du Petit Thouars.
At sea (4 observations)	27 21	8 38	1839	26 44 w.	0 14 w.	27·0 w.	.....	.....	.....	.....	.....	.....	Du Petit Thouars.
At sea.....	29 02	9 18	1824	25 30 w.	1 14 w.	26·7 w.	41 17 s.	.....	41·3 s.	.....	.....	.....	Duperrey.
At sea (3 observations)	29 05	9 47	1851	27 43 w.	0 20 E.	27·4 w.	.....	.....	.....	.....	.....	.....	Kellett.
At sea.....	27 48	9 55	1837	26 06 w.	0 22 w.	26·5 w.	.....	.. ...	.....	.....	.....	.....	Bonite.
At sea (3 observations)	26 52	9 56	1846	.....	.....	.....	45 07 s.	.....	45·1 s.	6·83	.....	6·83	H.M.S. 'Fly.'
At sea.....	24 31	10 34	1837	25 11 w.	0 22 w.	25·5 w.	.....	.....	.....	.....	.....	.....	Bonite.
At sea.....	28 26	10 53	1837	23 50 w.	0 22 w.	24·2 w.	.....	.....	.....	.....	.....	.....	Bonite.
At sea.....	29 33	10 58	1839	26 51 w.	0 07 w.	27·0 w.	.....	.....	.....	.....	.....	.....	Du Petit Thouars.
At sea (3 observations)	28 24	12 17	1846	.....	.....	.....	46 56 s.	.....	46·9 s.	7·05	.....	7·05	H.M.S. 'Fly.'
At sea.....	29 45	13 08	1837	28 15 w.	0 11 w.	28·4 w.	.....	.....	.....	.....	.....	.....	Bonite.
Cape Voltas	28 44	16 26	1825	29 00 w.	0 35 w.	29·6 w.	.....	.....	.....	.....	.....	.....	Owen.
Litakou	27 06	24 35	1824	27 07 w.	.....	27·1 w.	.....	.....	.....	.....	.....	....	Burchell.
At sea (2 observations)	27 59	34 43	1836	21 16 w.	.....	21·3 w.	.....	.....	.....	.....	.....	.....	FitzRoy.
At sea (6 observations)	28 57	37 45	1845	.....	.....	.....	59 14 s.	.....	59·2 s.	.....	.....	.....	Moore.
At sea (7 observations)	28 57	37 49	1845	23 37 w.	.....	23·6 w.	.....	.....	.....	.....	.....	.....	Pagoda.
At sea (4 observations)	28 57	37 52	1845	.....	.....	.....	59 08 s.	.....	59·1 s.	8·20	.....	8·20	Clerk.
At sea (5 observations)	28 57	37 55	1845	.....	.....	.....	.....	.....	.....	8·32	.....	8·32	Moore.
At sea (2 observations)	29 05	38 38	1834	23 37 w.	.....	23·6 w.	.....	.....	.....	.....	.....	.....	Prussian ships.
At sea (3 observations)	28 48	38 50	1846	.....	.....	.. ...	60 38 s.	.....	60·6 s.	8·54	.....	8·54	H.M.S. 'Fly.'
At sea.....	29 21	39 06	1845	.....	.....	.....	60 01 s.	.....	60·0 s.	8·10	.....	8·10	Dayman.
Bassa da India	21 29	39 35	1825	21 54 w.	.....	21·9 w.	.....	.....	.....	.....	.....	.....	Owen.
At sea (5 observations)	28 36	40 14	1845	22 34 w.	.....	22·6 w.	.....	.....	.....	.....	.....	.....	Pagoda.
At sea (12 observations)	29 32	40 14	1861	24 23 w.	.....	24·4 w.	.....	.....	.....	.....	.....	.....	Denham.
Europa Island	22 22	40 19	1825	21 00 w.	.....	21·0 w.	.....	.....	.....	.....	.....	.....	Owen.
At sea (4 observations)	28 35	40 24	1845	.....	.....	.....	58 54 s.	.....	58·9 s.	8·45	.....	8·45	Clerk.
At sea (3 observations)	27 28	40 44	1836	21 08 w.	.....	21·1 w.	.....	.....	.....	.....	.....	.....	FitzRoy.
At sea (6 observations)	29 09	41 11	1846	.....	.....	.....	58 18 s.	.....	58·3 s.	8·47	.....	8·47	H.M.S. 'Fly.'
At sea (4 observations)	28 44	42 01	1845	.....	.....	.....	59 01 s.	.....	59·0 s.	8·37	.....	8·37	Clerk.
At sea (4 observations)	28 49	42 07	1845	21 57 w.	.....	21·9 w.	.....	.....	.....	.....	.....	.....	Pagoda.
At sea.....	28 15	42 18	1845	.....	.....	.....	59 37 s.	.....	59·6 s.	8·14	.....	8·14	Dayman.
At sea (3 observations)	29 17	42 21	1851	24 31 w.	.....	24·5 w.	.....	.....	.....	.....	.....	.....	Kellett.
At sea.....	28 02	42 40	1845	.....	.....	.....	58 10 s.	.....	58·2 s.	.....	.....	.....	Moore.
At sea (4 observations)	28 24	43 00	1845	.....	.....	.....	58 52 s.	.....	58·9 s.	8·43	.....	8·43	Clerk.
At sea (3 observations)	28 19	43 07	1845	21 19 w.	.....	21·3 w.	.....	.....	.....	.....	.....	.....	Pagoda.
St. Augustin Bay	23 35	43 50	1825	20 48 w.	.....	20·8 w.	.....	.....	.....	.....	.....	.....	Owen.
At sea.....	29 34	43 53	1837	24 26 w.	.....	24·4 w.	.....	.....	.....	.....	.....	.....	Bonite.
Mourondoca	20 18	44 17	1825	18 42 w.	.....	18·7 w.	.....	.....	.....	.....	.....	.....	Owen.
At sea (14 observations)	27 26	45 09	1861	20 31 w.	.....	20·5 w.	.....	.....	.....	.....	.....	.....	Denham.
At sea (2 observations)	28 34	45 33	1837	22 21 w.	.....	22·3 w.	.....	.....	.....	.....	.....	.....	Bonite.
At sea.....	29 21	45 34	1838	21 02 w.	.....	21·0 w.	.....	.....	.....	.....	.....	.....	Prussian ships.
At sea.....	26 54	45 47	1845	.....	.....	.....	58 41 s.	.....	58·7 s.	.....	.....	.....	Dayman.
At sea (4 observations)	27 14	45 50	1845	.....	.....	.....	58 32 s.	.....	58·5 s.	8·68	.....	8·68	Moore.
At sea (5 observations)	27 12	46 02	1845	20 25 w.	.....	20·4 w.	.....	.....	.....	.....	.....	.....	Pagoda.
At sea (4 observations)	27 12	46 09	1845	.....	.....	.....	58 44 s.	.....	58·7 s.	8·46	.....	8·46	Clerk.
At sea.....	25 42	46 42	1836	16 16 w.	.....	16·3 w.	.....	.....	.....	.....	.....	.....	FitzRoy.

SOUTH EQUATORIAL ZONE III.—Lat. 20° to 30° S. (continued).

Stations.	Lat. S.	Long. E.	Date.	Declination.			Inclination.			Force in British units.			Observers.
				Observed.	Correction to Epoch 1842·5.	Corrected.	Observed.	Cor. to Epoch 1842·5.	Corrected.	Observed.	Cor. to Epoch 1842·5.	Corrected.	
	° ′	° ′		° ′		°	° ′		°				
At sea	27 33	47 17	1837	18 52 w.	.....	18·9 w.	.....	.....	.....	.....	.....	.....	Bonite.
Manambatoo	24 17	47 20	1827	17 00 w.	.....	17·0 w.	.....	.....	.....	.....	.....	.....	Owen.
At sea (3 observations)	26 49	48 14	1824	19 43 w.	.....	19·7 w.	.....	.....	.....	.....	.....	.....	Prussian ships.
At sea (4 observations)	26 26	48 20	1845	.....	.....	.....	58 46 s.	.....	58·8 s.	8·72	.....	8·72	Moore.
At sea	29 37	48 44	1829	24 01 w.	.....	24·0 w.	.....	.....	.....	.....	.....	.....	Lütke.
At sea	25 42	49 06	1845	.....	.....	.....	58 43 s.	.....	58·7 s.	8·35	.....	8·35	Dayman.
At sea (4 observations)	26 25	49 12	1845	.....	.....	.....	58 36 s.	.....	58·6 s.	8·69	.....	8·69	Clerk.
At sea (3 observations)	26 30	49 20	1845	16 23 w.	.....	16·4 w.	.....	.....	.....	.....	.....	.....	Pagoda.
At sea (2 observations)	25 47	49 40	1845	15 09 w.	.....	15·1 w.	.....	.....	.....	.....	.....	.....	Pagoda.
At sea (5 observations)	25 39	49 47	1861	16 49 w.	.....	16·8 w.	.....	.....	.....	.....	.....	.....	Denham.
At sea (5 observations)	26 52	50 24	1829	20 10 w.	.....	20·2 w.	.....	.....	.....	.....	.....	.....	Prussian ships.
At sea	25 13	51 29	1845	.....	.....	.....	58 34 s.	.....	58·6 s.	8·53	.....	8·53	Dayman.
At sea (3 observations)	23 44	51 48	1845	14 22 w.	.....	14·4 w.	.....	.....	.....	.....	.....	.....	Pagoda.
At sea	25 01	51 58	1837	16 45 w.	.....	16·7 w.	.....	.....	.....	.....	.....	.....	Bonite.
At sea (5 observations)	26 14	52 30	1851	18 24 w.	.....	18·4 w.	.....	.....	.....	.....	.....	.....	Kellett.
At sea (4 observations)	21 54	53 00	1845	13 44 w.	.....	13·7 w.	.....	.....	.....	.....	.....	.....	Pagoda.
At sea	24 28	53 21	1837	16 12 w.	.....	16·2 w.	.....	.....	.....	.....	.....	.....	Bonite.
At sea (4 observations)	21 50	53 25	1845	.....	.....	.....	54 51 s.	.....	54·8 s.	8·70	.....	8·70	Moore.
At sea	23 17	53 31	1837	15 47 w.	.....	15·8 w.	.....	.....	.....	.....	.....	.....	Bonite.
At sea (4 observations)	21 44	53 34	1845	.....	.....	.....	54 38 s.	.....	54·6 s.	8·83	.....	8·83	Clerk.
At sea	24 05	54 20	1837	15 15 w.	.....	15·2 w.	.....	.....	.....	.....	.....	.....	Bonite.
At sea (3 observations)	29 55	54 35	1846	.....	.....	.....	61 59 s.	.....	62·0 s.	9·40	.....	9·40	H.M.S. 'Fly.'
At sea	21 36	54 36	1837	13 57 w.	.....	13·9 w.	.....	.....	.....	.....	.....	.....	Bonite.
At sea (4 observations)	26 30	54 52	1829	15 21 w.	.....	15·3 w.	.....	.....	.....	.....	.....	.....	Lütke.
Isle Bourbon	20 51	55 30	1824	13 46 w.	.....	13·8 w.	.....	.....	.....	.....	.....	.....	Duperrey.
			1827	14 58 w.	.....	15·0 w.	.....	.....	.....	.....	.....	.....	Blosseville.
			1837	14 10 w.	.....	14·2 w.	55 33 s.	.....	55·5 s.	.....	.....	.....	Bonite.
			1839	.....	.....	.....	55 12 s.	.....	55·2 s.	.....	.....	.....	La Vénus.
						° 14·3 w.			55·4 s.				
At sea (2 observations)	20 50	55 32	1845	11 15 w.	.....	11·2 w.	.....	.....	.....	.....	.....	.....	Pagoda.
At sea	20 50	55 36	1837	11 04 w.	.....	11·1 w.	.....	.....	.....	.....	.....	.....	Bonite.
At sea	20 59	56 09	1837	12 23 w.	.....	12·4 w.	.....	.....	.....	.....	.....	.....	Bonite.
At sea (11 observations)	23 38	56 11	1861	14 06 w.	.....	14·1 w.	.....	.....	.....	.....	.....	.....	Denham.
At sea (3 observations)	24 08	56 54	1847	.....	.....	.....	56 14 s.	.....	56·2 s.	9·21	.....	9·21	Rattlesnake.
At sea (6 observations)	29 22	56 58	1847	.....	.....	.....	60 44 s.	.....	60·7 s.	9·30	.....	9·30	Rattlesnake.
At sea	24 45	57 03	1845	.....	.....	.....	59 13 s.	.....	59·2 s.	.....	.....	.....	Dayman.
At sea (3 observations)	28 30	57 15	1846	.....	.....	.....	60 08 s.	.....	60·1 s.	8·95	.....	8·95	H.M.S. 'Fly.'
Port Louis	20 09	57 31	1824	13 46 w.	.....	13·8 w.	53 47 s.	.....	53·8 s.	.....	.....		Duperrey.
			1836	11 18 w.	.....	11·3 w.	54 01 s.	.....	54·0 s.	.....	.....		FitzRoy.
			1845	.....	.....	.....	54 14 s.	.....	54·2 s.	8·66	.....		Clerk and Moore.
			1845	.....	.....	.....	53 38 s.	.....	53·6 s.	8·65	.....	8·65	Moore.
			1845	9 44 w.	.....	9·7 w.	.....	.....	.....	.....	.....		Pagoda.
			1847	.....	.....	.....	53 49 s.	.....	53·8 s.	8·84	.....		Rattlesnake.
						° 11·6 w.			53·9 s.				
At sea (6 observations)	21 18	57 49	1847	.....	.....	.....	54 00 s.	.....	54·0 s.	9·18	.....	9·18	Rattlesnake.
At sea (6 observations)	27 05	57 52	1847	.....	.....	.....	58 52 s.	.....	58·9 s.	9·32	.....	9·32	Rattlesnake.
At sea (3 observations)	26 00	58 35	1847	.....	.....	.....	58 01 s.	.....	58·0 s.	9·36	.....	9·36	Rattlesnake.
At sea	24 36	58 37	1845	.....	.....	.....	58 17 s.	.....	58·3 s.	8·83	.....	8·83	Dayman.
At sea	21 01	58 43	1837	9 25 w.	.....	9·4 w.	.....	.....	.....	.....	.....	.....	Bonite.
At sea (4 observations)	20 31	59 42	1845	.....	.....	.....	53 59 s.	.....	54·0 s.	8·77	.....	8·77	Clerk.
At sea (3 observations)	20 30	59 42	1845	9 44 w.	.....	9·7 w.	.....	.....	.....	.....	.....	.....	Pagoda.
At sea	24 43	59 46	1845	.....	.....	.....	57 59 s.	.....	58·0 s.	8·87	.....	8·87	Dayman.
At sea (6 observations)	26 52	60 11	1846	.....	.....	.....	59 11 s.	.....	59·2 s.	9·25	.....	9·25	H.M.S. 'Fly.'
At sea (6 observations)	26 23	60 31	1847	.....	.....	.....	58 44 s.	.....	58·7 s.	9·41	.....	9·41	Rattlesnake.
At sea (6 observations)	25 35	60 54	1851	14 41 w.	.....	14·7 w.	.....	.....	.....	.....	.....	.....	Kellett.
At sea (3 observations)	27 33	61 00	1847	.....	.....	.....	59 06 s.	.....	59·1 s.	9·44	.....	9·44	Rattlesnake.
At sea	24 50	61 11	1845	.....	.....	.....	58 15 s.	.....	58·3 s.	8·97	.....	8·97	Dayman.
At sea (2 observations)	23 07	62 00	1824	12 41 w.	.....	12·7 w.	.....	.....	.....	.....	.....	.....	Prussian ships.
At sea (2 observations)	23 50	62 18	1832	11 44 w.	.....	11·7 w.							
At sea (3 observations)	25 42	62 25	1846	.....	.....	.....	58 22 s.	.....	58·4 s.	9·49	.....	9·49	H.M.S. 'Fly.'
At sea (8 observations)	22 21	62 26	1861	10 40 w.	.....	10·7 w.	.....	.....	.....	.....	.....	.....	Denham.
At sea	24 23	62 54	1845	.....	.....	.....	57 57 s.	.....	57·9 s.	8·82	.....	8·82	Dayman.
At sea (6 observations)	20 40	62 58	1845	.....	.....	.....	53 53 s.	.....	53·9 s.	8·79	.....	8·79	Moore.
At sea (2 observations)	20 39	63 01	1845	8 27 w.	.....	8·4 w.	.....	.....	.....	.....	.....	.....	Pagoda.
At sea (3 observations)	28 02	63 15	1847	.....	.....	.....	59 36 s.	.....	59·6 s.	.....	.....	.....	Rattlesnake.

SOUTH EQUATORIAL ZONE III.—Lat. 20° to 30° S. (continued).

Stations.	Lat. S.	Long. E.	Date.	Declination.			Inclination.			Force in British units.			Observers.
				Observed.	Correction to Epoch 1842·5.	Corrected.	Observed.	Cor. to Epoch 1842·5.	Corrected.	Observed.	Cor. to Epoch. 1842·5.	Corrected.	
	° ′	° ′		° ′		°	° ′		°				
At sea (4 observations)	24 57	64 17	1851	13 55 w.	.....	13·9 w.	.....	.....	.....	.....	.....	.....	Kellett.
At sea (3 observations)	25 26	64 25	1838	11 25 w.	.....	11·4 w.	.....	.....	.....	.....	.....	.....	Prussian ships.
At sea	20 02	64 59	1837	7 51 w.	.....	7·8 w.	.....	.....	.....	.....	.....	.....	Bonite.
At sea	23 52	64 59	1845	.....	.....	.....	56 52 s.	.....	56·9 s.	8·96	.....	8·96	Dayman.
At sea (2 observations)	22 34	65 05	1834	8 36 w.	.....	8·6 w.	.....	.....	.....	.....	.....	.....	Prussian ships.
At sea (3 observations)	23 22	65 25	1846	.....	.....	.....	55 50 s.	.....	55·8 s.	9·54	.....	9·54	H.M.S. 'Fly.'
At sea (4 observations)	21 02	66 02	1845	.....	.....	.....	54 03 s.	.....	54·1 s.	8·85	.....	8·85	Clerk.
At sea (5 observations)	21 01	66 10	1845	.....	.....	.....	.....	.....	.....	8·83	.....	8·83	Moore.
At sea (3 observations)	21 01	66 24	1845	7 46 w.	.....	7·8 w.	.....	.....	.....	.....	.....	.....	Pagoda.
At sea (3 observations)	23 39	66 25	1829	9 06 w.	.....	9·1 w.	.....	.....	.....	.....	.....	.....	Lütke.
At sea (7 observations)	21 01	66 50	1845	.....	.....	.....	53 49 s.	.....	53·8 s.	.....	.....	.....	Moore.
At sea (8 observations)	21 12	67 29	1845	.....	.....	.....	53 39 s.	.....	53·6 s.	9·00	.....	9·00	Clerk.
At sea (2 observations)	21 12	67 29	1845	7 37 w.	.....	7·6 w.	.....	.....	.....	.....	.....	.....	Pagoda.
At sea (5 observations)	21 12	67 29	1845	.....	.....	.....	53 59 s.	.....	54·0 s.	8·92	.....	8·92	Moore.
At sea (3 observations)	27 57	67 30	1847	.....	.....	.....	59 22 s.	.....	59·4 s.	9·72	.....	9·72	Rattlesnake.
At sea (2 observations)	23 33	67 34	1851	12 05 w.	.....	12·1 w.	.....	.....	.....	.....	.....	.....	Kellett.
At sea (7 observations)	23 00	67 53	1861	8 58 w.	.....	9·0 w.	.....	.....	.....	.....	.....	.....	Denham.
At sea (8 observations)	21 11	67 54	1845	.....	.....	.....	53 02 s.	.....	53·0 s.	9·01	.....	9·01	Clerk.
At sea (3 observations)	21 11	67 54	1845	6 34 w.	.....	6·6 w.	.....	.....	.....	.....	.....	.....	Pagoda.
At sea (5 observations)	21 11	67 54	1845	.....	.....	.....	53 46 s.	.....	53·8 s.	9·04	.....	9·04	Moore.
At sea	21 08	68 04	1845	.....	.....	.....	53 01 s.	.....	53·0 s.	.....	.....	.....	Moore.
At sea (5 observations)	20 58	68 12	1845	8 00 w.	.....	8·0 w.	.....	.....	.....	.....	.....	.....	Pagoda.
At sea (4 observations)	21 06	68 12	1845	.....	.....	.....	53 10 s.	.....	53·2 s.	8·92	.....	8·92	Clerk.
At sea (3 observations)	21 00	68 33	1846	.....	.....	.....	53 40 s.	.....	53·7 s.	9·09	.....	9·09	H.M.S. 'Fly.'
At sea (12 observations)	20 34	69 24	1845	.....	.....	.....	53 01 s.	.....	53·0 s.	9·06	.....	9·06	Moore.
At sea (2 observations)	20 34	69 37	1845	6 07 w.	.....	6·1 w.	.....	.....	.....	.....	.....	.....	Pagoda.
At sea (5 observations)	20 26	69 48	1845	.....	.....	.....	52 19 s.	.....	52·3 s.	.....	.....	.....	Moore.
At sea	22 41	69 54	1845	.....	.....	.....	55 54 s.	.....	55·9 s.	9·10	.....	9·10	Dayman.
At sea (3 observations)	20 26	70 36	1845	.....	.....	.....	.....	.....	.....	9·03	.....	9·03	Moore.
At sea (4 observations)	20 28	70 46	1845	.....	.....	.....	52 51 s.	.....	52·8 s.	8·98	.....	8·98	Clerk.
At sea (2 observations)	20 27	70 49	1845	6 35 w.	.....	6·6 w.	.....	.....	.....	.....	.....	.....	Pagoda.
At sea (4 observations)	22 30	71 07	1851	10 10 w.	.....	10·2 w.	.....	.....	.....	.....	.....	.....	Kellett.
At sea	22 33	72 20	1851	.....	.....	.....	55 04 s.	.....	55·1 s.	9·07	.....	9·07	Dayman.
At sea (16 observations)	23 35	72 32	1861	8 50 w.	.....	8·8 w.	.....	.....	.....	.....	.....	.....	Denham.
At sea (2 observations)	25 01	73 18	1840	10 22 w.	.....	10·4 w.	.....	.....	.....	.....	.....	.....	Prussian ships.
At sea	20 45	73 20	1845	5 54 w.	.....	5·9 w.	.....	.....	.....	.....	.....	.....	Pagoda.
At sea	22 28	74 18	1845	.....	.....	.....	54 41 s.	.....	54·7 s.	9·11	.....	9·11	Dayman.
At sea (4 observations)	21 52	75 13	1829	6 57 w.	.....	6·9 w.	.....	.....	.....	.....	.....	.....	Lütke.
At sea (4 observations)	22 07	75 54	1851	9 06 w.	.....	9·1 w.	.....	.....	.....	.....	.....	.....	Kellett.
At sea	22 38	76 10	1845	.....	.....	.....	54 45 s.	.....	54·7 s.	9·26	.....	9·26	Dayman.
At sea (8 observations)	20 29	76 22	1845	.....	.....	.....	52 20 s.	.....	52·3 s.	9·16	.....	9·16	Clerk.
At sea (3 observations)	20 28	76 23	1845	6 01 w.	.....	6·0 w.	.....	.....	.....	.....	.....	.....	Pagoda.
At sea (12 observations)	20 39	77 43	1845	.....	.....	.....	51 59 s.	.....	52·0 s.	9·27	.....	9·27	Clerk.
At sea (12 observations)	20 39	77 43	1845	.....	.....	.....	51 58 s.	.....	52·0 s.	9·24	.....	9·24	Moore.
At sea (3 observations)	20 39	77 45	1845	5 22 w.	.....	5·4 w.	.....	.....	.....	.....	.....	.....	Pagoda.
At sea	22 35	78 08	1845	.....	.....	.....	54 26 s.	.....	54·4 s.	9·27	.....	9·27	Dayman.
At sea (24 observations)	20 44	78 31	1845	.....	.....	.....	52 00 s.	.....	52·0 s.	9·25	.....	9·25	Moore.
At sea (19 observations)	20 44	78 31	1845	.....	.....	.....	52 03 s.	.....	52·1 s.	9·28	.....	9·28	Clerk.
At sea (21 observations)	20 44	78 34	1845	5 29 w.	.....	5·5 w.	.....	.....	.....	.....	.....	.....	Pagoda.
At sea (12 observations)	24 36	79 03	1861	9 25 w.	.....	9·4 w.	.....	.....	.....	.....	.....	.....	Denham.
At sea (5 observations)	20 36	79 10	1845	.....	.....	.....	51 46 s.	.....	51·8 s.	9·09	.....	9·09	Moore.
At sea (7 observations)	20 36	79 20	1845	4 43 w.	.....	4·7 w.	.....	.....	.....	.....	.....	.....	Pagoda.
At sea (8 observations)	20 36	79 22	1845	.....	.....	.....	51 50 s.	.....	51·8 s.	9·34	.....	9·34	Clerk.
At sea (3 observations)	21 09	79 27	1851	8 47 w.	.....	8·8 w.	.....	.....	.....	.....	.....	.....	Kellett.
At sea	22 34	80 10	1845	.....	.....	.....	54 23 s.	.....	54·4 s.	9·45	.....	9·45	Dayman.
At sea (3 observations)	20 25	82 00	1845	.....	.....	.....	51 05 s.	.....	51·1 s.	9·35	.....	9·35	Moore.
At sea (8 observations)	20 26	82 22	1845	.....	.....	.....	51 39 s.	.....	51·6 s.	9·42	.....	9·42	Clerk.
At sea (5 observations)	20 25	82 32	1845	5 08 w.	.....	5·1 w.	.....	.....	.....	.....	.....	.....	Pagoda.
At sea	22 08	84 17	1845	.....	.....	.....	53 52 s.	.....	53·9 s.	9·37	.....	9·37	Dayman.
At sea (5 observations)	20 31	84 41	1829	4 30 w.	.....	4·5 w.	.....	.....	.....	.....	.....	.....	Lütke.
At sea (3 observations)	23 34	84 43	1857	7 47 w.	.....	7·8 w.	.....	.....	.....	.....	.....	.....	Novara.
At sea (2 observations)	29 04	84 49	1857	10 01 w.	.....	10·0 w.	.....	.....	.....	.....	.....	.....	Novara.

SOUTH EQUATORIAL ZONE III.—Lat. 20° to 30° S. (continued).

Stations.	Lat. S.	Long. E.	Date.	Declination.			Inclination.			Force in British units.			Observers.
				Observed.	Correction to Epoch 1842·5.	Corrected.	Observed.	Cor. to Epoch 1842·5.	Corrected.	Observed.	Cor. to Epoch 1842·5.	Corrected.	
	° ′	° ′		° ′		°	° ′		°				
At sea (5 observations)	20 37	85 02	1845	.....	.....	.....	51 21 s.	.....	51·4 s.	9·46	.....	9·46	Moore.
At sea (4 observations)	20 38	85 26	1845	.....	.....	.....	51 14 s.	.....	51·2 s.	9·48	.....	9·48	Clerk.
At sea (3 observations)	20 37	85 32	1845	5 20 w.	.....	5·3 w.	.....	.....	.....	.....	.....	.....	Pagoda.
At sea	22 11	86 30	1845	.....	.....	.....	53 20 s.	.....	53·3 s.	9·55	.....	9·55	Dayman.
At sea (11 observations)	22 56	86 58	1860	7 19 w.	.....	7·3 w.	.....	.....	.....	.....	.....	.....	Denham.
At sea (5 observations)	20 38	87 50	1845	.....	.....	.....	51 33 s.	.....	51·5 s.	9·73	.....	9·73	Moore.
At sea (8 observations)	20 46	87 59	1845	.....	.....	.....	50 57 s.	.....	50·9 s.	9·70	.....	9·70	Clerk.
At sea (5 observations)	20 46	88 06	1845	4 45 w.	.....	4·7 w.	.....	.....	.....	.....	.....	.....	Pagoda.
At sea (4 observations)	21 44	89 38	1845	.....	.....	.....	51 45 s.	.....	51·7 s.	9·85	.....	9·85	Moore.
At sea (2 observations)	21 53	89 42	1845	4 23 w.	.....	4·4 w.	.....	.....	.....	.....	.....	.....	Pagoda.
At sea (4 observations)	21 50	89 44	1845	.....	.....	.....	52 17 s.	.....	52·3 s.	9·94	.....	9·94	Clerk.
At sea	22 17	89 57	1845	.....	.....	.....	53 11 s.	.....	53·2 s.	9·65	.....	9·65	Dayman.
At sea (9 observations)	22 46	90 40	1845	5 56 w.	.....	5·9 w.	.....	.....	.....	.....	.....	.....	Pagoda.
At sea (4 observations)	22 47	91 00	1845	.....	.....	.....	52 49 s.	.....	52·8 s.	9·92	.....	9·92	Clerk.
At sea	22 19	91 16	1845	.....	.....	.....	53 11 s.	.....	53·2 s.	9·57	.....	9·57	Dayman.
At sea (3 observations)	24 02	92 07	1845	.....	.....	.....	52 44 s.	.....	52·7 s.	10·24	.....	10·24	Moore.
At sea	24 05	92 11	1845	6 34 w.	.....	6·6 w.	.....	.....	.....	.....	.....	.....	Pagoda.
At sea	22 54	93 48	1845	.....	.....	.....	53 26 s.	.....	53·4 s.	10·02	.....	10·02	Dayman.
At sea (5 observations)	24 17	93 50	1845	.....	.....	.....	54 07 s.	.....	54·1 s.	10·13	.....	10·13	Moore.
At sea (4 observations)	24 17	94 06	1845	5 31 w.	.....	6·5 w.	.....	.....	.....	.....	.....	.....	Pagoda.
At sea	23 11	95 40	1845	.....	.....	.....	53 44 s.	.....	53·7 s.	10·00	.....	10·00	Dayman.
At sea (6 observations)	23 56	95 46	1845	6 10 w.	.....	6·2 w.	.....	.....	.....	.....	.....	.....	Pagoda.
At sea (5 observations)	23 50	95 56	1845	.....	.....	.....	54 26 s.	.....	54·4 s.	10·32	.....	10·32	Moore.
At sea (4 observations)	24 00	96 06	1845	.....	.....	.....	54 16 s.	.....	54·3 s.	10·23	.....	10·23	Clerk.
At sea (3 observations)	28 48	96 33	1848	.....	.....	.....	58 51 s.	.....	58·8 s.	11·02	.....	11·02	Rattlesnake.
At sea (6 observations)	20 33	97 11	1846	.....	.....	.....	50 14 s.	.....	50·2 s.	9·95	.....	9·95	H.M.S. 'Fly.'
At sea (4 observations)	24 01	97 25	1845	.....	.....	.....	54 18 s,	.....	54·3 s.	10·35	.....	10·35	Moore.
At sea (4 observations)	24 01	97 30	1845	.....	.....	.....	54 03 s.	.....	54·1 s.	10·33	.....	10·33	Clerk.
At sea (4 observations)	24 01	97 34	1845	7 08 w.	.....	7·1 w.	.....	.....	.....	.....	.....	.....	Pagoda.
At sea (9 observations)	24 51	97 34	1848	.....	.....	.....	54 51 s.	.....	54·8 s.	.....	.....	.....	Rattlesnake.
At sea (3 observations)	21 12	98 47	1846	.....	.....	.....	49 55 s.	.....	49·9 s.	10·04	.....	10·04	H.M.S. 'Fly.'
At sea (4 observations)	23 58	99 06	1845	.....	.....	.....	53 46 s.	.....	53·8 s.	10·35	.....	10·35	Moore.
At sea	20 11	99 13	1829	3 02 w.	.....	3·0 w.	.....	.....	.....	.....	.....	.....	Lütke.
At sea (4 observations)	23 58	99 21	1845	5 14 w.	.....	5·2 w.	.....	.....	.....	.....	.....	.....	Pagoda.
At sea	27 45	99 23	1827	5 30 w.	.....	5·5 w.	.....	.....	.....	.....	.....	.....	D'Urville.
At sea (4 observations)	24 00	99 23	1845	.....	.....	.....	54 28 s.	.....	54·5 s.	10·24	.....	10·24	Clerk.
At sea	24 00	99 33	1845	.....	.....	.....	54 20 s.	.....	54·3 s.	10·54	.....	10·54	Dayman.
At sea (6 observations)	21 36	100 30	1846	.....	.....	.....	51 50 s.	.....	51·8 s.	10·19	.....	10·19	H.M.S. 'Fly.'
At sea	24 50	101 31	1845	.....	.....	.....	54 44 s.	.....	54·7 s.	10·60	.....	10·60	Dayman.
At sea (2 observations)	24 07	102 28	1845	5 32 w.	.....	5·5 w.	.....	.....	.....	.....	.....	.....	Pagoda.
At sea (3 observations)	23 02	102 50	1846	.....	.....	.....	52 44 s.	.....	52·7 s.	10·34	.....	10·34	H.M.S. 'Fly.'
At sea	25 52	102 58	1845	.....	.....	.....	55 50 s.	.....	55·8 s.	10·65	.....	10·65	Dayman.
At sea	23 22	103 18	1827	3 00 w.	.....	3·0 w.	.....	.....	.....	.....	.....	.....	D'Urville.
At sea (3 observations)	24 45	103 48	1846	.....	.....	.....	55 34 s.	.....	55·6 s.	10·71	.....	10·71	H.M.S. 'Fly.'
At sea	26 44	104 26	1845	.....	.....	.....	56 54 s.	.....	56·9 s.	10·98	.....	10·98	Dayman.
At sea (4 observations)	25 46	104 55	1845	.....	.....	.....	55 05 s.	.....	55·1 s.	10·84	.....	10·84	Moore.
At sea	28 04	105 06	1845	.....	.....	.....	58 33 s.	.....	58·5 s.	11·19	.....	11·19	Dayman.
At sea (4 observations)	26 00	105 11	1845	.....	.....	.....	55 09 s.	.....	55·2 s.	11·01	.....	11·01	Clerk.
At sea (2 observations)	22 04	105 13	1836	3 40 w.	.....	3·7 w.	.....	.....	.....	.....	.....	.....	FitzRoy.
At sea (3 observations)	26 15	105 15	1846	.....	.....	.....	56 47 s.	.....	56·8 s.	10·79	.....	10·79	H.M.S. 'Fly.'
At sea (3 observations)	26 10	105 16	1845	5 30 w.	.....	5·5 w.	.....	.....	.....	.....	.....	.....	Pagoda.
At sea	29 40	105 28	1845	.....	.....	.....	59 37 s.	.....	59·6 s.	11·52	.....	11·52	Dayman.
At sea (7 observations)	27 35	106 32	1845	.....	.....	.....	57 26 s.	.....	57·4 s.	11·07	.....	11·07	Moore.
At sea (2 observations)	27 41	106 35	1845	6 33 w.	.....	6·5 w.	.....	.....	.....	.....	.....	.....	Pagoda.
At sea (4 observations)	27 47	106 36	1845	.....	.....	.....	57 17 s.	.....	57·3 s.	11·16	.....	11·16	Clerk.
At sea (5 observations)	29 16	106 49	1845	.....	.....	.....	59 30 s.	.....	59·5 s.	11·23	.....	11·23	Moore.
At sea (2 observations)	29 20	106 55	1845	6 30 w.	.....	6·5 w.	.....	.....	.....	.....	.....	.....	Pagoda.
At sea (4 observations)	29 20	106 55	1845	.....	.....	.....	59 19 s.	.....	59·3 s.	11·64	.....	11·64	Clerk.
At sea (3 observations)	27 30	108 28	1846	.....	.....	.....	58 49 s.	.....	58·8 s.	11·22	.....	11·22	H.M.S. 'Fly.'
At sea (2 observations)	27 28	108 49	1836	5 09 w.	.....	5·1 w.	.....	.....	.....	.....	.....	.....	FitzRoy.
At sea (3 observations)	29 05	111 45	1846	.....	.....	.....	57 38 s.	.....	57·6 s.	11·66	.....	11·66	H.M.S. 'Fly.'

SOUTH EQUATORIAL ZONE III.—Lat. 20° to 30° S. (continued).

Stations.	Lat. S.	Long. E.	Date.	Declination.			Inclination.			Force in British units.			Observers.
				Observed.	Correction to Epoch 1842·5.	Corrected.	Observed.	Cor. to Epoch 1842·5.	Corrected.	Observed.	Cor. to Epoch 1842·5.	Corrected.	
	° ′	° ′		° ′		°	° ′		°				
Dirk Hartog Islands (3 observations)...	25 52	113 04	1858	2 57 w.	.....	3·0 w.	.....	.....	.....	.....	.....	.....	Denham.
Shark's Bay (23 observations).....	25 59	113 28	1858	2 42 w.	.....	2·7 w.	.....	.....	.....	.....	.....	.....	Denham.
New Cape	25 04	113 30	1858	3 02 w.	.....	3·0 w.	.....	.....	.....	.....	.....	.....	Denham.
Port Molle	20 20	148 55	1844	.....	.....	.....	47 19 s.	.....	47·3 s.	10·55	.....	10·55	H.M.S. 'Fly.'
No. 2 Percy Island ...	21 40	150 17	1847	.....	.....	.....	49 02 s.	.....	49·0 s.	.....	.....	.....	Rattlesnake.
			1859	8 04 E.	.....	8·1 E.	.....	.....	.....	.....	.....	.....	Denham.
Port Bowen	22 31	150 49	1843	8 50 E.	.....	8·8 E.	50 16 s.	.....	50·3 s.	10·96	.....	10·96	H.M.S. 'Fly.'
Keppel Island	22 09	150 56	1847	.....	.....	.....	50 48 s.	.....	50·8 s.	.....	.....	.....	Rattlesnake.
Facing Island, Port Curtis.....	23 51	151 04	1847	.....	.....	.....	51 30 s.	.....	51·5 s.	.....	.....	.....	Rattlesnake.
Sandy Cape	24 43	153 15	1843·5	7 50 E.	.....	7·8 E.	52 24 s.	.....	52·4 s.	11·14	.....	11·14	H.M.S. 'Fly.'
Moreton Island (5 observations).....	27 06	153 25	1849	.....	.....	.....	55 18 s.	.....	55·3 s.	11·72	.....	11·72	Rattlesnake.
			1858	9 43 E.	.....	9·7 E. } 9·5 E.	.....	.....	.....	.....	.....	.....	Denham.
			1863	9 19 E.	.....	9·3 E.	.....	.....	.....	.....	.....	.....	H.M.S. 'Hecate.'
Frederick Reef (4 observations).....	21 02	154 25	1859	8 44 E.	.....	8·7 E.	.....	.....	.....	.....	.....	.....	Denham.
Cato Bank (2 observations)	23 15	155 34	1858	9 21 E.	.....	9·3 E.	.....	.....	.....	.....	.....	.....	Denham.
Wreck Reef (4 observations).....	22 10	155 39	1858	9 43 E.	.....	9·7 E.	.....	.....	.....	.....	.....	.....	Denham.
Kenn Reef (3 observations)	21 16	155 49	1859	9 00 E.	.....	9·0 E.	.....	.....	.....	.....	.....	.....	Denham.
At sea (3 observations)	27 43	156 33	1858	9 52 E.	.....	9·9 E.	.....	.....	.....	.....	.....	.....	Novara.
At sea (2 observations)	25 17	157 28	1858	8 59 E.	.....	9·0 E.	.....	.....	.....	.....	.....	.....	Novara.
At sea (2 observations)	22 33	157 49	1858	9 24 E.	.....	9·4 E.	.....	.....	.....	.....	.....	.....	Novara.
Observatory Islet (4 observations).....	21 24	158 53	1858	9 20 E.	.....	9·3 E.	.....	.....	.....	.....	.....	.....	Denham.
Bellona Shoal (2 observations).....	21 47	159 35	1858	9 32 E.	.....	9·5 E.	.....	.....	.....	.....	.....	.....	Denham.
At sea (7 observations)	25 11	160 17	1855	10 54 E.	.....	10·9 E.	.....	.....	.....	.....	.....	.....	Denham.
At sea (6 observations)	21 03	164 56	1827	11 14 E.	.....	11·2 E.	.....	.....	.....	.....	.....	.....	D'Urville.
At sea (18 observations)	29 08	167 20	1855	12 38 E.	.....	12·6 E.	.....	.....	.....	.....	.....	.....	Denham.
Norfolk Island (5 observations).....	29 12	167 27	1855	12 34 E.	.....	12·6 E.	.....	.....	.....	.....	.....	.....	Denham.
At sea (6 observations)	29 07	167 53	1855	12 55 E.	.....	12·9 E.	.....	.....	.....	.....	.....	.....	Denham.
At sea (2 observations)	28 24	168 33	1828	11 30 E.	.....	11·5 E.	.....	.....	.....	.....	.....	.....	D'Urville.
At sea (5 observations)	22 07	168 33	1855	11 01 E.	.....	11·0 E.	.....	.....	.....	.....	.....	.....	Denham.
At sea (6 observations)	29 26	171 14	1855	12 58 E.	.....	13·0 E.	.....	.....	.....	.....	.....	.....	Denham.
At sea (3 observations)	28 00	172 21	1863	10 34 E.	.....	10·6 E.	.....	.....	.....	.....	.....	.....	Richards.
At sea (6 observations)	25 16	173 03	1863	11 29 E.	.....	11·5 E.	.....	.....	.....	.....	.....	.....	Richards.
Conway Reef (4 observations).....	21 45	174 38	1855	10 34 E.	.....	10·6 E.	.....	.....	.....	.....	.....	.....	Denham.
At sea (8 observations)	24 26	174 54	1855	12 57 E.	.....	12·9 E.	.....	.....	.....	.....	.....	.....	Denham.
At sea.....	29 04	176 24	1824	10 00 E.	.....	10·0 E.	.....	.....	.....	.....	.....	.....	Duperrey.
At sea (5 observations)	23 03	176 56	1863	10 40 E.	.....	10·7 E.	.....	.....	.....	.....	.....	.....	Richards.
At sea (2 observations)	29 41	179 08	1835	13 20 E.	.....	13·3 E.	.....	.....	.....	.....	.....	.....	FitzRoy.
At sea (2 observations)	23 24	180 05	1854	8 36 E.	.....	8·6 E.	.....	.....	.....	.....	.....	.....	Denham.
At sea (2 observations)	23 35	180 08	1854	10 00 E.	.....	10·0 E.	.....	.....	.....	.....	.....	.....	Denham.
At sea (3 observations)	23 09	180 21	1854	10 05 E.	.....	10·1 E.	.....	.....	.....	.....	.....	.....	Denham.
At sea (2 observations)	22 57	180 30	1854	10 35 E.	.....	10·6 E.	.....	.....	.....	.....	.....	.....	Denham.
At sea (2 observations)	23 18	180 46	1854	10 43 E.	.....	10·7 E.	.....	.....	.....	.....	.....	.....	Denham.
Minerva Reefs (North and South)	23 45	181 11	1854	10 47 E.	.....	10·8 E.	.....	.....	.....	.....	.....	.....	Denham.
At sea (4 observations)	27 06	181 25	1835	11 27 E.	.....	11·4 E.	.....	.....	.....	.....	.....	.....	FitzRoy.
At sea (2 observations)	21 57	181 35	1854	9 18 E.	.....	9·3 E.	.....	.....	.....	.....	.....	.....	Denham.
At sea (4 observations)	28 28	181 54	1854	10 44 E.	.....	10·7 E.	.....	.....	.....	.....	.....	.....	Denham.
Sunday Island	29 15	182 00	1854	11 19 E.	.....	11·3 E.	.....	.....	.....	.....	.....	.....	Denham.
At sea (2 observations)	21 30	182 15	1863	10 20 E.	.....	10·3 E.	.....	.....	.....	.....	.....	.....	Richards.
At sea (4 observations)	29 06	182 30	1863	10 26 E.	.....	10·4 E.	.....	.....	.....	.....	.....	.....	Denham.
At sea (2 observations)	25 33	182 53	1863	9 58 E.	.....	10·0 E.	.....	.....	.....	.....	.....	.....	Denham.

SOUTH EQUATORIAL ZONE III.—Lat. 20° to 30° S. (continued).

Stations.	Lat. S.	Long. E.	Date.	Declination.			Inclination.			Force in British units.			Observers.
				Observed.	Correction to Epoch 1842·5.	Corrected.	Observed.	Cor. to Epoch 1842·5.	Corrected.	Observed.	Cor. to Epoch 1842·5.	Corrected.	
	° ′	° ′		° ′	° ′	°	° ′		°				
At sea (3 observations)	25 50	182 55	1863	11 42 E.	.....	11·7 E.	.....	.....	.....	.....	.....	.....	Denham.
At sea (2 observations)	26 08	182 57	1863	10 39 E.	.....	10·6 E.	.....	.....	.....	.....	.....	.....	Denham.
At sea (3 observations)	28 39	183 02	1863	10 54 E.	.....	10·9 E.	.....	.....	.....	.....	.....	.....	Denham.
At sea (2 observations)	28 19	183 19	1863	11 45 E.	.....	11·7 E.	.....	.....	.....	.....	.....	.....	Denham.
At sea (2 observations)	28 29	183 29	1863	11 12 E.	.....	11·2 E.	.....	.....	.....	.....	.....	.....	Denham.
At sea (5 observations)	25 12	183 45	1863	10 33 E.	.....	10·5 E.	.....	.....	.....	.....	.....	.....	Denham.
At sea (3 observations)	26 32	183 57	1863	10 04 E.	.....	10·1 E.	.....	.....	.....	.....	.....	.....	Denham.
At sea (3 observations)	26 00	184 29	1863	9 48 E.	.....	9·8 E.	.....	.....	.....	.....	.....	.....	Denham.
At sea (4 observations)	24 34	184 59	1863	10 31 E.	.....	10·5 E.	.....	.....	.....	.....	.....	.....	Denham.
At sea (4 observations)	20 53	185 12	1827	10 48 E.	.....	10·8 E.	.....	.....	.....	.....	.....	.....	Dumont d'Urville.
At sea (2 observations)	24 36	185 18	1854	9 17 E.	.....	9·3 E.	.....	.....	.....	.....	.....	.....	Denham.
At sea (2 observations)	22 41	190 59	1835	10 58 E.	.....	11·0 E.	.....	.....	.....	.....	.....	.....	FitzRoy.
At sea (4 observations)	20 48	195 47	1835	9 28 E.	.....	9·5 E.	.....	.....	.....	.....	.....	.....	FitzRoy.
Rarotonga Island.....	21 12	200 14	1840	8 34 E.	0 03 E.	8·6 E.	36 09 s.	.....	36·2 s.	9·96	.....	9·96	Belcher.
At sea (3 observations)	27 25	205 59	1859	8 48 E.	0 17 W.	8·5 E.	.....	.....	.....	.....	.....	.....	Novara.
At sea.....	22 17	209 33	1830	.....	.....	.....	36 33 s.	.....	36·5 s.	9·00	.....	9·00	Erman.
At sea.....	23 17	209 45	1830	7 19 E.	0 12 E.	7·5 E.	.....	.....	.....	.....	.....	.....	Erman.
At sea (2 observations)	22 58	209 47	1859	8 56 E.	0 17 W.	8·6 E.	.....	.....	.....	.....	.....	.....	Novara.
At sea.....	20 11	209 51	1830	7 25 E.	0 12 E.	7·6 E.	.....	.....	.....	.....	.....	.....	Erman.
At sea.....	27 07	209 55	1830	8 55 E.	0 12 E.	9·1 E.	.....	.....	.....	.....	.....	.....	Erman.
At sea (2 observations)	26 51	210 02	1830	8 24 E.	0 12 E.	8·6 E.	43 06 s.	.....	43·1 s.	10·18	.....	10·18	Erman.
At sea.....	27 43	210 04	1830	.....	.....	.....	44 03 s.	.....	44·0 s.	10·00	.....	10·00	Erman.
At sea (2 observations)	25 03	210 07	1830	8 03 E.	0 12 E.	8·2 E.	40 20 s.	.....	40·3 s.	9·57	.....	9·57	Erman.
At sea (5 observations)	21 42	210 09	1859	7 24 E.	0 17 W.	7·1 E.	.....	.....	... ..	.....	.....	.....	Novara.
At sea.....	26 01	210 27	1830	7 21 E.	.....	7·3 E.	.....	.....	.....	.....	.....	.....	Erman.
At sea.....	28 26	210 57	1830	8 16 E.	.....	8·3 E.	.....	.....	.....	.....	.....	.....	Erman.
At sea.....	29 00	211 08	1830	7 57 E.	.....	7·9 E.	.....	.....	.....	.....	.....	.....	Erman.
At sea.....	29 06	212 45	1830	7 54 E.	.....	7·9 E.	.....	.....	.....	.....	.....	.....	Erman.
At sea (2 observations)	28 56	213 24	1830	.....	.....	.....	45 25 s.	.....	45·4 s.	9·77	.....	9·77	Erman.
At sea (2 observations)	29 21	213 31	1830	8 40 E.	.....	8·7 E.	.....	.....	.....	.....	.....	.....	Erman.
At sea.....	28 37	213 42	1830	9 31 E.	.....	9·5 E.	.....	.....	.....	.....	.....	.....	Erman.
Pitcairn Island.....	25 02	226 52	1825	6 00 E.	.....	6·0 E.	.....	.....	.....	.....	.....	.....	Beechey.
At sea (2 observations)	23 57	227 10	1859	7 39 E.	.....	7·6 E.	.....	.....	.....	.....	.....	.....	Novara.
At sea (2 observations)	27 32	229 08	1859	8 17 E.	.....	8·3 E.	.....	.....	.....	.....	.....	.....	Novara.
At sea.....	21 51	268 05	1827	10 45 E.	.....	10·7 E.	32 06 s.	.....	32·1 s.	8·13	.....	8·13	Lütke.
At sea (5 observations)	22 26	269 12	1827	11 26 E.	.....	11·4 E.	.....	.....	.....	.....	.....	.....	Lütke.
At sea (9 observations)	20 43	270 46	1857	13 01 E.	.....	13·1 E.	.....	.....	.....	.....	.....	.....	Richards.
At sea (3 observations)	22 15	273 23	1857	13 55 E.	.....	13·9 E.	.....	.....	.....	.....	.....	.....	Richards.
At sea.....	24 26	276 45	1857	15 10 E.	.....	15·2 E.	.....	.....	.....	.....	.....	.....	Richards.
At sea (4 observations)	27 48	277 17	1827	13 17 E.	.....	13·3 E.	.....	.....	.....	.....	.....	.....	Lütke.
At sea.....	29 38	278 56	1827	12 47 E.	.....	12·8 E.	40 01 s.	.....	40 0 s.	8·96	.....	8·96	Lütke.
At sea (2 observations)	26 25	279 43	1857	16 33 E.	.....	16·5 E.	.....	.....	.....	.....	.....	.....	Richards.
At sea (2 observations)	28 27	280 47	1850	14 47 E.	.....	14·8 E.	.....	.....	.....	.....	.....	.....	Young.
At sea (3 observations)	22 34	281 59	1830	11 16 E.	.....	11·3 E.	.....	.....	.....	.....	.....	.....	Prussian ships.
At sea.....	28 32	283 22	1857	14 58 E.	.....	15·0 E.	.....	.....	.....	.....	.....	.....	Richards.
At sea (5 observations)	27 02	286 32	1827	14 05 E.	.....	14·1 E.	.....	.....	.....	.....	.....	.....	Prussian ships.
At sea.....	28 01	286 33	1836	12 52 E.	.....	12·9 E.	.....	.....	.....	.....	.....	.....	Bonite.
At sea.....	25 19	286 52	1836	13 00 E.	.....	13·0 E.	.....	.....	.....	.....	.....	.....	Bonite.
At sea.....	20 28	287 36	1836	11 08 E.	.....	11·1 E.	.....	.....	.....	.....	.....	.....	Bonite.
Coquimbo	29 59	288 34	1828	14 24 E.	.....	14·4 E.	.....	.....	.....	.....	.....	.....	Beechey.
			1868	14 17 E.	.....	14·3 E.	29 55 s.	.....	29·9 s.	7·31	.....	7·31	H.M.S. 'Nassau.'
Mean of 3 stations ...	29 56	288 37	1835	14 21 E.	.....	14·3 E.	.....	.....	.....	.....	.....	.....	FitzRoy.
Huasco (3 stations) ...	28 41	288 40	1835	13 33 E.	.....	13·5 E.	.....	.....	.....	.....	.....	.....	FitzRoy.
At sea.....	23 33	288 52	1836	11 30 E.	.....	11·5 E.	.....	.....	.....	.....	.....	.....	Bonite.
Mean of 3 stations ...	27 23	288 58	1835	13 31 E.	.....	13·5 E.	.....	.....	.....	.....	.....	.....	FitzRoy.
Copiapo	27 13	289 02	1827	13 25 E.	.....	13·4 E.	.....	.....	.....	.....	.....	.....	Prussian ships.
Lavata (3 stations) ...	25 46	289 18	1835	13 25 E.	.....	13·4 E.	.....	.....	.....	.....	.....	.....	FitzRoy.
Cobija (2 stations) ...	23 00	289 30	1835	12 39 E.	.....	12·6 E.	.....	.....	.....	.....	.....	.....	FitzRoy.
Near R. Loa (2 stations)	21 44	289 46	1835	12 03 E.	.....	12·1 E.	.....	.....	.....	.....	.....	.....	FitzRoy.
Rio Parana	29 00	300 56	1846	10 40 E.	.....	10·7 E.	.....	.....	.....	.....	.....	.....	Sulivan.
Corrientes Fort.....	27 27	301 16	1846	9 24 E.	.....	9·4 E.	.....	.....	.....	.....	.....	.....	Sulivan.
Asuncion, Paraguay...	25 16	302 32	1860	8 29 E.	.....	8·5 E.	18 04 s.	.....	18·1 s.	6·51	.....	6·51	Friesach.

SOUTH EQUATORIAL ZONE III.—Lat. 20° to 30° S. (continued).

Stations.	Lat. S.	Long. E.	Date.	Declination.			Inclination.			Force in British units.			Observers.
				Observed.	Correction to Epoch 1842·5.	Corrected.	Observed.	Cor. to Epoch 1842·5.	Corrected.	Observed.	Cor. to Epoch 1842·5.	Corrected.	
	° ′	° ′		° ′	° ′	°	° ′		°				
			1827	6 30 E.	1 31 W.	5·0 E.	.....	.....	.....	.....	.....	.....	King.
			1832	6 30 E.	1 01 W.	5·5 E.	.....	.....	.....	.....	.....	.....	FitzRoy.
St. Catherine	27 26	311 27	1836	.....	.....	.....	21 40 S.	.....	21·7 S.	.....	.....	.....	Beechey.
			1838	.....	.....	.....	21 07 S.	.....	21·1 S.	.....	.....	.....	Sulivan.
			1860	3 00 E.	1 45 E.	4·7 E.	19 47 S.	.....	19·8 S.	6·32	.....	6·32	Friesach.
At sea	29 53	311 48	1832	6 27 E.	0 58 W.	5·5 E.	.....	.....	.....	.....	.....	.....	FitzRoy.
At sea	27 56	312 42	1837	4 30 E.	0 38 W.	3·9 E.	.....	.....	.....	.....	.....	.....	Du Petit Thouars.
At sea	26 35	312 55	1838	.....	.....	.....	21 17 S.	.....	21·3 S.	6·43	.....	6·43	Sulivan.
At sea	29 03	313 06	1836	5 14 E.	0 36 W.	4·6 E.	.....	.....	.....	.....	.....	.....	Bonite.
At sea	29 10	313 35	1827	6 24 E.	1 25 W.	5·0 E.	24 27 S.	.....	24·5 S.	7·18	.....	7·18	Lütke.
At sea	29 53	313 43	1830	.....	.....	.....	25 33 S.	.....	25·6 S.	6·60	.....	6·60	Erman.
At sea	28 20	314 10	1836	3 10 E.	0 35 W.	2·6 E.	.....	.....	.....	.....	.....	.....	Bonite.
At sea (3 observations)	27 20	314 12	1827	3 59 E.	1 25 W.	2·6 E.	.....	.....	.....	.....	.....	.....	Lütke.
At sea	26 09	314 18	1837	2 44 E.	0 30 W.	2·2 E.	.....	.....	.....	.....	.....	.....	Du Petit Thouars.
At sea	28 40	314 35	1830	4 14 E.	1 08 W.	3·1 E.	.....	.....	.....	.....	.....	.....	Erman.
At sea (4 observations)	27 04	314 35	1832	4 29 E.	0 58 W.	3·4 E.	.....	.....	.....	.....	.....	.....	FitzRoy.
At sea	27 58	314 36	1830	.....	.....	.....	22 01 S.	.....	22·0 S.	6·39	.....	6·39	Erman.
At sea	27 50	315 10	1830	4 10 E.	1 09 W.	3·0 E.	.....	.....	.....	.....	.....	.....	Erman.
At sea	25 50	315 12	1830	3 33 E.	1 09 W.	2·4 E.	.....	.....	.....	.....	.....	.....	Erman.
At sea	26 38	315 44	1830	3 33 E.	1 09 W.	2·4 E.	.....	.....	.....	.....	.....	.....	Erman.
At sea	26 22	315 46	1830	.....	.....	.....	19 46 S.	.....	19·8 S.	6·27	.....	6·27	Erman.
At sea	29 47	315 50	1839	.....	.....	.....	24 00 S.	.....	24·0 S.	6·60	.....	6·60	Sulivan.
At sea	26 49	315 54	1836	3 06 E.	0 35 W.	2·5 E.	.....	.....	.....	.....	.....	.. ..	Bonite.
At sea	24 35	315 55	1838	.....	.....	.....	17 55 S.	.....	17·9 S.	6·51	.....	6·51	Sulivan.
At sea (3 observations)	27 37	315 58	1831	2 55 E.	1 03 W.	1·9 E.	.....	.....	.....	.....	.....	.....	Prussian ships.
At sea	24 12	316 23	1837	2 04 E.	0 30 W.	1·6 E.	.....	.....	.....	.....	.....	.....	Du Petit Thouars.
At sea (2 observations)	24 11	316 29	1830	1 12 E.	1 09 W.	0·0	.....	.....	.....	.....	.....	.....	Erman.
At sea (2 observations)	24 18	316 32	1830	.....	.....	.....	15 55 S.	.....	15·9 S.	6·12	.....	6·12	Erman.
At sea	23 30	316 40	1837	2 00 E.	0 30 W.	1·5 E.	.....	.....	.....	.....	.....	.....	Du Petit Thouars.
At sea	25 02	316 41	1830	2 40 E.	1 09 W.	1·5 E.	.....	.....	.....	.....	.....	.....	Erman.
Tijuco, near Rio	22 58	316 49	1860	1 24 W.	1 53 W.	3·3 W.	11 55 S.	.....	11·9 S.	6·11	.....	6·11	Friesach.
			1825	3 11 E.	1 53 W.	1·3 E.	.....	.....	.....	.....	.....		Beechey.
			1826	2 37 E.	1 47 W.	0·8 E.	14 04 S.	.....	14·1 S.	.....	.....		King.
			1827	3 00 E.	1 41 W.	1·3 E.	14 35 S.	.....	14·6 S.	6·88	.....		Lütke.
			1830	2 09 E.	1 21 W.	0·8 E.	13 35 S.	.....	13·6 S.	6·72	.....		Erman.
			1832	2 00 E.	1 08 W.	0·9 E.	.....	.....	.....	.....	.....		Laplace.
			1832	2 00 E.	1 08 W.	0·9 E.	13 37 S.	.....	13·6 S.	.....	.....		FitzRoy.
			1836	.....	.....	.....	12 54 S.	.....	12·9 S.	.....	.....		Beechey.
			1837	0 51 E.	0 36 W.	0·3 E.	13 19 S.	.....	13·3 S.	.....	.....		Du Petit Thouars.
			1838–9	.....	.....	.....	13 00 S.	.....	13·0 S.	.....	.....		Sulivan.
Rio de Janeiro	22 55	316 51	1838	.....	.....	.....	13 01 S.	.....	13·0 S.	6·40	.....	6·39	Sulivan.
			1838	.....	.....	.....	13 56 S.	.....	13·9 S.	6·41	.....		Sulivan.
						0·8 E.	13 37 S.	.....	13·6 S.		.....		
			1839	.....	.....	.....	13 05 S.	.....	13·1 S.	6·40	.....		Sulivan.
			1839	.....	.....	.....	13 10 S.	.....	13·2 S.	6·39	.....		Sulivan.
			1845	0 13 E.	0 16 E.	0·5 E.	.....	.....	.....	.....	.....		Helmreicher.
			1847	.....	.....	.....	12 17 S.	.....	12·3 S.	6·38	.....		Rattlesnake.
			1857	0 45 W.	1 37 E.	0·9 E.	11 48 S.	.....	11·8 S.	6·25	.....		Novara.
			1866	2 49 W.	2 36 E.	0·2 W.	11 47 S.	.....	11·8 S.	6·08	.....		Harkness.
			1867	.....	.....	.....	.....	.....	.....	6·03	.....		H.M.S. 'Nassau.'
At sea (2 observations)	24 20	316 51	1830	2 54 E.	1 39 W.	1·3 E.	.....	.....	.....	.....	.....	.....	Erman.
At sea (2 observations)	23 35	317 01	1832	1 48 E.	1 03 W.	0·7 E.	.....	.....	.....	.....	.....	.....	FitzRoy.
At sea	23 16	317 04	1830	2 59 E.	1 35 W.	1·4 E.	.....	.....	.....	.....	.....	.....	Erman.
At sea	23 09	317 05	1839	.....	.....	.....	13 55 S.	.....	13·9 S.	6·37	.....	6·37	Sulivan.
At sea	24 00	317 09	1847	0 47 E.	0 27 E.	1·2 E.	.....	.....	.....	.....	.....	.....	Stanley.
At sea (2 observations)	23 09	317 17	1830	1 39 E.	1 35 W.	0·1 E.	.....	.....	.....	.....	.....	.....	Erman.
At sea	24 38	317 19	1844	1 00 E.	0 09 E.	1·1 E.	.....	.....	.....	.....	.....	.....	Pasley.
At sea	24 40	317 35	1839	.....	.....	.....	16 57 S.	.....	16·9 S.	6·34	.....	6·34	Sulivan.
At sea	25 23	317 36	1836	1 09 E.	0 45 W.	0·4 E.	.....	.....	.....	.....	.....	.....	Bonite.
At sea	23 12	317 41	1830	1 39 E.	1 27 W.	0·2 E.	.....	.....	.....	.....	.....	.....	Erman.
At sea (2 observations)	23 11	318 02	1829	3 12 E.	1 34 W.	1·6 E.	.....	.....	.....	.....	.....	.....	Rumker.
Cape Frio	23 00	318 03	1828	1 07 E.	1 42 W.	0·6 W.	.....	.....	.....	.....	.....	.....	Foster.
			1831	0 12 E.	1 20 W.	1·1 W.	.....	.....	.....	.....	.....	.....	Kellett.
						0·9 W.							
At sea	24 07	318 07	1836	0 30 E.	0 44 W.	0·2 W.	.....	.....	.....	.....	.....	.....	Bonite.

SOUTH EQUATORIAL ZONE III.—Lat. 20° to 30° S. (continued).

Stations.	Lat. S.	Long. E.	Date.	Declination.			Inclination.			Force in British Units.			Observers.
				Observed.	Correction to Epoch 1842·5.	Corrected.	Observed.	Cor. to Epoch 1842·5.	Corrected.	Observed.	Cor. to Epoch 1842·5.	Corrected.	
	° ′	° ′		° ′	° ′	°	° ′		°				
At sea	23 05	318 09	1836	2 30 E.	0 44 W.	1·8 E.	.....	.....	.....	.....	.....	.....	Bonite.
At sea	29 17	318 13	1843	0 00	.....	0·0	.....	.....	.....	.....	.....	.....	Pasley.
At sea	23 30	318 13	1830	1 03 E.	1 15 W.	0·2 W.	.....	.....	.....	.....	.....	.....	Erman.
At sea (2 observations)	28 14	318 25	1844	0 00	0 10 W.	0·2 W.	.....	.....	.....	.....	.....	.....	Pasley.
At sea	24 56	318 37	1836	0 23 E.	0 39 W.	0·3 W.	.....	.....	.....	.....	.....	.....	Bonite.
At sea	27 11	318 38	1844	0 00	.....	0·0	.....	.....	.....	.....	.....	.....	Pasley.
At sea	23 49	318 45	1830	0 28 E.	1 15 W.	0·8 W.	.....	.....	.....	.....	.....	.....	Erman.
At sea	23 51	318 51	1830	.....	.....	.....	16 27 S.	.....	16·5 S.	.....	.....	.....	Erman.
At sea (3 observations)	22 53	319 03	1832	0 15 E.	1 03 W.	0·8 W.	.....	.....	.....	.....	.....	.....	FitzRoy.
At sea	22 53	319 18	1837	2 12 W.	0 33 W.	2·7 W.	.....	.....	.....	.....	.....	.....	Du Petit Thouars.
At sea	25 59	319 19	1847	1 33 W.	0 30 E.	1·0 W.	.....	.....	.....	.....	.....	.....	Stanley.
At sea (3 observations)	25 57	319 21	1847	.....	.....	.....	17 43 S.	.....	17·7 S.	6·54	.....	6·54	Rattlesnake.
At sea (2 observations)	24 15	319 36	1830	0 50 W.	1 15 W.	2·1 W.	16 35 S.	.....	16·6 S.	6·45	.....	6·45	Erman.
At sea	23 11	319 49	1826	3 18 E.	1 27 W.	2·8 W.	.....	.....	.....	.....	.....	.. ..	Prussian ships.
At sea	24 50	320 31	1830	.....	.....	.....	17 27 S.	.....	17·5 S.	6·56	.....	6·56	Erman.
At sea	20 50	320 32	1843	3 00 W.	.....	3·0 W.	.....	.....	.....	.....	.....	.....	Pasley.
At sea	22 07	320 39	1847	3 01 W.	0 27 E.	2·6 W.	.....	.....	.....	.....	.....	.....	Stanley.
At sea (3 observations)	22 09	320 42	1847	.....	.....	.....	10 54 S.	.....	10·9 S.	6·37	.....	6·37	Rattlesnake.
At sea (4 observations)	25 54	321 00	1829	3 24 E.	1 21 W.	2·0 W.	.....	.....	.....	.....	.....	.....	Rumker.
At sea	24 43	321 12	1830	1 15 W.	1 15 W.	2·5 W.	.....	.....	.....	.....	.....	.....	Erman.
At sea (3 observations)	22 08	321 35	1826	0 09 E.	1 39 W.	1·5 W.	.....	.....	.....	.....	.....	.....	Prussian ships.
At sea (3 observations)	27 26	321 49	1847	.....	.....	.....	20 31 S.	.....	20·5 S.	.....	.....	.....	Rattlesnake.
At sea	23 27	321 50	1839	.....	.....	.....	12 52 S.	.....	12·9 S.	6·17	.....	6·17	Sulivan.
At sea (2 observations)	21 21	321 58	1833	2 20 W.	0 57 W.	3·3 W.	.....	.....	.....	.....	.....	.....	Prussian ships.
At sea	20 12	322 06	1847	5 05 W.	0 27 E.	4·6 W.	.....	.....	.....	.....	.....	.....	Stanley.
At sea (3 observations)	20 05	322 08	1847	.....	.....	.....	8 15 S.	.....	8·3 S.	6·26	.....	6·26	Rattlesnake.
At sea	27 52	322 42	1847	2 20 W.	0 27 E.	1·9 W.	.....	.....	.....	.....	.....	.....	Stanley.
At sea	24 58	322 46	1830	1 21 W.	1 15 W.	2·6 W.	.....	.....	.....	.....	.....	.....	Erman.
At sea (3 observations)	27 23	322 48	1857	3 54 W.	1 27 E.	2·4 W.	.....	.....	.....	.....	.....	.....	Novara.
At sea	23 05	323 39	1839	.....	.....	.....	13 00 S.	.....	13·0 S.	6·09	.....	6·09	Sulivan.
At sea (3 observations)	28 23	323 47	1847	.....	.....	.....	22 36 S.	.....	22·6 S.	6·46	.....	6·46	Rattlesnake.
At sea (2 observations)	24 50	323 48	1830	2 29 W.	1 15 W.	3·7 W.	.....	.....	.....	.....	.....	.....	Erman.
At sea	24 53	324 26	1830	.....	.....	.....	18 35 S.	.....	18·6 S.	6·36	.....	6·36	Erman.
At sea	20 56	324 42	1830	3 45 W.	1 15 W.	5·0 W.	9 47 S.	.....	9·8 S.	6·03	.....	6·03	Erman.
At sea	20 10	324 52	1830	3 19 W.	1 15 W.	4·6 W.	7 56 S.	.....	7·9 S.	5·44	.....	5·44	Erman.
At sea (2 observations)	22 29	324 52	1830	3 33 W.	1 15 W.	4·8 W.	.....	.....	.....	.....	.....	.....	Erman.
At sea	22 39	324 58	1842	3 30 W.	.....	3·5 W.	.....	.....	.....	.....	.....	.....	Bérard.
At sea (3 observations)	24 58	325 03	1830	2 49 W.	1 15 W.	4·1 W.	.....	.....	.....	.....	.....	.....	Erman.
At sea	20 29	325 07	1826	2 00 W.	1 39 W.	3·6 W.	.....	.....	.....	.....	.....	.....	Lütke.
At sea (2 observations)	24 03	325 09	1830	3 17 W.	1 15 W.	4·5 W.	.....	.....	.....	.....	.....	.....	Erman.
At sea	24 44	325 10	1830	3 05 W.	1 15 W.	4·3 W.	.....	.....	.....	.....	.....	.....	Erman.
At sea (2 observations)	24 16	325 12	1830	.....	.....	.....	16 07 S.	.....	16·1 S.	6·05	.....	6·05	Erman.
At sea	23 21	325 15	1830	3 12 W.	1 15 W.	4·4 W.	.....	.....	.....	.....	.....	.....	Erman.
At sea	22 21	325 34	1839	.....	.....	.....	12 37 S.	.....	12·6 S.	6·00	.....	6·00	Sulivan.
At sea	21 40	325 55	1839	.....	.....	.....	10 55 S.	.....	10·9 S.	6·21	.....	6·21	Sulivan.
At sea (2 observations)	28 56	327 03	1857	6 36 W.	1 27 E.	5·1 W.	.....	.....	.....	.....	.....	.....	Novara.
At sea (2 observations)	26 02	328 18	1842	4 30 W.	.....	4·5 W.	.....	.....	.....	.....	.....	.....	Bérard.
At sea	21 11	329 31	1822	3 20 W.	2 00 W.	5·3 W.	12 42 S.	.....	12·7 S.	.....	.....	.....	Duperrey.
At sea (3 observations)	28 36	329 42	1850	.....	.....	.....	20 55 S.	.....	20·9 S.	6·54	.....	6·54	Rattlesnake.
At sea	25 38	329 54	1826	4 55 W.	1 39 W.	6·6 W.	.....	.....	.....	.....	.....	.....	D'Urville.
At sea	22 01	330 22	1826	6 10 W.	1 39 W.	7·8 W.	.....	.....	.....	.....	.....	.....	D'Urville.
At sea	20 30	330 37	1839	8 01 W.	0 21 W.	8·4 W.	.....	.....	.....	.....	.....	.....	Ross.
At sea (3 observations)	27 28	330 38	1842	5 40 W.	.....	5·7 W.	.....	.....	.....	.....	.....	.....	Bérard.
Island of Trinidad ...	20 31	330 38	1839	.....	.....	.....	.....	.....	.....	6·09	.....	6·09	Erebus.
At sea (3 observations)	20 15	330 44	1842	.....	.....	.....	12 03 S.	.....	12·1 S.	6·23	.....	6·23	H.M.S. 'Fly.'
At sea	21 30	330 46	1839	9 43 W.	0 21 W.	10·1 W.	.....	.....	.....	.....	.....	.....	Ross.
At sea	21 31	330 47	1839	.....	.....	.....	.....	.....	.....	6·12	.....	6·12	Erebus.
At sea	21 47	330 50	1839	.....	.....	.....	.....	.....	.....	6·13	.....	6·13	Erebus.
At sea	22 40	330 52	1839	9 01 W.	0 21 W.	9·4 W.	.....	.....	.....	.....	.....	.....	Ross.
At sea (2 observations)	23 14	330 55	1839	.....	.....	.....	.....	.....	.....	6·17	.....	6·17	Erebus.
At sea	23 19	330 56	1839	7 45 W.	0 21 W.	8·1 W.	.....	.....	.....	.....	.....	.....	Ross.
At sea	20 01	331 00	1830	6 04 W.	1 15 W.	7·3 W.	.....	.....	.....	.....	.....	.....	Biscoe.

SOUTH EQUATORIAL ZONE III.—Lat. 20° to 30° S. (continued).

Stations.	Lat. S.	Long. E.	Date.	Declination.			Inclination.			Force in British Units.			Observers.
				Observed.	Correction to Epoch 1842·5.	Corrected.	Observed.	Cor. to Epoch 1842·5.	Corrected.	Observed.	Cor. to Epoch 1842·5.	Corrected.	
	° ′	° ′		° ′	° ′	°	° ′		°				
At sea	24 16	331 45	1839	.....	.....	.....	.....	.....	.....	6·21	.....	6·21	Erebus.
At sea	24 28	331 57	1839	.....	.....	.....	.....	.....	.....	6·20	.....	6·20	Erebus.
At sea	24 42	332 05	1839	7 08 w.	0 21 w.	7·5 w.	.....	.....	.....	.....	.....	.....	Ross.
At sea (3 observations)	25 50	332 20	1842	.....	.....	.....	20 37 s.	.....	20·6 s.	6·28	.....	6·28	H.M.S. 'Fly.'
At sea (2 observations)	25 40	332 46	1839	.....	.....	.....	.....	.....	.....	6·20	.....	6·20	Erebus.
At sea	21 08	333 04	1831	.....	.....	.....	12 12 s.	.....	12·2 s.	6·37	.....	6·37	Dunlop.
At sea (2 observations)	26 12	333 22	1839	.....	.....	.....	.....	.....	.....	6·24	.....	6·24	Erebus.
At sea	26 58	333 24	1839	9 24 w.	0 21 w.	9·7 w.	.....	.....	.....	.....	.....	.....	Ross.
At sea	26 37	333 26	1839	8 02 w.	0 21 w.	8·4 w.	.....	.....	.....	.....	.....	.....	Ross.
At sea	26 49	333 30	1839	.....	.....	.....	.....	.....	.....	6·29	.....	6·29	Erebus.
At sea	26 52	333 30	1839	.....	.....	.....	.....	.....	.....	6·28	.....	6·38	Erebus.
At sea	28 16	333 48	1859	12 45 w.	1 39 E.	11·1 w.	.....	.....	.....	.....	.....	.....	Novara.
At sea (3 observations)	26 52	334 00	1850	.....	.....	.....	20 40 s.	.....	20·7 s.	6·51	.....	6·51	Rattlesnake.
At sea (3 observations)	27 30	334 00	1842	.....	.....	.....	24 16 s.	.....	24·3 s.	6·30	.....	6·30	H.M.S. 'Fly.'
At sea (2 observations)	27 04	334 13	1839	.....	.....	.....	.....	.....	.....	6·26	.....	6·26	Erebus.
At sea	27 04	334 14	1839	10 04 w.	0 21 w.	10·4 w.	.....	.....	.....	.....	.....	.....	Ross.
At sea (3 observations)	29 05	334 33	1842	.....	.....	.....	25 16 s.	.....	25·3 s.	6·41	.....	6·41	H.M.S. 'Fly.'
At sea	23 06	334 39	1831	.....	.....	.....	15 12 s.	.....	15·2 s.	6·29	.....	6·29	Dunlop.
At sea (4 observations)	26 30	334 39	1859	13 33 w.	1 22 E.	12·2 w.	.....	.....	.....	.....	.....	.....	Novara.
At sea (3 observations)	21 04	334 46	1850	.....	.....	.....	12 32 s.	.....	12·5 s.	6·42	.....	6·42	Rattlesnake.
At sea (4 observations)	26 02	334 46	1859	13 19 w.	1 22 E.	12·0 w.	.....	.....	.....	.....	.....	.....	Novara.
At sea (4 observations)	25 11	334 46	1859	13 23 w.	1 22 E.	12·0 w.	.....	.....	.....	.....	.....	.....	Novara.
At sea (3 observations)	23 10	334 51	1850	.....	.....	.....	15 19 s.	.....	15·3 s.	6·27	.....	6·27	Rattlesnake.
At sea (2 observations)	27 44	335 06	1839	.....	.....	.....	.....	.....	.....	6·33	.....	6·33	Erebus.
At sea	27 40	335 06	1839	9 37 w.	0 17 w.	9·9 w.	.....	.....	.....	.....	.....	.....	Ross.
At sea (2 observations)	26 06	335 19	1839	.....	.....	.....	.....	.....	.....	6·24	.....	6·24	Erebus.
At sea	25 30	335 20	1839	10 35 w.	0 17 w.	10·9 w.	.....	.....	.....	.....	.....	.....	Ross.
At sea	26 55	335 21	1839	9 48 w.	0 17 w.	10·1 w.	.....	.....	.....	.....	.....	.....	Ross.
At sea	26 53	335 26	1839	.....	.....	.....	.....	.....	.....	6·29	.....	6·29	Erebus.
At sea	25 21	335 28	1839	.....	.....	.....	.....	.....	.....	6·19	.....	6·19	Erebus.
At sea	25 45	335 43	1839	10 22 w.	0 17 w.	10·6 w.	.....	.....	.....	.....	.....	.....	Ross.
At sea (3 observations)	26 20	335 43	1850	.....	.....	.....	21 06 s.	.....	21·1 s.	6·56	.....	6·56	Rattlesnake.
At sea (6 observations)	25 32	335 53	1850	.....	.....	.....	19 09 s.	.....	19·2 s.	6·56	.....	6·56	Rattlesnake.
At sea	26 12	336 12	1839	.....	.....	.....	.....	.....	.....	6·21	.....	6·21	Erebus.
At sea	29 30	336 40	1831	.....	.....	.....	26 02 s.	.....	26·0 s.	6·44	.....	6·44	Dunlop.
At sea	25 02	336 50	1831	.....	.....	.....	17 45 s.	.....	17·7 s.	6·22	.....	6·22	Dunlop.
At sea	26 51	337 11	1839	11 10 w.	0 17 w.	11·4 w.	.....	.....	.....	.....	.....	.....	Ross.
At sea	29 06	337 17	1831	.....	.....	.....	26 20 s.	.....	26·3 s.	6·44	.....	6·44	Dunlop.
At sea (2 observations)	27 05	337 25	1839	.....	.....	.....	.....	.....	.....	6·24	.....	6·24	Erebus.
At sea	27 51	337 51	1831	.....	.....	.....	24 57 s.	.....	24·9 s.	6·14	.....	6·14	Dunlop.
At sea	27 44	338 36	1839	12 00 w.	0 17 w.	12·3 w.	.....	.....	.....	.....	.....	.....	Ross.
At sea (2 observations)	27 44	338 37	1839	.....	.....	.....	.....	.....	.....	6·24	.....	6·24	Erebus.
At sea	26 12	339 12	1831	.....	.....	.....	19 50 s.	.....	19·8 s.	6·37	.....	6·37	Dunlop.
At sea	27 02	339 15	1831	.....	.....	.....	23 46 s.	.....	23·8 s.	6·07	.....	6·07	Dunlop.
At sea	28 17	339 59	1840	.....	.....	.....	.....	.....	.....	6·08	.....	6·08	Terror.
At sea	28 15	340 08	1840	13 23 w.	0 12 w.	13·6 w.	.....	.....	.....	.....	.....	.....	Ross.
At sea	28 19	340 10	1840	.....	.....	.....	.....	.....	.....	6·20	.....	6·20	Erebus.
At sea	25 56	340 34	1831	.....	.....	.....	22 01 s.	.....	22·0 s.	6·14	.....	6·14	Dunlop.
At sea	28 03	341 41	1840	.....	.....	.....	.....	.....	.....	6·05	.....	6·05	Terror.
At sea	28 01	341 45	1840	.....	.....	.....	.....	.....	.....	6·20	.....	6·20	Erebus.
At sea	27 55	341 50	1840	13 13 w.	0 12 w.	13·4 w.	.....	.....	.....	.....	.....	.....	Ross.
At sea	27 48	341 53	1840	.....	.....	.....	.....	.....	.....	6·15	.....	6·15	Terror.
At sea	27 33	342 27	1840	13 41 w.	0 12 w.	13·9 w.	.....	.....	.....	.....	.....	.....	Ross.
At sea	27 26	342 28	1840	.....	.....	.....	.....	.....	.....	6·13	.....	6·13	Terror.
At sea	27 26	342 29	1840	.....	.....	.....	.....	.....	.....	6·22	.....	6·22	Erebus.
At sea	25 50	342 55	1840	.....	.....	.....	.....	.....	.....	6·20	.....	6·20	Terror.
At sea	25 48	342 55	1840	14 11 w.	0 12 w.	14·4 w.	.....	.....	.....	.....	.....	.....	Ross.
At sea (2 observations)	25 34	342 58	1840	.....	.....	.....	.....	.....	.....	6·17	.....	6·17	Erebus.
At sea	26 50	342 58	1840	.....	.....	.....	.....	.....	.....	6·18	.....	6·18	Terror.
At sea	26 46	342 58	1840	.....	.....	.....	.....	.....	.....	6·18	.....	6·18	Erebus.
At sea	24 28	343 00	1840	.....	.....	.....	.....	.....	.....	6·11	.....	6·11	Terror.
At sea	24 39	343 02	1840	14 26 w.	.....	14·4 w.	.....	.....	.....	.....	.....	.....	Ross.

SOUTH EQUATORIAL ZONE III.—Lat. 20° to 30° S. (continued).

Stations.	Lat. S.	Long. E.	Date.	Declination.			Inclination.			Force in British units.			Observers.
				Observed.	Correction to Epoch 1842·5.	Corrected.	Observed.	Cor. to Epoch 1842·5.	Corrected.	Observed.	Cor. to Epoch 1842·5.	Corrected.	
	° ′	° ′		° ′		°							
At sea (2 observations)	24 10	343 05	1840	.....	.....	.....	.....	.....	.....	6·08	.....	6·08	Erebus.
At sea	22 56	343 30	1840	.....	.....	.....	.....	.....	.....	6·12	.....	6·12	Terror.
At sea	22 54	343 36	1840	14 59 w.	.....	15·0 w.	.....	.....	.....	.....	.....	.....	Ross.
At sea (3 observations)	22 41	343 42	1840	.....	.....	.....	.....	.....	.....	6·08	.....	6·08	Erebus.
At sea	21 43	344 13	1840	.....	.....	.....	.....	.....	.....	6·08	.....	6·08	Terror.
At sea (2 observations)	21 30	344 17	1840	.....	.....	.....	.....	.....	.....	6·07	.....	6·07	Erebus.
At sea	20 31	345 05	1840	.....	.....	.....	.....	.....	.....	6·00	.....	6·00	Terror.
At sea	20 20	345 07	1840	17 50 w.	.....	17·8 w.	.....	.....	.....	.....	.....	.....	Ross.
At sea (3 observations)	20 20	345 12	1840	.....	.....	.....	.....	.....	.....	6·07	.....	6·07	Erebus.
At sea	29 56	345 53	1846	17 48 w.	.....	17·8 w.	.....	.....	.....	.....	.....	.....	Bérard.
At sea	27 00	346 33	1840	17 53 w.	.....	17·9 w.	.....	.....	.....	.....	.....	.....	Ross.
At sea (2 observations)	27 03	346 33	1840	.....	.....	.....	.....	.....	.....	6·32	.....	6·32	Erebus.
At sea	26 51	346 37	1840	.....	.....	.....	.....	.....	.....	6·21	.....	6·21	Terror.
At sea	27 54	346 42	1840	.....	.....	.....	.....	.....	.....	6·26	.....	6·26	Terror.
At sea (2 observations)	27 56	346 43	1840	.....	.....	.....	.....	.....	.....	6·25	.....	6·25	Erebus.
At sea	27 53	346 43	1840	18 30 w.	.....	18·5 w.	.....	.....	.....	.....	.....	.....	Ross.
At sea (2 observations)	26 08	347 03	1840	.....	.....	.....	.....	.....	.....	6·19	.....	6·19	Erebus.
At sea	26 03	247 07	1840	.....	.....	.....	.....	.....	.....	6·16	.....	6·16	Terror.
At sea	26 10	347 18	1840	17 51 w.	.....	17·8 w.	.....	.....	.....	.....	.....	.....	Ross.
At sea	25 23	347 49	1840	19 55 w.	.....	19·9 w.	.....	.....	.....	.....	.....	.....	Ross.
At sea	25 38	347 41	1840	.....	.....	.....	.....	.....	.....	6·21	.....	6·21	Erebus.
At sea	25 18	347 54	1840	.....	.....	.....	.....	.....	.....	6·15	.....	6·15	Terror.
At sea (2 observations)	25 20	347 54	1840	.....	.....	.....	.....	.....	.....	6·14	.....	6·14	Erebus.
At sea (4 observations)	24 26	348 12	1840	.....	.....	.....	.....	.....	.....	6·14	.....	6·14	Erebus.
At sea	28 48	348 14	1840	18 19 w.	.....	18·3 w.	.....	.....	.....	.....	.....	.....	Ross.
At sea	28 47	348 15	1840	.....	.....	.....	.....	.....	.....	6·32	.....	6·32	Terror.
At sea (5 observations)	24 35	348 34	1840	.....	.....	.....	.....	.....	.....	6·11	.....	6·11	Terror.
At sea (2 observations)	24 33	348 39	1840	.....	.....	.....	.....	.....	.....	6·12	.....	6·12	Erebus.
At sea	24 41	348 39	1840	20 21 w.	.....	20·3 w.	.....	.....	.....	.....	.....	.....	Ross.
At sea (2 observations)	29 03	348 46	1840	.....	.....	.....	.....	.....	.....	6·26	.....	6·26	Erebus.
At sea	28 05	349 15	1846	19 56 w.	.....	19·9 w.	.....	.....	.....	.....	.....	.....	Bérard.
At sea (3 observations)	23 47	350 29	1840	.....	.....	.....	.....	.....	.....	6·12	.....	6·12	Erebus.
At sea (4 observations)	23 37	350 35	1840	.....	.....	.....	.....	.....	.....	6·10	.....	6·10	Terror.
At sea	29 56	350 42	1840	.....	.....	.....	.....	.....	.....	6·27	.....	6·27	Terror.
At sea	29 58	350 52	1840	19 55 w.	.....	19·9 w.	.....	.....	.....	.....	.....	.....	Ross.
At sea	23 32	351 04	1840	21 39 w.	.....	21·6 w.	.....	.....	.....	.....	.....	.....	Ross.
At sea (2 observations)	23 35	351 05	1840	.....	.....	.....	.....	.....	.....	6·14	.....	6·14	Erebus.
At sea	22 00	351 19	1840	22 17 w.	.....	22·3 w.	.....	.....	.....	.....	.....	.....	Ross.
At sea (2 observations)	22 21	351 22	1840	.....	.....	.....	.....	.....	.....	6·12	.....	6·12	Erebus.
At sea (3 observations)	22 14	351 25	1840	.....	.....	.....	.....	.....	.....	6·19	.....	6·19	Terror.
At sea (2 observations)	22 02	351 27	1840	.....	.....	.....	.....	.....	.....	6·15	.....	6·15	Erebus.
At sea (4 observations)	22 00	351 30	1840	.....	.....	.....	.....	.....	.....	6·20	.....	6·20	Terror.
At sea (2 observations)	20 51	351 54	1840	.....	.....	.....	.....	.....	.....	6·17	.....	6·17	Erebus.
At sea	20 15	352 04	1840	23 12 w.	.....	23·2 w.	.....	.....	.....	.....	.....	.....	Ross.
At sea	20 22	352 06	1840	.....	.....	.....	.....	.....	.....	6·14	.....	6·14	Terror.
At sea	24 50	353 32	1846	21 09 w.	.....	21·1 w.	.....	.....	.....	.....	.....	.....	Bérard.

SOUTH EQUATORIAL ZONE IV.—LATITUDE 30° TO 40° S.

Authorities.

Bérard .....MS. received from Admiral Duperrey.
Bonite .....Voyage de la Bonite (Paris, 1842).
Novara .....(Austrian Frigate) Reise um die Erde (Wien, 1862–65).
Vénus (La) .....Voyage de la Vénus (Paris, 1841).

Authorities (continued).

Erman	Reise um die Erde (Berlin, 1841).
Dunlop, Smith, Moore, Clerk, Pagoda, Erebus, Terror, Bethune, Wickham, Dayman, Sulivan, Stanley, Ross, Crozier, Pasley	Contributions to Terrestrial Magnetism (Sabine in Philosophical Transactions, 1840 and 1849).
Du Petit Thouars	Sabine in Phil. Trans. 1849.
D'Urville, Lütke, Prussian Ships, Jehenne, Owen, Bellamy, Stirling, Duperrey, Bougainville, Herd, Cécille, Laplace, King, Morrell, Kotzebue	L. S. Kämtz, MSS. in the Magnetic Office, Kew Observatory.
FitzRoy	Voyage of the 'Beagle' (1849).
Rattlesnake	H.M.S. 'Rattlesnake,' MSS. in the Hydrographic Office.
Belcher	MSS. in the Magnetic Office, and Sabine in Phil. Trans. 1840.
Anonymous	MSS. in the Magnetic Office, received from Hydrographic Office.
D'Orbigny	L. S. Kämtz, MSS.
Biscoe	L. S. Kämtz, MSS.
Rumker	L. S. Kämtz, MSS.
Denham	MSS. in Magnetic Office, received from Hydrographic Office.
Beechey	MSS. in Magnetic Office, received from Admiral Sir E. Belcher.
Harkness	Smithsonian Contributions, vol. xviii.
H.M.S. 'Fly'	MSS. in the Hydrographic Office.
H.M.S. 'Nassau'	MSS. in the Hydrographic Office.
Macrae (U.S. Navy)	Astronomical Expedition from Santiago de Chilé to Buenos Ayres.
Stokes	H.M.S. 'Acheron,' MSS. in the Hydrographic Office.
Drury	H.M.S. 'Pandora,' MSS. in the Hydrographic Office.
Kerr	H.M.S. 'Pandora,' MSS. in the Hydrographic Office.
Kellett	H.M.S. 'Herald,' MSS. in the Hydrographic Office.
Richards	H.M.S. 'Hecate,' MSS. in the Hydrographic Office.

SOUTH EQUATORIAL ZONE IV.—Lat. 30° to 40° S.

Stations.	Lat. S.	Long. E.	Date.	Declination.			Inclination.			Force in British units.			Observers.
				Observed.	Correction to Epoch 1842·5.	Corrected.	Observed.	Cor. to Epoch 1842·5.	Corrected.	Observed.	Cor. to Epoch 1842·5.	Corrected.	
	° ′	° ′		° ′	° ′	°	° ′		°				
At sea	38 44	0 16	1831	.....	.....	.....	43 44 s.	.....	43·7 s.	6·82	.....	6·82	Dunlop.
At sea	38 52	1 01	1847	23 41 w.	0 15 E.	23·4 w.	.....	.....	.....	.....	.....	.....	Stanley.
At sea	32 00	1 48	1840	24 07 w.	0 06 w.	24·2 w.	.....	.....	.....	.....	.....	.....	Ross.
At sea	31 57	2 02	1840	.....	.....	.....	.....	.....	.....	6·64	.....	6·64	Terror.
At sea	32 01	2 17	1840	.....	.....	.....	.....	.....	.....	6·63	.....	6·63	Ross.
At sea	39 03	3 16	1831	.....	.....	.....	44 48 s.	.....	44·8 s.	6·82	.....	6·82	Dunlop.
At sea (3 observations)	38 28	3 37	1847	.....	.....	.....	48 06 s.	.....	48·1 s.	7·27	.....	7·27	Rattlesnake.
At sea	32 39	4 18	1840	.....	.....	.....	.....	.....	.....	6·85	.....	6·85	Ross.
At sea	38 00	4 20	1844	.....	.....	.....	52 00 s.	.....	52·0 s.	.....	.....	.....	Smith.
At sea	32 35	4 20	1840	.....	.....	.....	.....	.....	.....	6·67	.....	6·67	Terror.
At sea	32 41	4 24	1840	24 49 w.	0 06 w.	25·9 w.	.....	.....	.....	.....	.....	.....	Ross.
At sea (3 observations)	35 23	4 25	1857	26 19 w.	0 44 E.	25·6 w.	.....	.....	.....	.....	.....	.....	Novara.
At sea	38 19	4 37	1847	24 30 w.	0 14 E.	24·3 w.	.....	.....	.....	.....	.....	.....	Stanley.
At sea	39 45	4 40	1831	.....	.....	.....	46 24 s.	.....	46·4 s.	6·89	.....	6·89	Dunlop.
At sea	33 02	5 40	1840	.....	.....	.....	.....	.....	.....	6·89	.....	6·89	Terror.
At sea	33 09	5 48	1840	.....	.....	.....	.....	.....	.....	6·84	.....	6·84	Ross.
At sea	33 14	6 03	1840	26 48 w.	0 04 w.	26·9 w.	.....	.....	.....	.....	.....	.....	Ross.
At sea	39 10	6 20	1831	.....	.....	.....	46 55 s.	.....	46·9 s.	6·97	.....	6·97	Dunlop.
At sea (2 observations)	35 58	7 17	1826	24 40 w.	0 33 w.	25·2 w.	.....	.....	.....	.....	.....	.....	D'Urville.
At sea (2 observations)	33 25	7 30	1840	.....	.....	.....	.....	.....	.....	6·91	.....	6·91	Ross.
At sea	33 20	7 32	1840	.....	.....	.....	.....	.....	.....	6·88	.....	6·88	Terror.
At sea (3 observations)	37 42	7 37	1847	.....	.....	.....	49 33 s.	.....	49·5 s.	7·35	.....	7·35	Rattlesnake.
At sea	38 28	7 45	1844	.....	.....	.....	53 03 s.	.....	53·0 s.	.....	.....	.....	Smith.
At sea	33 29	7 48	1840	27 13 w.	0 04 w.	27·3 w.	.....	.....	.....	.....	.....	.....	Ross.
At sea	33 10	9 02	1840	.....	.....	.....	.....	.....	.....	6·91	.....	6·91	Terror.
At sea	33 21	9 04	1840	.....	.....	.....	.....	.....	.....	6·93	.....	6·93	Ross.
At sea	33 27	9 06	1840	28 27 w.	0 04 w.	28·5 w.	.....	.....	.....	.....	.....	.....	Ross.
At sea	37 10	9 28	1847	27 12 w.	0 10 E.	27·0 w.	.....	.....	.....	.....	.....	.....	Stanley.
At sea	33 01	9 52	1840	28 21 w.	0 04 w.	28·4 w.	.....	.....	.....	.....	.....	.....	Ross.
At sea	33 03	9 55	1840	.....	.....	.....	.....	.....	.....	7·04	.....	7·04	Terror.
At sea	38 11	10 07	1842	26 00 w.	.....	26·0 w.	.....	.....	.....	.....	.....	.....	Bérard.
At sea	33 08	10 11	1840	.....	.....	.....	.....	.....	.....	6·97	.....	6·97	Ross.
At sea	39 00	10 12	1831	.....	.....	.....	48 31 s.	.....	48·5 s.	6·97	.....	6·97	Dunlop.
At sea (3 observations)	36 48	10 19	1847	.....	.....	.....	50 27 s.	.....	50·4 s.	7·43	.....	7·43	Rattlesnake.
At sea	33 14	10 37	1840	29 22 w.	0 05 w.	29·5 w.	.....	.....	.....	.....	.....	.....	Ross.
At sea	30 02	11 37	1839	26 21 w.	0 07 w.	26·5 w.	.....	.....	.....	.....	.....	.....	Du Petit Thouars.
At sea	33 08	11 43	1840	.....	.....	.....	.....	.....	.....	7·15	.....	7·15	Terror.
At sea (3 observations)	36 41	11 48	1847	.....	.....	.....	50 50 s.	.....	50·8 s.	7·48	.....	7·48	Rattlesnake.
At sea	33 11	11 57	1840	.....	.....	.....	.....	.....	.....	6·99	.....	6·99	Ross.
At sea	39 06	12 00	1844	.....	.....	.....	55 42 s.	.....	55·7 s.	.....	.....	.....	Smith.
At sea	36 40	12 05	1847	27 50 w.	.....	27·8 w.	.....	.....	.....	.....	.....	.....	Stanley.
At sea	31 25	13 21	1839	27 19 w.	.....	27·3 w.	.....	.....	.....	.....	.....	.....	Du Petit Thouars.
At sea (6 observations)	35 24	13 23	1845	.....	.....	.....	51 19 s.	.....	51·3 s.	6·99	.....	6·99	Moore.
At sea (4 observations)	37 25	13 24	1845	.....	.....	.....	51 44 s.	.....	51·7 s.	7·23	.....	7·23	Clerk.
At sea (3 observations)	35 10	13 25	1845	25 40 w.	.....	25·7 w.	.....	.....	.....	.....	.....	.....	Pagoda.
At sea (3 observations)	35 12	13 28	1845	.....	.....	.....	51 35 s.	.....	51·6 s.	7·12	.....	7·12	Clerk.
At sea	33 00	13 36	1840	28 44 w.	.....	28·7 w.	.....	.....	.....	.....	.....	.....	Ross.
At sea (3 observations)	34 14	13 44	1857	29 31 w.	0 15 E.	29·3 w.	.....	.....	.....	.....	.....	.....	Novara.
At sea	32 56	13 48	1840	.....	.....	.....	.....	.....	.....	7·16	.....	7·16	Terror.
At sea	36 20	13 48	1847	28 27 w.	.....	28·5 w.	.....	.....	.....	.....	.....	.....	Stanley.
At sea	35 17	14 00	1845	27 15 w.	.....	27·3 w.	51 16 s.	.....	51·3 s.	6·92	.....	6·92	Moore and Clerk.
At sea	32 57	14 00	1840	.....	.....	.....	.....	.....	.....	7·09	.....	7·09	Ross.
At sea	39 07	14 00	1831	.....	.....	.....	49 55 s.	.....	49·9 s.	7·19	.....	7·19	Dunlop.
At sea (6 observations)	36 24	14 02	1847	.....	.....	.....	52 12 s.	.....	52·2 s.	7·60	.....	7·60	Rattlesnake.
At sea	30 40	14 08	1837	28 35 w.	0 05 w.	28·7 w.	.....	.....	.....	.....	.....	.....	Bonite.
At sea (4 observations)	32 59	14 18	1829	27 40 w.	0 13 w.	27·9 w.	.....	.....	.....	.....	.....	.....	Lütke.
At sea	32 53	14 21	1840	29 36 w.	.....	29·6 w.	.....	.....	.....	.....	.....	.....	Ross.
At sea	38 43	14 25	1845	25 09 w.	.....	25·1 w.	.....	.....	.....	.....	.....	.....	Pagoda.
At sea (7 observations)	38 42	14 27	1845	.....	.....	.....	53 31 s.	.....	53·5 s.	7·33	.....	7·33	Moore.
At sea (4 observations)	38 37	14 27	1845	.....	.....	.....	52 39 s.	.....	52·6 s.	7·55	.....	7·55	Clerk.
At sea (11 observations)	39 18	14 28	1845	28 20 w.	.....	28·3 w.	.....	.....	.....	.....	.....	.....	Pagoda.
At sea (5 observations)	33 14	14 29	1836	28 53 w.	.....	28·9 w.	.....	.....	.....	.....	.....	.....	Prussian ships.

SOUTH EQUATORIAL ZONE IV.—Lat. 30° to 40° S. (continued).

Stations.	Lat. S.	Long. E.	Date.	Declination.			Inclination.			Force in British units.			Observers.
				Observed.	Correction to Epoch 1842·5.	Corrected.	Observed.	Cor. to Epoch 1842·5.	Corrected.	Observed.	Cor. to Epoch 1842·5.	Corrected.	
	° ′	° ′		° ′	° ′	°	° ′	′	°				
At sea (7 observations)	39 10	14 38	1845	.....	.....	.....	54 12 s.	.....	54·2 s.	7·22	.....	7·22	Moore.
At sea (4 observations)	39 10	14 41	1845	.....	.....	.....	54 14 s.	.....	54·2 s.	7·41	.....	7·41	Clerk.
At sea (4 observations)	35 26	15 08	1845	28 39 w.	.....	28·7 w.	.....	.....	.....	.....	.....	.....	Pagoda.
At sea (6 observations)	35 29	15 09	1845	.....	.....	.....	51 27 s.	.....	51·5 s.	7·25	.....	7·25	Moore.
At sea	32 14	15 20	1840	.....	.....	.....	.....	.....	.....	7·27	.....	7·27	Terror.
At sea	32 33	15 24	1840	.....	.....	.....	.....	.....	.....	7·15	.....	7·15	Ross.
At sea	32 57	15 27	1842	31 16 w.	.....	31·3 w.	.....	.....	.....	.....	.....	.....	Jehenne.
At sea	33 21	15 38	1837	31 22 w.	.....	31·4 w.	.....	.....	.....	.....	.....	.....	Bonite.
At sea	39 42	15 44	1844	.....	.....	.....	57 06 s.	.....	57·1 s.	.....	.....	.....	Smith.
At sea	32 23	15 52	1840	29 23 w.	.....	29·4 w.	.....	.....	.....	.....	.....	.....	Ross.
At sea	33 45	15 51	1837	28 43 w.	.....	28·7 w.	.....	.....	.....	.....	.....	.....	Bonite.
At sea	32 03	15 52	1837	27 16 w.	.....	27·3 w.	.....	.....	.....	.....	.....	.....	Bonite.
At sea	33 28	15 57	1839	26 37 w.	.....	26·6 w.	.....	.....	.....	.....	.....	.....	Du Petit Thouars.
At sea	39 11	15 59	1843	28 22 w.	.....	28·4 w.	.....	.....	.....	.....	.....	.....	Ross.
At sea	39 52	16 04	1843	26 38 w.	.....	26·6 w.	.....	.....	.....	.....	.....	.....	Crozier.
At sea (3 observations)	33 33	16 15	1846	.....	.....	.....	52 39 s.	.....	52·6 s.	7·24	.....	7·24	H.M.S. 'Fly.'
At sea	35 59	16 22	1843	27 50 w.	.....	27·8 w.	.....	.....	.....	.....	.....	.....	Crozier.
At sea	32 44	16 27	1840	.....	.....	.....	.....	.....	.....	7·44	.....	7·44	Terror.
At sea (6 observations)	30 39	16 28	1846	.....	.....	.....	51 03 s.	.....	51·1 s.	7·29	.....	7·29	H.M.S. 'Fly.'
At sea	37 44	16 36	1840	.....	.....	.....	.....	.....	.....	7·37	.....	7·37	Terror.
At sea	32 45	16 37	1840	.....	.....	.....	.....	.....	.....	7·12	.....	7·12	Ross.
At sea	38 26	16 39	1843	29 24 w.	.....	29·4 w.	.....	.....	.....	.....	.....	.....	Ross.
At sea	33 01	16 41	1840	.....	.....	.....	.....	.....	.....	7·31	.....	7·31	Terror.
At sea	35 42	16 44	1843	27 11 w.	.....	27·2 w.	.....	.....	.....	.....	.....	.....	Crozier.
At sea	33 03	16 46	1840	.....	.....	.....	.....	.....	.....	7·27	.....	7·27	Ross.
At sea	33 13	16 46	1840	.....	.....	.....	.....	.....	.....	7·52	.....	7·52	Terror.
At sea	32 16	16 52	1840	.....	.....	.....	.....	.....	.....	7·31	.....	7·31	Terror.
At sea	32 49	16 53	1840	29 29 w.	.....	29·5 w.	.....	.....	.....	.....	.....	.....	Ross.
At sea (2 observations)	33 17	16 55	1840	.....	.....	.....	.....	.....	.....	7·41	.....	7·41	Ross.
At sea	32 33	16 55	1840	29 25 w.	.....	29·4 w.	.....	.....	.....	.....	.....	.....	Ross.
At sea (3 observations)	34 45	16 57	1846	.....	.....	.....	53 11 s.	.....	53·2 s.	7·47	.....	7·47	H.M.S. 'Fly.'
At sea	32 17	17 00	1840	.....	.....	.....	.....	.....	.....	7·22	.....	7·22	Ross.
At sea	38 47	17 00	1840	.....	.....	.....	.....	.....	.....	7·49	.....	7·49	Terror.
At sea (4 observations)	33 56	17 04	1851	29 20 w.	.....	29·3 w.	.....	.....	.....	.....	.....	.....	Kellett.
At sea	33 21	17 07	1840	29 34 w.	.....	29·6 w.	.....	.....	.....	.....	.....	.....	Ross.
At sea	32 59	17 08	1840	29 46 w.	.....	29·8 w.	.....	.....	.....	.....	.....	.....	Ross.
At sea	39 22	17 24	1831	.....	.....	.....	50 59 s.	.....	51·0 s.	7·34	.....	7·34	Dunlop.
At sea	37 16	17 24	1840	.....	.....	.....	.....	.....	.....	7·41	.....	7·41	Terror.
At sea	38 58	17 26	1840	.....	.....	.....	.....	.....	.....	7·64	.....	7·64	Terror.
At sea	34 16	17 34	1840	.....	.....	.....	.....	.....	.....	7·31	.....	7·31	Terror.
At sea (4 observations)	34 42	17 36	1845	29 51 w.	.....	29·9 w.	.....	.....	.....	.....	.....	.....	Pagoda.
At sea	32 31	17 41	1840	.....	.....	.....	.....	.....	.....	7 11	.....	7·11	Ross.
At sea	32 31	17 45	1840	.....	.....	.....	.....	.....	.....	7·15	.....	7·15	Terror.
At sea (7 observations)	34 46	17 46	1845	.....	.....	.....	53 34 s.	.....	53·6 s.	7·38	.....	7·38	Moore.
At sea (3 observations)	34 44	17 50	1840	.....	.....	.....	52 56 s.	.....	52·9 s.	7·35	.....	7·35	Clerk.
At sea	34 37	17 51	1840	30 10 w.	.....	30·2 w.	.....	.....	.....	.....	.....	.....	Ross.
At sea	34 20	17 57	1840	.....	.....	.....	.....	.....	.....	7·36	.....	7·36	Ross.
At sea	34 38	17 58	1839	27 45 w.	.....	27·7 w.	.....	.....	.....	.....	.....	.....	Du Petit Thouars.
At sea	34 18	18 03	1840	29 33 w.	.....	29·5 w.	.....	.....	.....	.....	.....	.....	Ross.
At sea	33 52	18 04	1840	.....	.....	.....	.....	.....	.....	7·42	.....	7·42	Terror.
At sea (3 observations)	34 55	18 09	1857	30 58 w.	.....	31·0 w.	.....	.....	.....	.....	.....	.....	Novara.
At sea	33 56	18 10	1840	.....	.....	.....	.....	.....	.....	7·45	.....	7·45	Ross.
At sea (3 observations)	36 10	18 22	1842	.....	.....	.....	57 29 s.	.....	57·5 s.	7·77	.....	7·77	H.M.S. 'Fly.'
At sea	36 52	18 25	1840	.....	.....	.....	.....	.....	.....	7·46	.....	7·46	Terror.
Simon's Bay	34 11	18 26	1825	28 12 w.	0 26 w.	28·6 w.	.....	.....	.....	.....	.....		Owen.
			1829	28 00 w.	0 20 w.	28·3 w.	.....	.....	.....	.....	.....		Bellamy.
			1836	28 30 w.	0 10 w.	28·7 w.	52 35 s.	+34	53·1 s.	7·57	.....		FitzRoy.
			1837	.....	.....	.....	52 26 s.	+29	52·9 s.	.....	.....		Bethune.
			1837	.....	.....	.....	52 54 s.	+29	53·4 s.	.....	.....	7·46	Wickham.
			1839	29 09 w.	0 05 w.	29·2 w.	53 22 s.	+18	53·7 s.	.....	.....		Du Petit Thouars.
			1840	29 04 w.	0 04 w.	29·1 w.	.....	.....	.....	.....	.....		Ross.
			1840	29 40 w.	0 04 w.	29·7 w.	53 08 s.	+13	53·3 s.	7·35	.....		Ross and Crozier.

28°·9 w. 53·3 s.

SOUTH EQUATORIAL ZONE IV.—Lat. 30° to 40° S. (continued).

Stations.	Lat. S.	Long. E.	Date.	Declination. Observed.	Declination. Correction to Epoch 1842·5.	Declination. Corrected.	Inclination. Observed.	Inclination. Cor. to Epoch 1842·5.	Inclination. Corrected.	Force in British units. Observed.	Force in British units. Cor. to Epoch 1842·5.	Force in British units. Corrected.	Observers.
	° ′	° ′		° ′	° ′	°	° ′	° ′	°				
			1841	29 07 w.	0 02 w.	29·1 w.	53 09 s.	+ 8	53·3 s.	.....	.....		Observatory.
			1842	29 06 w.	.....	29·1 w.	53 14 s.	.....	53·2 s.	.....	.....		Observatory.
			1843	29 04 w.	.....	29·1 w.	53 19 s.	— 2	53·3 s.	.....	.....		Observatory.
			1844	29 06 w.	0 02 E.	29·1 w.	53 28 s.	— 7	53·3 s.	.....	.....		Observatory.
			1844	.....	.....	.....	53 31 s.	— 7	53·4 s.	7·49	.....		Observatory.
			1844	.....	.....	.....	53 50 s.	— 7	53·7 s.	7·53	.....		Observatory.
			1845	.....	.....	.....	53 37 s.	— 13	53·4 s.	.....	.....		Observatory.
Cape of Good Hope Observatory	33 56	18 29	1845	.....	.....	..... 29·1 w.	53 34 s.	— 13	53·3 s. 53·3 s.	.....	.....	7·53	Observatory.
			1845	.....	.....	.....	53 28 s.	— 13	53·3 s.	7·58	.....		Observatory.
			1845	29 07 w.	0 04 E.	29·1 w.	53 28 s.	— 13	53·3 s.	.....	.....		Observatory.
			1846	29 09 w.	0 05 E.	29·1 w.	53 33 s.	— 18	53·3 s.	.....	.....		Observatory.
			1847	29 12 w.	0 07 E.	29·1 w.	53 41 s.	— 24	53·3 s.	.....	.....		Observatory.
			1848	29 14 w.	0 08 E.	29·1 w.	53 47 s.	— 29	53·3 s.	.....	.....		Observatory.
			1849	29 16 w.	0 10 E.	29·1 w.	53 52 s.	— 34	53·3 s.	.....	.....		Observatory.
			1850	29 18 w.	0 11 E.	29·1 w.	53 58 s.	— 40	53·3 s.	.....	.....		Observatory.
			1851	.....	.....	.....	54 02 s.	— 45	53·3 s.	.....	.....		Observatory.
			1842	29 10 w.	.....	29·2 w.	53 12 s.	.....	53·2 s.	7·43	.....		Belcher.
Cape Observatory	33 56	18 29	1845	.....	.....	..... 29·2 w.	53 30 s.	— 13	53·3 s. 53·3 s.	7·50	.....	7·55	Moore.
			1857	29 34 w.	0 22 E.	29·2 w.	54 36 s.	— 1 15	53·4 s.	7·71	.....		Novara.
At sea (2 observations)	35 14	18 27	1840	.....	.....	.....	54 32 s.	.....	54·5 s.	7·37	.....	7·37	Ross.
At sea (16 observations)	34 12	18 27	1845	29 15 w.	.....	29·3 w.	.....	.....	.....	.....	.....	.....	Pagoda.
At sea	36 11	18 35	1840	30 05 w.	.....	30·1 w.	.....	.....	.....	.....	.....	.....	Ross.
At sea (3 observations)	37 25	18 35	1857	29 21 w.	.....	29·3 w.	.....	.....	.....	.....	.....	.....	Novara.
At sea	34 18	18 40	1839	29 38 w.	.....	29·6 w.	.....	.....	.....	.....	.....	.....	Du Petit Thouars.
At sea	35 52	18 41	1840	30 08 w.	.....	30·1 w.	.....	.....	.....	.....	.....	.....	Ross.
At sea	35 48	18 47	1840	.....	.....	.....	54 18 s.	.....	54·3 s.	7·48	.....	7·48	Ross.
At sea (2 observations)	36 00	19 00	1840	.....	.....	.....	55 24 s.	.....	55·4 s.	.....	.....	.....	Ross.
At sea (2 observations)	34 20	19 00	1851	30 18 w.	.....	30·3 w.	.....	.....	.....	.....	.....	.....	Kellett.
At sea (3 observations)	35 46	19 02	1837	31 09 w.	.....	31·1 w.	.....	.....	.....	.....	.....	.....	Bonite.
At sea	35 47	19 05	1832	28 54 w.	0 15 w.	29·1 w.	.....	.....	.....	.....	.....	.....	Prussian ships.
At sea	36 04	19 19	1840	.....	.....	.....	.....	.....	.....	7·40	.....	7·40	Erebus.
At sea (3 observations)	34 57	19 31	1846	.....	.....	.....	53 23 s.	.....	53·4 s.	7·65	.....	7·65	H.M.S. 'Fly.'
At sea (3 observations)	34 55	19 33	1845	28 57 w.	.....	28·9 w.	.....	.....	.....	.....	.....	.....	Pagoda.
At sea	34 48	19 33	1845	.....	.....	.....	54 50 s.	.....	54·8 s.	7·37	.....	7·37	Dayman.
At sea	39 06	20 00	1831	.....	.....	.....	52 03 s.	.....	52·1 s.	7·27	.....	7·27	Dunlop.
At sea	36 16	20 04	1840	.....	.....	.....	.....	.....	.....	7·46	.....	7·46	Terror.
At sea (2 observations)	35 08	20 24	1845	28 47 w.	.....	28·8 w.	.....	.....	.....	.....	.....	.....	Pagoda.
At sea (3 observations)	37 33	20 25	1826	29 20 w.	0 22 w.	29·7 w.	.....	.....	.....	.....	.....	.....	D'Urville.
At sea	39 55	20 35	1840	31 09 w.	.....	31·1 w.	.....	.....	.....	.....	.....	.....	Ross.
At sea (2 observations)	36 16	20 42	1840	30 15 w.	.....	30·3 w.	.....	.....	.....	.....	.....	.....	Ross.
At sea	36 11	20 42	1840	.....	.....	.....	.....	.....	.....	7·47	.....	7·47	Erebus.
At sea	35 06	20 46	1845	27 56 w.	.....	27·9 w.	.....	.....	.....	.....	.....	.....	Pagoda.
At sea (4 observations)	35 07	20 46	1845	.....	.....	.....	55 08 s.	.....	55·1 s.	7·59	.....	7·59	Clerk.
At sea (2 observations)	36 07	20 55	1840	.....	.....	.....	55 50 s.	.....	55·8 s.	.....	.....	.....	Ross.
At sea (14 observations)	36 25	21 15	1840	30 40 w.	.....	30·7 w.	.....	.....	.....	.....	.....	.....	Ross.
At sea (4 observations)	36 29	21 16	1840	.....	.....	.....	55 38 s.	.....	55·6 s.	.....	.....	.....	Ross.
At sea (4 observations)	38 16	21 20	1840	32 10 w.	.....	32·2 w.	.....	.....	.....	.....	.....	.....	Ross.
At sea	36 35	21 20	1840	.....	.....	.....	.....	.....	.....	7·57	.....	7·57	Erebus.
At sea (8 observations)	37 19	21 26	1840	30 51 w.	.....	30·9 w.	.....	.....	.....	.....	.....	.....	Ross.
At sea	38 13	21 30	1840	.....	.....	.....	.....	.....	.....	7·83	.....	7·83	Erebus.
At sea (2 observations)	37 20	21 37	1840	.....	.....	.....	.....	.....	.....	7·92	.....	7·92	Erebus.
At sea (5 observations)	37 19	21 37	1840	.....	.....	.....	56 03 s.	.....	56·1 s.	.....	.....	.....	Ross.
At sea (2 observations)	35 40	21 37	1845	29 16 w.	.....	29·3 w.	.....	.....	.....	.....	.....	.....	Pagoda.
At sea (6 observations)	35 10	21 37	1846	.....	.....	.....	55 28 s.	.....	55·5 s.	7·80	.....	7·80	H.M.S. 'Fly.'
At sea (4 observations)	35 40	21 40	1845	.....	.....	.....	55 31 s.	.....	55·5 s.	7·74	.....	7·74	Moore.
At sea (4 observations)	35 36	21 40	1845	.....	.....	.....	55 18 s.	.....	55·3 s.	7·68	.....	7·68	Clerk.
At sea	34 29	21 44	1845	.....	.....	.....	55 36 s.	.....	55·6 s.	.....	.....	.....	Dayman.
At sea (8 observations)	34 37	21 50	1851	30 48 w.	.....	30·8 w.	.....	.....	.....	.....	.....	.....	Kellett.
At sea (2 observations)	38 11	22 00	1840	.....	.....	.....	55 35 s.	.....	55·6 s.	.....	.....	.....	Ross.
At sea (4 observations)	35 31	22 09	1829	28 40 w.	0 18 w.	29·0 w.	.....	.....	.....	.....	.....	.....	Lütke.
At sea	34 04	22 45	1845	.....	.....	.....	56 43 s.	.....	56·7 s.	.....	.....	.....	Dayman.
At sea (2 observations)	34 49	22 52	1836	27 41 w.	0 09 w.	27·8 w.	.....	.....	.....	.....	.....	.....	FitzRoy.
At sea	39 00	23 00	1831	.....	.....	.....	54 01 s.	.....	54·0 s.	7·57	.....	7·57	Dunlop.

SOUTH EQUATORIAL ZONE IV.—Lat. 30° to 40° S. (continued).

Stations.	Lat. S.	Long. E.	Date.	Declination.			Inclination.			Force in British units.			Observers.
				Observed.	Correction to Epoch 1842·5.	Corrected.	Observed.	Cor. to Epoch 1842·5.	Corrected.	Observed.	Cor. to Epoch 1842·5.	Corrected.	
	° ′	° ′		° ′		°	° ′		°				
At sea	39 33	23 05	1844	.....	.....	.....	59 32 s.	.....	59·5 s.	.....	.....	.....	Smith.
At sea (3 observations)	37 08	23 11	1846	.....	.....	.....	56 37 s.	.....	56·6 s.	8·00	.....	8·00	H.M.S. 'Fly.'
At sea (4 observations)	35 46	23 35	1845	.....	.....	.....	56 08 s.	.....	56·1 s.	7·74	.....	7·74	Clerk.
At sea (5 observations)	35 39	23 35	1845	29 26 w.	.....	29·4 w.	.....	.....	.....	.....	.....	.....	Pagoda.
At sea	34 40	24 16	1845	.....	.....	.....	56 32 s.	.....	56·5 s.	7·52	.....	7·52	Dayman.
At sea (2 observations)	35 59	24 24	1829	28 01 w.	0 15 w.	28·3 w.	.....	.....	.....	.....	.....	.....	Prussian ships.
At sea (3 observations)	38 07	24 43	1857	30 25 w.	0 17 E.	30·1 w.	.....	.....	.....	.....	.....	.....	Novara.
At sea	38 04	25 00	1831	.....	.....	.....	55 10 s.	.....	55·2 s.	7·94	.....	7·94	Dunlop.
At sea	34 36	25 23	1845	.....	.....	.....	56 35 s.	.....	56·6 s.	7·65	.....	7·65	Dayman.
At sea	34 35	25 31	1845	.....	.....	.....	56 45 s.	.....	56·7 s.	.....	.....	.....	Dayman.
At sea	35 12	25 40	1837	26 54 w.	.....	26·9 w.	.....	.....	.....	.....	.....	.....	Bonite.
At sea (3 observations)	36 50	25 48	1846	.....	.....	.....	56 08 s.	.....	56·1 s.	8·22	.....	8·22	H.M.S. 'Fly.'
At sea (3 observations)	37 58	26 22	1842	.....	.....	.....	59 01 s.	.....	59·0 s.	8·33	.....	8·33	H.M.S. 'Fly.'
At sea (3 observations)	34 27	26 23	1861	29 25 w.	.....	29·4 w.	.....	.....	.....	.....	.....	.....	Denham.
At sea	34 44	26 50	1845	28 41 w.	.....	28·7 w.	.....	.....	.....	.....	.....	.....	Pagoda.
At sea	39 33	26 52	1844	.....	.....	.....	61 47 s.	.....	61·8 s.	7·58	.....	7·58	Smith.
At sea	34 02	26 53	1845	.....	.....	.....	57 23 s.	.....	57·4 s.	7·58	.....	7·58	Dayman.
At sea (6 observations)	34 18	27 03	1851	30 40 w.	.....	30·7 w.	.....	.....	.....	.....	.....	.....	Kellett.
At sea (4 observations)	34 31	27 04	1845	.....	.....	.....	57 06 s.	.....	57·1 s.	7·93	.....	7·93	Clerk.
At sea (3 observations)	36 44	27 40	1847	.....	.....	.....	57 19 s.	.....	57·3 s.	8·29	.....	8·29	Rattlesnake.
At sea (2 observations)	34 17	27 53	1834	28 38 w.	0 08 w.	28·8 w.	.....	.....	.....	.....	.....	.....	Prussian ships.
At sea (6 observations)	36 11	27 54	1846	.....	.....	.....	57 19 s.	.....	57·3 s.	8·11	.....	8·11	H.M.S. 'Fly.'
At sea	39 50	28 36	1844	.....	.....	.....	62 08 s.	.....	62·1 s.	.....	.....	.....	Smith.
At sea (2 observations)	34 04	28 55	1829	30 10 w.	0 11 w.	30·3 w.	.....	.....	.....	.....	.....	.....	Lütke.
At sea (3 observations)	38 05	29 30	1847	.....	.....	.....	58 31 s.	.....	58·5 s.	8·45	.....	8·45	Rattlesnake.
At sea	32 17	29 34	1845	.....	.....	.....	58 16 s.	.....	58·3 s.	7·69	.....	7·69	Dayman.
At sea (4 observations)	33 01	29 36	1845	.....	.....	.....	57 34 s.	.....	57·6 s.	7·84	.....	7·84	Clerk.
At sea (4 observations)	32 54	29 49	1845	28 44 w.	.....	28·7 w.	.....	.....	.....	.....	.....	.....	Pagoda.
At sea	39 16	30 27	1831	.....	.....	.....	58 11 s.	.....	58·2 s.	8·24	.....	8·24	Dunlop.
At sea (5 observations)	32 54	30 44	1851	29 23 w.	.....	29·4 w.	.....	.....	.....	.....	.....	.....	Kellett.
At sea (3 observations)	34 42	30 54	1846	.....	.....	.....	59 39 s.	.....	59·6 s.	8·53	.....	8·53	H.M.S. 'Fly.'
At sea (5 observations)	31 06	31 26	1845	.....	.....	.....	57 24 s.	.....	57·4 s.	7·96	.....	7·96	Moore.
At sea (9 observations)	31 09	31 31	1845	26 46 w.	.....	26·8 w.	.....	.....	.....	.....	.....	.....	Pagoda.
At sea (4 observations)	31 06	31 34	1845	.....	.....	.....	57 28 s.	.....	57·5 s.	7·95	.....	7·95	Clerk.
At sea	33 52	31 42	1837	29 21 w.	.....	29·3 w.	.....	.....	.....	.....	.....	.....	Bonite.
At sea	31 19	32 21	1845	.....	.....	.....	58 32 s.	.....	58·5 s.	7·84	.....	7·84	Dayman.
At sea (3 observations)	38 09	32 36	1847	.....	.....	.....	59 39 s.	.....	59·7 s.	8·50	.....	8·50	Rattlesnake.
At sea	30 35	33 13	1845	25 09 w.	.....	25·1 w.	.....	.....	.....	.....	.....	.....	Pagoda.
At sea (4 observations)	30 33	33 19	1845	.....	.....	.....	57 19 s.	.....	57·3 s.	8·13	.....	8·13	Clerk.
At sea	39 26	33 30	1831	.....	.....	.....	59 05 s.	.....	59·1 s.	8·39	.....	8·39	Dunlop.
At sea (3 observations)	32 27	33 36	1846	.....	.....	.....	59 07 s.	.....	59·1 s.	8·14	.....	8·14	H.M.S. 'Fly.'
At sea (2 observations)	30 27	33 41	1845	.....	.....	.....	56 37 s.	.....	56·6 s.	8·28	.....	8·28	Moore.
At sea (6 observations)	30 30	33 42	1845	27 28 w.	.....	27·5 w.	.....	.....	.....	.....	.....	.....	Pagoda.
At sea (6 observations)	31 25	33 52	1861	27 24 w.	.....	27·4 w.	.....	.....	.....	.....	.....	.....	Denham.
At sea (4 observations)	32 09	34 25	1829	27 59 w.	0 13 w.	28·2 w.	.....	.....	.....	.....	.....	.....	Lütke.
At sea	33 26	34 40	1837	22 35 w.	0 05 w.	22·7 w.	.....	.....	.....	.....	.....	.....	Bonite.
At sea (6 observations)	31 27	34 59	1851	27 09 w.	.....	27·2 w.	.....	.....	.....	.....	.....	.....	Kellett.
At sea (8 observations)	32 18	35 17	1837	26 25 w.	0 05 w.	26·5 w.	.....	.....	.....	.....	.....	.....	Prussian ships.
At sea	39 16	35 37	1831	.....	.....	.....	60 01 s.	.....	60·0 s.	8·24	.....	8·24	Dunlop.
At sea (2 observations)	30 18	35 55	1845	26 29 w.	.....	26·5 w.	.....	.....	.....	.....	.....	.....	Pagoda.
At sea (3 observations)	30 05	36 06	1846	.....	.....	.....	59 06 s.	.....	59·1 s.	8·14	.....	8·14	H.M.S. 'Fly.'
At sea	30 10	36 17	1845	.....	.....	.....	59 08 s.	.....	59·1 s.	8·06	.....	8·06	Dayman.
At sea	37 30	37 27	1831	.....	.....	.....	58 11 s.	.....	58·2 s.	8·09	.....	8·09	Dunlop.
At sea (2 observations)	30 31	38 06	1851	26 10 w.	.....	26·2 w.	.....	.....	.....	.....	.....	.....	Kellett.
At sea	31 31	38 57	1837	26 05 w.	0 05 w.	26 2 w.	.....	.....	.....	.....	.....	.....	Bonite.
At sea	35 20	39 07	1831	.....	.....	.....	58 33 s.	.....	58·5 s.	8·32	.....	8·32	Dunlop.
At sea	35 10	40 50	1831	.....	.....	.....	59 54 s.	.....	59·9 s.	8·54	.....	8·54	Dunlop.
At sea (2 observations)	30 31	41 46	1839	23 50 w.	.....	23·8 w.	.....	.....	.....	.....	.....	.....	Prussian ships.
At sea (3 observations)	30 36	42 23	1846	.....	.....	.....	58 22 s.	.....	58·4 s.	8·74	.....	8·74	H.M.S. 'Fly.'
At sea (2 observations)	30 58	42 44	1829	26 21 w.	0 13 w.	26·6 w.	.....	.....	.....	.....	.....	.....	Lütke.
At sea	35 54	43 16	1831	.....	.....	.....	61 08 s.	.....	61·1 s.	8·92	.....	8·92	Dunlop.
At sea (3 observations)	37 56	44 08	1826	30 30 w.	0 16 w.	30·8 w.	.....	.....	.....	.....	.....	.....	D'Urville.

SOUTH EQUATORIAL ZONE IV.—Lat. 30° to 40° S. (continued).

Stations.	Lat. S.	Long. E.	Date.	Declination.			Inclination.			Force in British units.			Observers.
				Observed.	Correction to Epoch 1842·5.	Corrected.	Observed.	Cor. to Epoch 1842·5.	Corrected.	Observed.	Cor. to Epoch 1842·5.	Corrected.	
	° ′	° ′		° ′	° ′	°	° ′		°				
At sea (3 observations)	38 16	45 23	1847	.....	.....	.....	63 20 s.	.....	63·3 s.	9·10	.....	9·10	Rattlesnake.
At sea (3 observations)	35 29	48 00	1842	.....	.....	.....	63 49 s.	.....	63·8 s.	9·18	.....	9·18	H.M.S. 'Fly.'
At sea.....	35 01	48 06	1831	.....	.....	.....	60 27 s.	.....	60·5 s.	8·84	.....	8·84	Dunlop.
At sea (3 observations)	30 21	48 15	1846	.....	.....	.....	60 35 s.	.....	60·6 s.	.....	.....	.....	H.M.S. 'Fly.'
At sea (6 observations)	30 22	51 24	1846	.....	.....	.....	62 05 s.	.....	62·1 s.	8·99	.....	8·99	H.M.S. 'Fly.'
At sea.....	36 18	52 48	1831	.....	.....	.....	62 46 s.	.....	62·8 s.	9·52	.....	9·52	Dunlop.
At sea (3 observations)	36 56	53 00	1847	.....	.....	.....	64 10 s.	.....	64·2 s.	9·45	.....	9·45	Rattlesnake.
At sea (3 observations)	34 33	54 10	1847	.....	.....	.....	64 04 s.	.....	64·1 s.	9·61	.....	9·61	Rattlesnake.
At sea (3 observations)	36 50	55 16	1842	.....	.....	.....	64 17 s.	.....	64·3 s.	9·41	.....	9·41	H.M.S. 'Fly.'
At sea.....	37 07	55 20	1831	.....	.....	.....	63 13 s.	.....	63·2 s.	9·52	.....	9·52	Dunlop.
At sea.....	37 40	59 15	1831	.....	.....	.....	63 54 s.	.....	63·9 s.	9·67	.....	9·67	Dunlop.
At sea.....	39 34	60 55	1844	.....	.....	.....	67 27 s.	.....	67·5 s.	.....	.....	.....	Smith.
At sea.....	37 46	63 38	1831	.....	.....	.....	63 51 s.	.....	63·9 s.	9·59	.....	9·59	Dunlop.
At sea (3 observations)	38 00	64 16	1826	24 38 w.	0 16 w.	24·9 w.	.....	.....	.....	.....	.....	.....	D'Urville.
At sea.....	39 00	65 44	1844	.....	.....	.....	67 19 s.	.....	67·3 s.	.....	.....	.....	Smith.
At sea.....	37 50	66 04	1831	.....	.....	.....	64 10 s.	.....	64·2 s.	9·82	.....	9·82	Dunlop.
At sea (3 observations)	31 50	67 56	1847	.....	.....	.....	65 39 s.	.....	65·7 s.	10·12	.....	10·12	Rattlesnake.
At sea.....	38 31	68 45	1844	.....	.....	.....	66 45 s.	.....	66·7 s.	.....	.....	.....	Smith.
At sea.....	38 15	69 31	1831	.....	.....	.....	65 04 s.	.....	65·1 s.	10·34	.....	10·34	Dunlop.
At sea (3 observations)	33 39	70 05	1847	.....	.....	.....	66 30 s.	.....	66·5 s.	10·23	.....	10·23	Rattlesnake.
At sea.....	38 22	70 10	1844	.....	.....	.....	67 06 s.	.....	67·1 s.	.....	.....	.....	Smith.
At sea (3 observations)	35 23	71 55	1847	.....	.....	.....	67 31 s.	.....	67·5 s.	10·35	.....	10·35	Rattlesnake.
At sea.....	38 08	73 35	1844	.....	.....	.....	66 45 s.	.....	66·7 s.	.....	.....	.....	Smith.
At sea.....	39 31	74 00	1831	.....	.....	.....	65 02 s.	.....	65·0 s.	10·27	.....	10·27	Dunlop.
At sea (3 observations)	36 04	74 02	1847	.....	.....	.....	67 36 s.	.....	67·6 s.	10·74	.....	10·74	Rattlesnake.
At sea.....	38 10	75 22	1844	.....	.....	.....	66 42 s.	.....	66·7 s.	.....	.....	.....	Smith.
At sea.....	38 25	76 44	1844	.....	.....	.....	66 54 s.	.....	66·9 s.	.....	.....	.....	Smith.
Anchored off St. Paul..	.....	.....	1842	.....	.....	.....	66 58 s.	.....	67·0 s.	11·19	.....	11·19	H.M.S. 'Fly.'
St. Paul	38 43	77 31	1857	23 25 w.	0 15 E.	23·2 w.	66 56 s.	.....	66·9 s	11·33	.....	11·33	Novara.
At sea.....	38 48	77 50	1844	.....	.....	.....	67 14 s.	.....	67·2 s.	.....	.....	.....	Smith.
At sea (3 observations)	38 29	77 50	1857	21 47 w.	0 15 E.	21·5 w.	.....	.....	.....	.....	.....	.....	Novara.
At sea.....	39 04	79 45	1844	.....	.....	.....	67 17 s.	.....	67·3 s.	.....	.....	.....	Smith.
At sea (6 observations)	35 30	80 01	1847	.....	.....	.....	67 20 s.	.....	67·3 s.	11·00	.....	11·00	Rattlesnake.
At sea.....	39 27	81 00	1831	.....	.....	.....	66 07 s.	.....	66·1 s.	.....	.....	.....	Dunlop.
At sea (2 observations)	34 40	82 43	1857	18 12 w.	0 15 E.	17·9 w.	.....	.....	.....	.....	.....	.....	Novara.
At sea.....	39 58	84 00	1844	.....	.....	.....	67 43 s.	.....	67·7 s.	.....	.....	.....	Smith.
At sea (3 observations)	35 20	84 12	1847	.....	.....	.....	67 19 s.	.....	67·3 s.	11·15	.....	11·15	Rattlesnake.
At sea (2 observations)	31 50	84 34	1857	13 58 w.	0 15 E.	13·7 w.	.....	.....	.....	.....	.....	.....	Novara.
At sea (2 observations)	36 45	85 27	1826	18 40 w.	0 16 w.	18·9 w.	.....	.....	.....	.....	.....	.....	D'Urville.
At sea (3 observations)	35 34	87 32	1847	.....	.....	.....	67 37 s.	.....	67·6 s.	11·26	.....	11·26	Rattlesnake.
At sea (3 observations)	39 00	88 50	1842	.....	.....	.....	67 46 s.	.....	67·8 s.	11·18	.....	11·18	H.M.S. 'Fly.'
At sea (3 observations)	35 50	91 02	1847	.....	.....	.....	67 45 s.	.....	67·7 s.	11·52	.....	11·52	Rattlesnake.
At sea (2 observations)	35 57	92 43	1826	16 12 w.	0 08 w.	16·3 w.	.....	.....	.....	.....	.....	.....	D'Urville.
At sea (3 observations)	36 15	94 42	1847	.....	.....	.....	67 55 s.	.....	67·9 s.	11·83	.....	11·83	Rattlesnake.
At sea (3 observations)	39 13	95 30	1842	.....	.....	.....	67 49 s.	.....	67·8 s.	11·82	.....	11·82	H.M.S. 'Fly.'
At sea (6 observations)	30 59	97 01	1848	.....	.....	.....	60 23 s.	.....	60·4 s.	.....	.....	.....	Rattlesnake.
At sea (3 observations)	39 43	98 10	1842	.....	.....	.....	68 33 s.	.....	68·6 s.	12·12	.....	12·12	H.M.S. 'Fly.'
At sea.....	39 52	99 22	1844	.....	.....	.....	69 00 s.	.....	69·0 s.	.....	.....	.....	Smith.
At sea.....	30 05	99 51	1827	7 02 w.	0 07 w.	7·1 w.	.....	.....	.....	.....	.....	.....	D'Urville.
At sea (3 observations)	37 24	101 05	1847	.....	.....	.....	68 50 s.	.....	68·8 s.	12·46	.....	12·46	Rattlesnake.
At sea.....	39 54	102 00	1844	.....	.....	.....	69 00 s.	.....	69·0 s.	.....	.....	.....	Smith.
At sea (3 observations)	37 57	103 09	1847	.....	.....	.....	69 34 s.	.....	69·6 s.	12·47	.....	12·47	Rattlesnake.
At sea (6 observations)	35 15	104 44	1848	.....	.....	.....	64 26 s.	.....	64·4 s.	.....	.....	.....	Rattlesnake.
At sea (3 observations)	38 43	105 44	1842	.....	.....	.....	69 30 s.	.....	69·5 s.	12·28	.....	12·28	H.M.S. 'Fly.'
At sea (3 observations)	38 35	106 38	1847	.....	.....	.....	70 14 s.	.....	70·2 s.	12·66	.....	12·66	Rattlesnake.
At sea (2 observations)	35 46	107 09	1826	12 50 w.	.....	12·8 w.	.....	.....	.....	.....	.....	.....	D'Urville.
At sea.....	33 37	108 24	1845	.....	.....	.....	62 18 s.	.....	62·3 s.	12·01	.....	12·01	Dayman.
At sea (4 observations)	30 25	109 07	1845	7 20 w.	.....	7·3 w.	.....	.....	.....	.....	.....	.....	Pagoda.
At sea (3 observations)	38 57	110 20	1847	.....	.....	.....	70 28 s.	.....	70·5 s.	12·82	.....	12·82	Rattlesnake.
At sea.....	33 47	111 04	1845	.....	.....	.....	63 23 s.	.....	63·4 s.	12·06	.....	12·06	Dayman.
At sea (7 observations)	32 24	111 26	1845	.....	.....	.....	62 22 s.	.....	62·4 s.	11·79	.....	11·79	Moore.
At sea (4 observations)	32 32	111 36	1845	.....	.....	.....	62 14 s.	.....	62·2 s.	12·09	.....	12·09	Clerk.

SOUTH EQUATORIAL ZONE IV.—Lat. 30° to 40° S. (continued).

Stations.	Lat. S.	Long. E.	Date.	Declination.			Inclination.			Force in British units.			Observers.
				Observed.	Correction to Epoch 1842·5.	Corrected.	Observed.	Cor. to Epoch 1842·5.	Corrected.	Observed.	Cor. to Epoch. 1842·5.	Corrected.	
	° ′	° ′		° ′		°	° ′		°				
At sea (5 observations)	32 42	111 43	1845	6 36 w.	.....	6·6 w.	.....	.....	.....	.....	.....	.....	Pagoda.
At sea	34 58	112 59	1845	.....	.....	.....	65 16 s.	.....	65·3 s.	12·63	.....	12·63	Dayman.
At sea (4 observations)	34 16	113 01	1845	.....	.....	.....	64 44 s.	.....	64·7 s.	12·30	.....	12·30	Clerk.
At sea (4 observations)	34 18	113 12	1845	6 37 w.	.....	6·6 w.	.....	.....	.....	.....	.....	.....	Pagoda.
At sea (3 observations)	34 17	113 50	1846	.....	.....	.....	65 39 s.	.....	65·6 s.	12·62	.....	12·62	H.M.S. 'Fly.'
At sea	35 46	114 14	1845	.....	.....	.....	65 48 s.	.....	65·8 s.	.....	.....	.....	Dayman.
At sea (3 observations)	39 34	114 20	1847	.....	.....	.....	71 05 s.	.....	71·1 s.	13·08	.....	13·08	Rattlesnake.
At sea	35 30	114 35	1845	.....	.....	.....	64 54 s.	.....	64·9 s.	12·53	.....	12·53	Moore.
At sea (3 observations)	35 09	114 41	1826	9 28 w.	.....	9·5 w.	.....	.....	.....	.....	.....	.....	D'Urville.
At sea (3 observations)	35 33	114 42	1845	5 41 w.	.....	5·7 w.	.....	.....	.....	.....	.....	.....	Pagoda.
At sea (4 observations)	35 36	114 44	1845	.....	.....	.....	65 28 s.	.....	65·5 s.	12·65	.....	12·65	Clerk.
At sea	37 00	115 10	1845	.....	.....	.....	66 35 s.	.....	66·6 s.	.....	.....	.....	Dayman.
At sea (3 observations)	38 04	115 20	1842	.....	.....	.....	67 35 s.	.....	67·6 s.	13·17	.....	13·17	H.M.S. 'Fly.'
At sea (3 observations)	31 55	115 22	1846	.....	.....	.....	63 26 s.	.....	63·4 s.	12·22	.....	.....	H.M.S. 'Fly.'
Rottnest Island	31 58	115 24	1829	5 20 w.	.....	5·3 w.	.....	.....	.....	.....	.....	.....	Stirling.
At sea	36 24	115 33	1845	.....	.....	.....	66 44 s.	.....	66·7 s.	.....	.....	.....	Dayman.
At sea	35 42	115 40	1845	5 59 w.	.....	6·0 w.	.....	.....	.....	.....	.....	.....	Pagoda.
Swan River	32 03	115 41	1827	4 17 w.	.....	4·3 w.	.....	.....	.....	.....	.....	.....	Stirling.
			1837	.....	.....	.....	62 24 s.	.....	62·4 s.	12·39	.....	12·39	Wickham.
Fremantle	32 03	115 47	1843	4 30 w.	.....	4·5 w.	62 44 s.	.....	62·7 s.	12·19	.....	12·19	H.M.S. 'Fly.'
			1846	.....	.....	.....	63 06 s.	.....	63·1 s.	12·52	.. ...	12·52	H.M.S. 'Fly.'
At sea (3 observations)	35 20	115 48	1836	7 22 w.	.....	7·4 w.	.....	.....	.....	.....	.....	.....	FitzRoy.
At sea (5 observations)	38 40	116 15	1845	.....	.....	.....	68 04 s.	.....	68·1 s.	12·90	.....	12·90	Moore.
At sea (4 observations)	38 52	116 15	1845	.....	.....	.....	68 49 s.	.....	68·8 s.	13·02	.....	13·02	Clerk.
At sea (4 observations)	38 40	116 17	1845	6 56 w.	.....	6·9 w.	.....	.....	.....	.....	.....	.....	Pagoda.
At sea (3 observations)	36 51	116 36	1845	4 31 w.	.....	4·5 w.	.....	.....	.....	.....	.....	.....	Pagoda.
At sea	36 06	116 42	1845	.....	.....	.....	66 27 s.	.....	66·5 s.	12·85	.....	12·85	Dayman.
At sea (8 observations)	36 10	116 43	1845	4 52 w.	.....	4·9 w.	.....	.....	.....	.....	.....	.....	Pagoda.
At sea (4 observations)	36 11	116 48	1845	.....	.....	.....	66 00 s.	.....	66·0 s.	12·51	.....	12·51	Moore.
At sea (4 observations)	36 12	116 50	1845	.....	.....	.....	65 28 s.	.....	65·5 s.	12 54	.....	12·54	Clerk.
At sea (4 observations)	37 03	116 57	1845	.....	.....	.....	66 46 s.	.....	66·8 s.	12·70	.....	12·70	Clerk.
At sea (6 observations)	37 00	116 57	1845	.....	.....	.....	66 21 s.	.....	66·3 s.	12·57	.....	12·57	Moore.
At sea	35 28	117 04	1845	6 55 w.	.....	6·9 w.	.....	.....	.....	.....	.....	.....	Pagoda.
At sea (4 observations)	35 18	117 07	1845	.....	.....	.....	65 48 s.	.....	65·8 s.	12·75	.....	12·75	Clerk.
At sea (9 observations)	35 21	117 11	1846	.....	.....	.....	66 03 s.	.....	66·1 s.	12·51	.....	12·51	H.M.S. 'Fly.'
At sea (4 observations)	35 07	117 28	1845	.....	.....	.....	65 24 s.	.....	65·4 s.	12·69	.....	12·69	Moore.
At sea	36 58	117 38	1845	.....	.....	.....	67 19 s.	.....	67·3 s.	.....	.....	.....	Dayman.
At sea (5 observations)	35 12	117 41	1845	6 20 w.	.....	6·3 w.	.....	.....	.....	.....	.....	.....	Pagoda.
At sea	35 22	117 46	1845	.....	.....	.....	65 53 s.	.....	65·9 s.	12·90	.....	12·90	Dayman.
At sea (3 observations)	39 54	117 50	1847	.....	.....	.....	71 58 s.	.....	72·0 s.	13·34	.....	13·34	Rattlesnake.
At sea (2 observations)	35 06	117 55	1845	.....	.....	.....	65 59 s.	.....	66·0 s.	.....	.....	.....	Moore.
			1826	5 35 w.	.....	5·6 w.	.....	.....	.....	.....	.....		D'Urville.
			1836	5 36 w.	.....	5·6 w.	64 41 s.	.....	64·7 s.	12·80	.....		FitzRoy.
			1845	.....	.....	.....	65 11 s.	.....	65·2 s.	12·65	.....		Clerk.
			1845	.....	.....	.....	64 51 s.	.....	64·9 s.	12·61	.....		Clerk.
King George's Sound	35 02	117 56	1845	.....	.....	.....	64 55 s.	.....	64·9 s.	12·65	.....	12·65	Moore.
			1845	.....	.....	5·6 w.	64 52 s.	.....	64·9 s.	12·53	.....		Moore.
			1845	.....	.....	.....	65 07 s.	.....	65·1 s.	.....	.....		Moore.
			1845	.....	.....	.....	65 02 s.	.....	65·0 s.	12·65	.....		Moore.
			1845	5 33 w.	.....	5·5 w.	.....	.....	.....	.....	.....		Pagoda.
			1858	5 42 w.	.....	5·7 w.	.....	.....	.....	.....	.....		Denham.
At sea	35 10	118 06	1845	5 57 w.	.....	5·9 w.	.....	.....	.....	.....	.....	.....	Pagoda.
At sea	36 42	118 35	1845	.....	.....	.....	67 03 s.	.....	67·1 s.	.....	.....	.....	Dayman.
At sea (2 observations)	36 00	118 40	1836	5 45 w.	.....	5·7 w.	.....	.....	.....	.....	.....	.....	FitzRoy.
At sea	36 28	118 57	1845	.....	.....	.....	67 08 s.	.....	67·1 s.	12·86	.....	12·86	Dayman.
At sea (3 observations)	34 55	119 26	1846	.....	.....	.....	65 22 s.	.....	65·4 s.	12·33	.....	12·33	H.M.S. 'Fly.'
At sea (3 observations)	36 02	120 33	1846	.....	.....	.....	66 03 s.	.....	66·1 s.	12·52	.....	12·52	H.M.S. 'Fly.'
At sea	37 13	120 40	1845	.....	.....	.....	68 06 s.	.....	68·1 s.	.....	.....	.....	Dayman.
At sea	37 14	121 58	1845	.....	.....	.....	67 07 s.	.....	67·1 s.	.....	.....	.....	Dayman.
At sea	37 52	122 29	1845	.....	.....	.....	67 39 s.	.....	67·7 s.	.....	.....	.....	Dayman.
At sea	38 21	122 46	1845	.....	.....	.....	67 27 s.	.....	67·5 s.	13·31	.....	13·31	Dayman.
At sea (4 observations)	38 28	123 25	1836	3 19 w.	.....	3·3 w.	.....	.....	.....	.....	.....	.....	FitzRoy.

SOUTH EQUATORIAL ZONE IV.—Lat. 30° to 40° S. (continued).

Stations.	Lat. S.	Long. E.	Date.	Declination.			Inclination.			Force in British units.			Observers.
				Observed.	Correction to Epoch 1842·5.	Corrected.	Observed.	Cor. to Epoch 1842·5.	Corrected.	Observed.	Cor. to Epoch 1842·5.	Corrected.	
	° ′	° ′		° ′		°	° ′		°				
At sea (3 observations)	35 30	123 28	1846	.....	.....	.....	66 24 s.	.....	66·4 s.	12·68	.....	12·68	H.M.S. 'Fly.'
At sea.....	38 00	123 38	1844	.....	.....	.....	68 21 s.	.....	68·3 s.	13·48	.....	13·48	Dayman.
At sea.....	39 25	124 04	1844	.....	.....	.....	69 40 s.	.....	69·7 s.	13·43	.....	13·43	Dayman.
At sea (2 observations)	37 06	124 11	1826	3 35 W.	.....	3·6 W.	.....	.....	.....	.....	.....	.....	D'Urville.
At sea.....	37 14	124 58	1845	.....	.....	.....	.....	.....	.....	13·27	.....	13·27	Dayman.
At sea (3 observations)	34 55	125 10	1846	.....	.....	.....	65 40 s.	.....	65·7 s.	12·86	.....	12·86	H.M.S. 'Fly.'
At sea (3 observations)	35 25	127 33	1846	.....	.....	.....	67 41 s.	.....	67·7 s.	12·91	.....	12·91	H.M.S. 'Fly.'
At sea (6 observations)	35 12	130 02	1846	.....	.....	.....	66 42 s.	.....	66·7 s.	12·75	.....	12·75	H.M.S. 'Fly.'
At sea (4 observations)	38 39	134 53	1826	0 37 W.	.....	0·6 W.	.....	.....	.....	.....	.....	.....	D'Urville.
At sea (3 observations)	35 45	135 33	1846	.....	.....	.....	66 47 s.	.....	66·8 s.	12·68	.....	12·68	H.M.S. 'Fly.'
At sea (3 observations)	35 40	137 04	1846	.....	.....	.....	66 26 s.	.....	66·4 s.	12·62	.....	12·62	H.M.S. 'Fly.'
At sea (3 observations)	34 58	138 33	1846	.....	.....	.....	66 21 s.	.....	66·3 s.	12·60	.....	12·60	H.M.S. 'Fly.'
Glenelg	34 58	138 33	1846	6 16 E.	.....	6·3 E.	65 28 s.	.....	65·5 s.	12·89	.....	12·89	H.M.S. 'Fly.'
At sea (3 observations)	36 15	138 37	1846	.....	.....	.....	65 58 s.	.....	66·0 s.	12·50	.....	12·50	H.M.S. 'Fly.'
At sea (3 observations)	37 48	139 30	1846	.....	.....	.....	66 46 s.	.....	66·8 s.	12·99	.....	12·99	H.M.S. 'Fly.'
At sea (3 observations)	38 42	141 36	1846	.....	.....	.....	67 16 s.	.....	67·3 s.	12·98	.....	12·98	H.M.S. 'Fly.'
Port Philip	37 52	144 53	1846	.....	.....	.....	66 57 s.	.....	66·9 s.	13·16	.....	13·17	H.M.S. 'Fly.'
			1848	9 09 E.	.....	9·1 E.	67 15 s.	.....	67·3 s. } 67·1 s.	13·19	.....		Rattlesnake.
At sea (8 observations)	37 29	146 41	1826	8 31 E.	.....	8·5 E.	.....	.....	.....	.....	.....	.....	D'Urville.
At sea (8 observations)	37 54	150 20	1841	10 38 E.	.....	10·6 E.	.....	.....	.....	.....	.....	.....	Terror.
At sea (10 observations)	37 48	150 21	1841	11 01 E.	.....	11·0 E.	.....	.....	.....	.....	.....	.....	Erebus.
At sea (4 observations)	38 17	150 22	1841	.....	.....	.....	66 57 s.	.....	66·9 s.	13·37	.....	13·37	Terror.
At sea.....	37 50	150 22	1841	.....	.....	.....	66 36 s.	.....	66·6 s.	.....	.....	.....	Erebus.
At sea (3 observations)	37 36	150 58	1841	.....	.....	.....	.....	.....	.....	13·15	.....	13·15	Erebus.
At sea (4 observations)	33 56	151 00	1841	11 18 E.	.....	11·3 E.	.....	.....	.....	.....	.....	.....	Terror.
Garden Island, Port Jackson	33 51	151 17	1824	8 56 E.	.....	8·9 E.	62 18 s.	.....	62·3 s.	.....	.....		Duperrey.
			1825	8 03 E.	.....	8·1 E.	.....	.....	.....	.....	.....		Bougainville.
			1826	9 17 E.	.....	9·3 E.	.....	.....	.....	.....	.....		D'Urville.
			1831	.....	.....	.....	62 53 s.	.....	62·9 s.	.....	.....		Bethune.
			1831	.....	.....	.....	62 51 s.	.....	62·9 s.	12·48	.....		Dunlop.
			1836	10 24 E.	.....	10·4 E.	62 49 s.	.....	62·8 s.	12·62	.....		FitzRoy.
			1837	.....	.....	.....	62 48 s.	.....	62·8 s.	.....	.....		Anonymous.
			1838	.....	.....	.....	62 51 s.	.....	62·9 s.	12·60	.....		Wickham.
			1841	.....	.....	.....	62 59 s.	.....	63·0 s.	12·73	.....		Terror.
			1841	.....	.....	.....	62 48 s.	.....	62·8 s.	12·63	.....	12·67	Erebus.
			1841	.....	.....	.....	62 52 s.	.....	62·9 s. } 62·7 s.	12·88	.....		Terror.
			1841	.....	.....	.....	62 42 s.	.....	62·7 s.	12·78	.....		Erebus.
			1841	9 51 E.	.....	9·9 E	.....	.....	.....	.....	.....		Erebus.
			1842	.....	.....	.....	62 37 s.	.....	62·6 s.	.....	.....		H.M.S. 'Fly.'
			1844	9 25 E.	.....	9·4 E.	62 45 s.	.....	62·8 s.	.....	.....		H.M.S. 'Fly.'
			1845	.....	.....	.....	62 31 s.	.....	62·5 s.	.....	.....		H.M.S. 'Fly.'
			1848	10 05 E.	.....	10·1 E.	.....	.....	.....	.....	.....		Rattlesnake.
			1849	10 09 E.	.....	10·1 E.	62 44 s.	.....	62·7 s.	12·59	.....		Rattlesnake.
			1852	.....	.....	.....	62 44 s.	.....	62·7 s.	.....	.....		Kerr.
			1858	10 00 E.	.....	10·0 E.	62 41 s.	.....	62·7 s.	12·70	.....		Novara.
At sea (4 observations)	34 06	151 19	1841	.....	.....	.....	62 58 s.	.....	63·0 s.	.....	.....	.....	Terror.
At sea (19 observations)	33 51	151 20	1841	.....	.....	.....	62 47 s.	.....	62·8 s.	.....	.....	.....	Erebus.
At sea (3 observations)	35 14	151 29	1841	.....	.....	.....	.....	.....	.....	13·02	.....	13·02	Terror.
At sea.....	34 26	151 30	1826	9 09 E.	.....	9·1 E.	.....	.....	.....	.....	.....	.....	D'Urville.
At sea (4 observations)	37 28	151 30	1841	.....	.....	.....	66 22 s.	.....	66·4 s.	13·07	.....	13·07	Terror.
At sea (10 observations)	37 10	151 32	1841	11 32 E.	.....	11·5 E.	.....	.....	.....	.....	.....	.....	Terror.
At sea (5 observations)	37 21	151 33	1841	.....	.....	.....	66 01 s.	.....	66·0 s.	.....	.....	.....	Erebus.
At sea (13 observations)	37 14	151 34	1841	9 31 E.	.....	9·5 E.	.....	.....	.....	.....	.....	.....	Erebus.
At sea (3 observations)	34 56	151 35	1841	.....	.....	.....	.....	.....	.....	12·89	.....	12·89	Erebus.
At sea (3 observations)	36 21	151 39	1841	.....	.....	.....	66 11 s.	.....	66·2 s.	.....	.....	.....	Terror.
At sea (4 observations)	36 01	151 48	1841	.....	.....	.....	65 04 s.	.....	65·1 s.	.....	.....	.....	Erebus.
Port Stephens	32 40	152 02	1842	9 45 E.	.....	9·8 E.	61 24 s.	.....	61·4 s.	12·30	.....	12·30	H.M.S. 'Fly.'
			1844	.....	.....	.....	61 29 s.	.....	61·5 s.	12·30	.....	12·30	H.M.S. 'Fly.'
At sea.....	31 37	153 28	1858	8 58 E.	.....	9·0 E.	.....	.....	.....	.....	.....	.....	Novara.
At sea (8 observations)	33 58	153 35	1841	.....	.....	.....	62 30 s.	.....	62·5 s.	.....	.....	.....	Terror.
At sea (4 observations)	33 58	153 36	1841	.....	.....	.....	.....	.....	.....	12·76	.....	12·76	Terror.
At sea (3 observations)	34 09	153 42	1850	.....	.....	.....	61 36 s.	.....	61·6 s.	12·41	.....	12·41	Rattlesnake.
At sea (2 observations)	33 54	153 50	1841	10 07 E.	.....	10·1 E.	.....	.....	.....	.....	.....	.....	Erebus.

SOUTH EQUATORIAL ZONE IV.—Lat. 30° to 40° S. (continued).

Stations.	Lat. S.	Long. E.	Date.	Declination.			Inclination.			Force in British units.			Observers.
				Observed.	Correction to Epoch 1842·5.	Corrected.	Observed.	Cor. to Epoch 1842·5.	Corrected.	Observed.	Cor. to Epoch 1842·5.	Corrected.	
	° ′	° ′		° ′	° ′	°	° ′		°				
At sea (7 observations)	36 20	153 58	1826	9 05 E.	.....	9·1 E.	.....	.....	.....	.....	.....	.....	D'Urville.
At sea (5 observations)	33 52	154 07	1841	.....	.....	.....	62 47 S.	.....	62·8 S.	12·69	.....	12·69	Erebus.
At sea (4 observations)	33 56	156 38	1841	.....	.....	.....	61 46 S.	.....	61·8 S.	12·58	.....	12 58	Terror.
At sea (5 observations)	33 51	157 18	1841	.....	.....	.....	62 07 S.	.....	62·1 S.	12·49	.....	12·49	Erebus.
At sea (3 observations)	32 32	157 23	1858	11 07 E.	0 16 W.	10·9 E.	.....	.....	.....	.....	.....	.....	Novara.
At sea (5 observations)	33 12	158 10	1854	8 30 E.	0 12 W.	8·3 E.	.....	.....	.....	.....	.....	.....	Denham.
At sea (2 observations)	33 09	159 18	1863	11 47 E.	.....	11·8 E.	.....	.....	.....	.....	.....	.....	Richards.
At sea (4 observations)	33 31	160 20	1841	.....	.....	.....	61 04 S.	.....	61·1 S.	12·52	.....	12·52	Terror.
At sea (5 observations)	33 27	160 43	1841	.....	.....	.....	61 30 S.	.....	61·5 S.	12·40	.....	12·40	Erebus.
At sea (5 observations)	31 11	161 04	1855	12 04 E.	10 13 W.	11·9 E.	.....	.....	.....	.....	.....	.....	Denham.
At sea (4 observations)	33 00	161 24	1854	10 49 E.	0 12 W.	10·6 E.	.....	.....	.....	.....	.....	.....	Denham.
At sea (2 observations)	32 22	161 47	1858	11 16 E.	0 16 W.	11·0 E.	.....	.....	.....	.....	.....	.....	Novara.
At sea (8 observations)	33 33	162 01	1841	12 02 E.	.....	12·0 E.	.....	.....	.....	.....	.....	.....	Erebus.
At sea (3 observations)	32 41	162 04	1863	12 10 E.	.....	12·2 E.	.....	.....	.....	.....	.....	.....	Richards.
At sea (10 observations)	33 35	162 47	1841	14 26 E.	.....	14·4 E.	.....	.....	.....	.....	.....	.....	Terror.
At sea (5 observations)	33 38	163 42	1841	.....	.....	.....	60 48 S.	.....	60·8 S.	12·30	.....	12·30	Erebus.
At sea (4 observations)	33 42	163 50	1841	.....	.....	.....	.....	.....	.....	12·42	.....	12·42	Terror.
At sea (4 observations)	33 42	164 05	1841	.....	.....	.....	60 52 S.	.....	60·9 S.	.....	.....	.....	Terror.
At sea (2 observations)	34 35	164 32	1836	13 27 E.	0 05 E.	13·5 E.	.....	.....	.....	.....	.....	.....	FitzRoy.
At sea (3 observations)	31 33	165 04	1863	12 34 E.	.....	12·6 E.	.....	.....	.....	.....	.....	.....	Richards.
At sea (3 observations)	31 26	165 19	1850	.....	.....	.....	56 11 S.	.....	56·2 S.	.....	.....	.....	Rattlesnake.
At sea (2 observations)	33 41	166 23	1841	.....	.....	.....	.....	.....	.....	12·18	.....	12·18	Erebus.
At sea (8 observations)	33 41	166 26	1841	13 34 E.	.....	13·6 E.	.....	.....	.....	.....	.....	.....	Erebus.
At sea (3 observations)	33 36	166 27	1858	12 39 E.	0 16 W.	12·4 E.	.....	.....	.....	.....	.....	.....	Novara.
At sea (5 observations)	33 38	166 28	1841	.....	.....	.....	60 07 S.	.....	60·1 S.	.....	.....	.....	Erebus.
At sea (16 observations)	33 48	166 29	1841	13 40 E.	.....	13·7 E.	.....	.....	.....	.....	.....	.....	Terror.
At sea (10 observations)	33 44	166 37	1841	.....	.....	.....	59 55 S.	.....	59·9 S.	.....	.....	.....	Terror.
At sea (4 observations)	33 45	166 38	1841	.....	.....	.....	.....	.....	.....	12·19	.....	12·19	Terror.
At sea (3 observations)	33 17	166 41	1854	11 30 E.	0 12 W.	11·3 E.	.....	.....	.....	.....	.....	.....	Denham.
At sea (7 observations)	31 05	167 22	1863	12 21 E.	.....	12·3 E.	.....	.....	.....	.....	.....	.....	Richards.
At sea (7 observations)	33 32	167 35	1841	13 27 E.	.....	13·5 E.	.....	.....	.....	.....	.....	.....	Erebus.
At sea (5 observations)	33 34	167 37	1841	.....	.....	.....	.....	.....	.....	11·99	.....	11·99	Terror.
At sea (9 observations)	33 33	167 38	1841	.....	.....	.....	59 58 S.	.....	60·0 S.	.....	.....	.....	Terror.
At sea (5 observations)	33 22	167 40	1841	.....	.....	.....	59 39 S.	.....	59·7 S.	12·12	.....	12·12	Erebus.
At sea (3 observations)	34 09	167 48	1850	.....	.....	.....	59 47 S.	.....	59·8 S.	11·88	.....	11·88	Rattlesnake.
At sea (12 observations)	33 37	168 04	1841	15 02 E.	.....	15·0 E.	.....	.....	.....	.....	.....	.....	Terror.
At sea (3 observations)	33 00	168 22	1850	.....	.....	.....	57 16 S.	.....	57·3 S.	.....	.....	.....	Rattlesnake.
At sea (6 observations)	31 28	168 25	1850	.....	.....	.....	55 37 S.	.....	55·6 S.	11·35	.....	11 35	Rattlesnake.
At sea (2 observations)	33 25	169 15	1854	12 28 E.	0 12 W.	12·3 E.	.....	.....	.....	.....	.....	.....	Denham.
At sea (4 observations)	32 58	169 20	1841	.....	.....	.....	.....	.....	.....	12·04	.....	12 04	Terror.
At sea (9 observations)	33 00	169 20	1841	.....	.....	.....	58 43 S.	.....	58·7 S.	.....	.....	.....	Terror.
At sea (5 observations)	32 58	169 20	1841	.....	.....	.....	59 04 S.	.....	59·1 S.	12·04	.....	12·04	Erebus.
At sea (11 observations)	33 42	169 44	1841	12 54 E.	.....	12·9 E.	.....	.....	.....	.....	.....	.....	Erebus.
At sea (4 observations)	32 12	170 27	1841	.....	.....	.....	58 33 S.	.....	58·5 S.	.....	.....	.....	Erebus.
At sea (3 observations)	33 21	170 53	1850	.....	.....	.....	57 21 S.	.....	57·3 S.	11·60	.....	11·60	Rattlesnake.
At sea (6 observations)	32 12	170 54	1841	.....	.....	.....	.....	.....	.....	11·91	.....	11·91	Terror.
At sea (11 observations)	32 11	171 01	1841	.....	.....	.....	57 28 S.	.....	57·5 S.	.....	.....	.....	Terror.
At sea (8 observations)	33 57	171 58	1841	.....	.....	.....	58 24 S.	.....	58·4 S.	.....	.....	.....	Erebus.
At sea (5 observations)	33 55	171 59	1841	.....	.....	.....	58 24 S.	.....	58·4 S.	.....	.....	.....	Terror.
At sea (6 observations)	33 32	171 59	1841	.....	.....	.....	.....	.....	.....	11·86	.....	11·86	Erebus.
At sea (6 observations)	33 57	172 03	1841	.....	.....	.....	.....	.....	.....	12·00	.....	12·00	Terror.
At sea (7 observations)	33 58	172 06	1841	.....	.....	.....	58 14 S.	.....	58·2 S.	.....	.....	.....	Terror.
Three Kings Islands...	34 06	172 10	1852	14 55 E.	.....	14·9 E.	.....	.....	.....	.....	.....	.....	Drury.
At sea (2 observations)	33 51	172 32	1854	14 02 E.	0 12 W.	13·8 E.	.....	.....	.....	.....	.....	.....	Denham.
At sea (9 observations)	34 15	172 33	1841	13 45 E.	.....	13·7 E.	.....	.....	.....	.....	.....	.....	Terror.
At sea (5 observations)	34 15	172 50	1841	.....	.....	.....	58 48 S.	.....	58·8 S.	11·97	.....	.....	Terror.
Parengarenga	34 31	173 02	1852	13 30 E.	.....	13·5 E.	.....	.....	.....	.....	.....	.....	Drury.
At sea (3 observations)	34 22	173 05	1850	.....	.....	.....	57 32 S.	.....	57·5 S.	11·56	.....	11·56	Rattlesnake.
At sea (4 observations)	34 35	173 21	1827	13 34 E.	0 15 E.	13·8 E.	.....	.....	.....	.....	.....	.....	D'Urville.
Hokianga	35 32	173 23	1851	.....	.....	.....	59 46 S.	.....	59·8 S.	12·10	.....	12·10	Kerr.
Cape Kara Kara	34 47	173 25	1852	13 15 E.	.....	13·2 E.	.....	.....	.....	.....	.....	.....	Drury.
At sea (2 observations)	34 32	173 28	1836	13 35 E.	0 06 E.	13·7 E.	.....	.....	.....	.....	.....	.....	FitzRoy.

SOUTH EQUATORIAL ZONE IV.—Lat. 30° to 40° S. (continued).

Stations.	Lat. S.	Long. E.	Date.	Declination.			Inclination.			Force in British units.			Observers.
				Observed.	Correction to Epoch 1842·5.	Corrected.	Observed.	Cor. to Epoch 1842·5.	Corrected.	Observed.	Cor. to Epoch 1842·5.	Corrected.	
	° ′	° ′		° ′	° ′	°	° ′		°				
At sea (11 observations)	34 31	173 28	1841	13 56 E.	.....	13·9 E.	.....	.....	.....	.....	.....	.....	Erebus.
Hokianga	35 31	173 32	1825	13 23 E.	0 17 E.	13·7 E.	.....	.....	.....	.....	.....	.....	Herd.
At sea (6 observations)	34 29	173 36	1841	.....	.....	.....	58 26 S.	.....	58·4 S.	.....	.....	.....	Erebus.
At sea (7 observations)	34 24	173 43	1841	.....	.....	.....	59 00 S.	.....	59·0 S.	12·13	.....	12·13	Terror.
At sea (5 observations)	34 32	173 47	1841	13 42 E.	.....	13·7 E.	.....	.....	.....	.....	.....	.....	Terror.
Wangaroa	35 02	173 47	1853	.....	.....	.....	58 27 S.	.....	58·4 S.	.....	.....	.....	Kerr.
			1854	14 10 E.	.....	14·2 E.	.....	.....	.....	.....	.....	.....	Drury.
At sea	33 22	173 48	1858	12 26 E.	0 16 W.	12·2 E.	.....	.....	.....	.....	.....	.....	Novara.
At sea (2 observations)	34 18	173 57	1854	13 57 E.	0 12 W.	13·7 E.	.....	.....	.....	.....	.....	.....	Denham.
Bay of Islands	35 16	174 00	1824	13 22 E.	0 18 E.	13·7 E.	59 35 S.	.....	59·6 S.	.....	.....		Duperrey.
			1827	13 08 E.	0 15 E.	13·4 E.	.....	.....	.....	.....	.....		D'Urville.
			1835	14 00 E.	0 07 E.	14·1 E.	59 32 S.	.....	59·5 S.	.....	.....		FitzRoy.
			1838	13 30 E.	0 04 E.	13·6 E.	.....	.....	.....	.....	.....		Cécille.
			1838	13 33 E.	0 04 E.	13·6 E. °	58 58 S.	.....	59·0 S. °	.....	.....		La Vénus.
			1841	13 36 E.	.....	13·6 E. } 13·7 E.	.....	.....	..... } 59·4 S.	.....	.....	12·01	Erebus.
			1841	.....	.....	.....	59 36 S.	.....	59·6 S.	12·05	.....		Terror.
			1841	.....	.....	.....	59 25 S.	.....	59·4 S.	12·06	.....		Terror.
			1841	.....	.....	.....	59 31 S.	.....	59·5 S.	11·94	.....		Erebus.
			1849	14 20 E.	0 07 W.	14·2 E.	.....	.....	.....	.....	.....		Stokes.
			1850	13 27 E.	0 08 W.	13·3	59 33 S.	.....	59·5 S.	11·97	.....		Rattlesnake.
New Plymouth	39 04	174 05	1849	14 45 E.	.....	14·7 E.	.....	.....	.....	.....	.....	.....	Stokes.
Kaipara	36 20	174 11	1852	.....	.....	.....	60 43 S.	.....	60·7 S.	12·10	.....	12·10	Kerr.
Wangaruru Harbour..	35 24	174 22	1849	14 25 E.	.....	14·4 E.	.....	.....	.....	.....	.....	.....	Stokes.
At sea (10 observations)	35 16	174 23	1841	.....	.....	.....	59 28 S.	.....	59·5 S.	.....	.....	.....	Erebus.
Wangari Harbour ...	35 51	174 32	1849	14 20 E.	.....	14·3 E.	.....	.....	.....	.....	.....	.....	Stokes.
At sea (2 observations)	35 15	174 39	1841	.....	.....	.....	.....	.....	.....	12·07	.....	12·07	Erebus.
Auckland Harbour ...	36 50	174 49	1841	13 53 E.	.....	13·9 E.	61 10 S.	.....	61·2 S.	12·33	.....		Novara.
			1848	14 11 E.	.....	14·2 E. } 14·0 E.	.....	.....	..... } 61·0 S.	.....	.....	12·41	Stokes.
			1851	.....	.....	.....	60 43 S.	.....	60·7 S.	12·50	.....		Kerr.
At sea (3 observations)	33 55	174 54	1854	14 03 E.	0 12 W.	13·9 E.	.....	.....	.....	.....	.....	.....	Denham.
Waiheki Island	36 49	175 11	1853	.....	.....	.....	59 56 S.	.....	59·9 S.	.....	.....	.....	Kerr.
Great Barrier Island...	36 09	175 21	1848	13 33 E.	.....	13·5 E.	.....	.....	.....	.....	.....	.....	Stokes.
At sea (6 observations)	35 53	175 26	1858	12 50 E.	0 16 W.	12·6 E.	.....	.....	.....	.....	.....	.....	Novara.
At sea (2 observations)	32 01	175 32	1835	14 15 E.	0 07 W.	14·1 E.	.....	.....	.....	.....	.....	.....	FitzRoy.
Mercury Bay	36 49	175 45	1852	.....	.....	.....	61 19 S.	.....	61·3 S.	.....	.....	.....	Kerr.
Tauranga Harbour ...	37 36	176 11	1853	15 00 E.	.....	15·0 E.	.....	.....	.....	.....	.....	.....	Drury.
At sea (12 observations)	36 05	176 17	1841	.....	.....	.....	59 20 S.	.....	59·3 S.	.....	.....	.....	Terror.
At sea (14 observations)	37 11	176 29	1827	14 11 E.	0 15 E.	14·4 E.	.....	.....	.....	.....	.....	.....	D'Urville.
Ahuriri	39 29	176 55	1855	16 00 E.	.....	16·0 E.	.....	.....	.....	.....	.....	.....	Drury.
Opotiki	37 58	177 18	1855	14 46 E.	.....	14·8 E.	.....	.....	.....	.....	.....	.....	Drury.
At sea	35 38	177 22	1859	13 12 E.	0 17 W.	12·9 E.	.....	.....	.....	.....	.....	.....	Novara.
At sea (4 observations)	36 20	177 27	1841	.....	.....	.....	.....	.....	.....	12·11	.....	12·11	Terror.
At sea (5 observations)	36 27	177 34	1841	.....	.....	.....	59 54 S.	.....	59·9 S.	12·08	.....	12·08	Erebus.
At sea (11 observations)	36 39	177 58	1841	14 24 E.	.....	14·4 E.	.....	.....	.....	.....	.....	.....	Erebus.
Poverty Bay	38 45	177 59	1855	14 49 E.	.....	14·8 E.	.....	.....	.....	.....	.....	.....	Drury.
Cape Runaway	37 31	178 00	1855	14 47 E.	.....	14·8 E.	.....	.....	.....	.....	.....	.....	Drury.
At sea (3 observations)	31 31	178 05	1854	13 18 E.	0 12 W.	13·1 E.	.....	.....	.....	.....	.....	.....	Denham.
Hicks Bay	37 32	178 21	1853	.....	.....	.....	59 41 S.	.....	59·7 S.	.....	.....	.....	Kerr.
			1855	14 47 E.	.....	14·8 E.	.....	.....	.....	.....	.....	.....	Drury.
At sea (3 observations)	30 42	178 50	1854	12 12 E.	0 12 W.	12·0 E.	.....	.....	.....	.....	.....	.....	Denham.
At sea (2 observations)	38 17	179 31	1841	.....	.....	.....	.....	.....	.....	12·09	.....	12·09	Erebus.
At sea (10 observations)	38 03	179 32	1841	14 55 E.	.....	14·9 E.	.....	.....	.....	.....	.....	.....	Terror.
At sea (8 observations)	38 14	179 47	1841	.....	.....	.....	.....	.....	.....	12·24	.....	12·24	Terror.
At sea (13 observations)	38 02	179 51	1841	14 44 E.	.....	14·7 E.	.....	.....	.....	.....	.....	.....	Erebus.
At sea (6 observations)	38 17	179 51	1841	.....	.....	.....	60 34 S.	.....	60·6 S.	.....	.....	.....	Erebus.
At sea (15 observations)	38 16	179 58	1841	.....	.....	.....	60 37 S.	.....	60·6 S.	.....	.....	.....	Terror.
At sea (3 observations)	34 54	181 14	1850	.....	.....	.....	56 18 S.	.....	56·3 S.	11·32	.....	11·32	Rattlesnake.
At sea	30 29	181 20	1827	12 00 E.	0 15 E.	12·3 E.	.....	.....	.....	.....	.....	.....	D'Urville.
At sea	33 41	181 22	1859	12 36 E.	0 17 W.	12·3 E.	.....	.....	.....	.....	.....	.....	Novara.
At sea (10 observations)	38 55	182 05	1841	.....	.....	.....	.....	.....	.....	12·29	.....	12·29	Terror.
At sea (17 observations)	38 54	182 17	1841	.....	.....	.....	61 21 S.	.....	61·3 S.	.....	.....	.....	Terror.
At sea (11 observations)	39 08	182 30	1841	.....	.....	.....	61 34 S.	.....	61·6 S.	.....	.....	.....	Erebus.

SOUTH EQUATORIAL ZONE IV.—Lat. 30° to 40° S. (continued).

Stations.	Lat. S.	Long. E.	Date.	Declination.			Inclination.			Force in British units.			Observers.
				Observed.	Correction to Epoch 1842·5.	Corrected.	Observed.	Cor. to Epoch 1842·5.	Corrected.	Observed.	Cor. to Epoch 1842·5.	Corrected.	
	° ′	° ′		° ′	° ′	°	° ′		°				
At sea (4 observations)	39 10	182 35	1841	.....	.....	.....	.....	.....	.....	12·10	.....	12·10	Erebus.
At sea (11 observations)	39 29	182 42	1841	16 55 E.	.....	16·9 E.	.....	.....	.....	.....	.....	.....	Terror.
At sea (13 observations)	39 10	182 43	1841	14 43 E.	.....	14·7 E.	.....	.....	.....	.....	.....	.....	Erebus.
At sea (8 observations)	39 22	182 57	1841	.....	.....	.....	.....	.....	.....	12·27	.....	12·27	Terror.
At sea (16 observations)	39 21	182 57	1841	.....	.....	.....	61 15 s.	.....	61·3 s.	.....	.....	.....	Terror.
At sea (3 observations)	35 29	183 46	1850	.....	.....	.....	56 18 s.	.....	56·3 s.	11·20	.....	11·20	Rattlesnake.
At sea (3 observations)	36 25	185 27	1850	.....	.....	.....	56 46 s.	.....	56·8 s.	11·39	.....	11·39	Rattlesnake.
At sea (3 observations)	36 44	187 20	1850	.....	.....	.....	57 19 s.	.....	57·3 s.	11·38	.....	11·38	Rattlesnake.
At sea (2 observations)	35 00	188 32	1859	11 40 E.	0 17 W.	11·4 E.	.....	.....	.....	.....	.....	.....	Novara.
At sea (3 observations)	37 40	190 54	1850	.....	.....	.....	57 20 s.	.....	57·3 s.	11·23	.....	11·23	Rattlesnake.
At sea (3 observations)	38 29	193 54	1850	.....	.....	.....	57 43 s.	.....	57·7 s.	11·49	.....	11·49	Rattlesnake.
At sea (3 observations)	35 29	195 03	1859	10 58 E.	0 17 W.	10·7 E.	.....	.....	.....	.....	.....	.....	Novara.
At sea (3 observations)	39 21	197 37	1850	.....	.....	.....	58 24 s.	.....	58·4 s.	11·32	.....	11·32	Rattlesnake.
At sea (3 observations)	34 59	197 47	1859	11 02 E.	0 17 W.	10·7 E.	.....	.....	.....	.....	.....	.....	Novara.
At sea (3 observations)	32 14	202 35	1859	9 59 E.	0 17 W.	9·7 E.	.....	.....	.....	.....	.....	.....	Novara.
At sea	30 24	213 18	1830	8 24 E.	0 12 E.	8·6 E.	47 21 s.	.....	47·3 s.	10·44	.....	10·44	Erman.
At sea	32 21	214 32	1830	.....	.....	.....	49 35 s.	.....	49·6 s.	10·57	.....	10·57	Erman.
At sea	32 41	215 02	1830	8 29 E.	0 12 E.	8·7 E.	.....	.....	.....	.....	.....	.....	Erman.
At sea	34 35	216 48	1830	7 44 E.	0 12 E.	7·9 E.	51 14 s.	.....	51·2 s.	10·34	.....	10·34	Erman.
At sea	37 08	218 13	1830	7 34 E.	0 12 E.	7·8 E.	.....	.....	.....	.....	.....	.....	Erman.
At sea	37 39	218 18	1830	.....	.....	.....	54 16 s.	.....	54·3 s.	11·18	.....	11·18	Erman.
At sea	35 02	218 42	1830	7 30 E.	0 12 E.	7·7 E.	52 26 s.	.....	52·4 s.	10·44	.....	10·44	Erman.
At sea	36 17	220 05	1830	.....	.....	.....	52 18 s.	.....	52·3 s.	10·62	.....	10·62	Erman.
At sea (2 observations)	34 19	220 14	1830	6 24 E.	0 12 E.	6·6 E.	.....	.....	.....	.....	.....	.....	Erman.
At sea	35 21	220 21	1830	8 15 E.	0 12 E.	8·5 E.	.....	.....	.....	.....	.....	.....	Erman.
At sea	34 28	220 33	1830	.....	.....	.....	50 34 s.	.....	50·6 s.	10·82	.....	10·82	Erman.
At sea	30 40	236 28	1859	9 34 E.	0 17 W.	9·3 E.	.....	.....	.....	.....	.....	.....	Novara.
At sea	31 51	241 34	1859	10 42 E.	0 17 W.	10·4 E.	.....	.....	.....	.....	.....	.....	Novara.
At sea (2 observations)	36 17	271 00	1827	12 58 E.	0 15 E.	13·2 E.	.....	.....	.....	.....	.....	.....	Prussian ships.
Mas Afuera Island	33 45	279 06	1832	16 00 E.	0 10 E.	16·2 E.	.....	.....	.....	.....	.....	.....	Laplace.
At sea	38 01	280 11	1836	15 33 E.	0 06 E.	15·7 E.	.....	.....	.....	.....	.....	.....	Bonite.
Juan Fernandez	33 38	281 07	1830	17 13 E.	.....	17·2 E.	44 50 s.	.....	44·8 s.	.....	.....	.....	King.
At sea	35 11	281 35	1859	17 51 E.	.....	17·9 E.	.....	.....	.....	.....	.....	.....	Novara.
At sea	38 08	282 48	1834	17 27 E.	.....	17·5 E.	.....	.....	.....	.....	.....	.....	FitzRoy.
At sea	36 15	283 20	1836	18 24 E.	.....	18·4 E.	.....	.....	.....	.....	.....	.....	Bonite.
At sea (9 observations)	33 02	283 59	1827	16 34 E.	.....	16·6 E.	.....	.....	.....	.....	.....	.....	Lütke.
At sea	33 16	284 41	1859	17 07 E.	.....	17·1 E.	.....	.....	.....	.....	.....	.....	Novara.
At sea	34 28	284 51	1836	16 05 E.	.....	16·1 E.	.....	.....	.....	.....	.....	.....	Bonite.
At sea (3 observations)	32 17	285 09	1859	15 09 E.	.....	15·1 E.	.....	.....	.....	.....	.....	.....	Novara.
At sea	34 52	285 09	1836	17 31 E.	.....	17·5 E.	.....	.....	.....	.....	.....	.....	Bonite.
At sea (4 observations)	37 22	285 17	1828	16 27 E.	.....	16·5 E.	.....	.....	.....	.....	.....	.....	Prussian ships.
At sea (3 observations)	36 37	285 32	1827	16 38 E.	.....	16·6 E.	.....	.....	.....	.....	.....	.....	Lütke.
At sea (4 observations)	32 34	285 56	1859	15 11 E.	.....	15·2 E.	.....	.....	.....	.....	.....	.....	Novara.
Mocha Island	38 19	286 00	1823	17 22 E.	.....	17·4 E.	.....	.....	.....	.....	.....	.....	Morrell.
Mean of 3 stations	37 40	286 15	1835	17 10 E.	.....	17·2 E.	.....	.....	.....	.....	.....	.....	FitzRoy.
At sea (3 observations)	33 12	286 24	1827	15 50 E.	.....	15·8 E.	.....	.....	.....	.....	.....	.....	Prussian ships.
Valdivia (2 stations)	39 51	286 37	1835	18 18 E.	.....	18·3 E.	46 46 s.	.....	46·8 s.	.....	.....	.....	FitzRoy.
Concepcion	36 42	286 50	1823	16 16 E.	.....	16·3 E.	44 42 s.	.....	44·7 s.	9·60	.....	9·60	Duperrey.
			1824	15 00 E.	.....	15·0 E.	.....	.....	.....				Kotzebue.
			1825	16 49 E.	.....	16·8 E.	.....	.....	.....				Beechey.
			1827	17 02 E.	.....	17·0 E.	45 33 s.	.....	45·5 s.				Lütke.
			1829	16 47 E.	.....	16·8 E.	45 10 s.	.....	45·2 s.				King.
			1835	16 48 E.	.....	16·8 E.	43 15 s.	.....	43·3 s.				FitzRoy.
						16·5 E.			44·7 s.				
Near Maule (2 stations)	36 01	287 10	1835	16 36 E.	.....	16·6 E.	.....	.....	.....	.....	.....	.....	FitzRoy.
At sea (2 observations)	38 18	287 30	1835	17 38 E.	.....	17·6 E.	.....	.....	.....	.....	.....	.....	FitzRoy.
At sea	33 07	287 48	1836	14 19 E.	.....	14·3 E.	.....	.....	.....	.....	.....	.....	Bonite.
At sea	33 04	287 51	1834	17 16 E.	.....	17·3 E.	.....	.....	.....	.....	.....	.....	FitzRoy.
At sea	35 11	288 15	1835	16 34 E.	.....	16·6 E.	.....	.....	.....	.....	.....	.....	FitzRoy.

SOUTH EQUATORIAL ZONE IV.—Lat. 30° to 40° S. (continued).

Stations.	Lat. S.	Long. E.	Date.	Declination.			Inclination.			Force in British units.			Observers.
				Observed.	Correction to Epoch 1842·5.	Corrected.	Observed.	Cor. to Epoch 1842·5.	Corrected.	Observed.	Cor. to Epoch 1842·5.	Corrected.	
	° ′	° ′		° ′	° ′	°	° ′		°				
			1823	15 41 E.	.....	15·7 E.	.....	.....	.....	.....	.....	.....	Morrell.
			1825	15 52 E.	.....	15·9 E.	.....	.....	.....	.....	.....	.....	Beechey.
			1827	14 26 E.	.....	14·4 E.	39 56 s.	.....	39·9 s.	.....	.....	.....	Lütke.
			1830	15 18 E.	.....	15·3 E.	40 11 s.	.....	40·2 s.	.....	.....	.....	King.
			1831	15 00 E.	.....	15·0 E.	.....	.....	.....	.....	.....	.....	Laplace.
			1835	15 18 E.	.....	15·3 E.	38 03 s.	.....	38·1 s.	.....	.....	.....	FitzRoy.
Valparaiso	33 02	288 19	1836	.....	.....	..... 15·4 E.	37 05 s.	.....	37·1 s. 37·6 s.	.....	.....	7·77	Beechey.
			1837	15 35 E.	.....	15·6 E.	38 20 s.	.....	38·3 s.	.....	.....	.....	La Vénus.
			1838	.....	.....	.....	38 43 s.	.....	38·7 s.	.....	.....	.....	La Vénus.
			1838	15 36 E.	.....	15·6 E.	38 12 s.	.....	38·2 s.	.....	.....	.....	La Vénus.
			1859	15 40 E.	.....	15·7 E.	35 40 s.	.....	35·7 s.	7·94	.....	.....	Novara.
			1866	15 51 E.	.....	15·9 E.	35 23 s.	.....	35·4 s.	7·76	.....	.....	Harkness.
			1868	.....	.....	.....	54 23 s.	.....	34·4 s.	7·62	.....	.....	H.M.S. 'Nassau.'
Papuda Bay (2 stations)	32 19	288 27	1835	15 18 E.	.....	15·3 E.	.....	.....	.....	.....	.....	.....	FitzRoy.
Chaco de Montenegro.	32 46	289 20	1852	16 22 E.	.....	16·4 E.	35 10 s.	.....	35·2 s.	7·94	.....	7·94	Macrae.
Santiago	33 26	289 22	1852	16 27 E.	.....	16·5 E.	35 37 s.	.....	35·6 s.	7·94	.....	7·94	Macrae.
Casucha de la Cumbre	32 49	289 50	1852	.....	.....	.....	34 52 s.	.....	34·9 s.	.....	.....	.....	Macrae.
Upsallata	32 34	290 33	1852	15 06 E.	.....	15·1 E.	.....	.....	.....	7·73	.....	7·73	Macrae.
Mendoza	32 51	291 03	1852	15 05 E.	.....	15·1 E.	34 23 s.	.....	34·4 s.	7·76	.....	7·76	Macrae.
Acorocorto	33 26	292 18	1852	14 56 E.	.....	14·9 E.	34 26 s.	.....	34·4 s.	7·73	.....	7·73	Macrae.
San Luis de la Punta	33 17	293 33	1852	14 40 E.	.....	14·7 E.	33 25 s.	.....	33·4 s.	7·63	.....	7·63	Macrae.
Villa de la Concepcion	33 07	295 37	1852	13 28 E.	.....	13·5 E.	32 38 s.	.....	32·6 s.	7·50	.....	7·50	Macrae.
Peje tree Station	32 58	297 28	1852	13 00 E.	.....	13·0 E.	31 50 s.	.....	31·8 s.	7·40	.....	7·40	Macrae.
Colorado River (4 stations)	39 47	297 55	1835	15 40 E.	0 28 W.	15·2 E.	.....	.....	.....	.....	.....	.....	FitzRoy.
Blanco Bay	38 57	298 01	1828	13 39 E.	0 56 W.	12·7 E. 13·5 E.	.....	.....	.....	.....	.....	.....	D'Orbigny.
			1833	15 00 E.	0 36 W.	14·4 E.	43 12 s.	.....	43·2 s.	.....	.....	.....	FitzRoy.
Hermosa Mount (5 stations)	39 01	298 03	1832	15 08 E.	0 40 W.	14·5 E.	.....	.....	.....	.....	.....	.....	FitzRoy.
At sea (4 observations)	39 00	298 21	1833	15 10 E.	0 36 W.	14·6 E.	.....	.....	.....	.....	.....	.....	FitzRoy.
El Rosario	32 56	299 28	1852	12 01 E.	.....	12·0 E.	30 57 s.	.....	30·9 s.	7·27	.....	7·27	Macrae.
Bahada de Santa Fé	31 41	299 34	1846	13 14 E.	0 16 E.	13·5 E.	.....	.....	.....	.....	.....	.....	Sulivan.
Buenos Ayres	34 36	301 38	1829	13 10 E.	0 52 W.	12·3 E.	.....	.....	.....	.....	.....	.....	D'Orbigny.
			1833	11 40 E.	0 36 W.	11·1 E. 11·7 E.	.....	.....	.....	.....	.....	.....	FitzRoy.
			1852	11 45 E.	.....	11·8 E.	32 11 s.	.....	32·2 s.	7·32	.....	7·32	Macrae.
Uruguay River	33 41	301 53	1845	12 06 E.	0 10 E.	12·3 E.	.....	.....	.....	.....	.....	.....	Sulivan.
Sandy Island	32 20	301 55	1845	11 14 E.	0 10 E.	11·4 E.	.....	.....	.....	.....	.....	.....	Sulivan.
Colonia	34 28	302 11	1844	11 36 E.	0 06 E.	11·7 E.	.....	.....	.....	.....	.....	.....	Sulivan.
Cape Corrientes (4 stations)	38 00	302 21	1832	13 50 E.	0 42 W.	13·1 E.	.....	.....	.....	.....	.....	.....	FitzRoy.
At sea	34 42	302 28	1832	11 33 E.	0 42 W.	10·9 E.	.....	.....	.....	.....	.....	.....	FitzRoy.
Cape San Antonio (4 stations)	35 48	302 53	1832	12 37 E.	0 42 W.	11·9 E.	.....	.....	.....	.....	.....	.....	FitzRoy.
At sea (7 observations)	34 51	303 10	1832	12 13 E.	0 42 W.	11·5 E.	.....	.....	.....	.....	.....	.....	FitzRoy.
At sea (3 observations)	35 41	303 12	1832	11 49 E.	0 42 W.	11·1 E.	.....	.....	.....	.....	.....	.....	FitzRoy.
At sea	38 50	303 20	1838	.....	.....	.....	40 15 s.	.....	40·3 s.	8·09	.....	8·09	Sulivan.
At sea (3 observations)	36 57	303 25	1832	12 36 E.	0 40 W.	11·9 E.	.....	.....	.....	.....	.....	.....	FitzRoy.
At sea (3 observations)	34 50	303 35	1833	11 46 E.	0 36 W.	11·2 E.	.....	.....	.....	.....	.....	.....	FitzRoy.
At sea (3 observations)	34 57	303 42	1832	12 28 E.	0 40 W.	11·8 E.	.....	.....	.....	.....	.....	.....	FitzRoy.
Monte Video	34 53	303 47	1827	12 07 E.	1 00 W.	11·1 E.	36 28 s.	.....	36·5 s.	.....	.....	.....	King.
			1829	11 43 E.	0 52 W.	10·9 E.	.....	.....	.....	.....	.....	.....	D'Orbigny.
			1830	11 42 E.	0 48 W.	10·9 E.	.....	.....	.....	.....	.....	.....	Duperrey.
			1833	12 40 E.	0 36 W.	12·1 E.	34 51 s.	.....	34·9 s.	.....	.....	.....	FitzRoy.
			1836	10 35 E.	0 24 W.	10·2 E.	34 50 s.	.....	34·8 s.	.....	.....	.....	Bonite.
			1838	.....	.....	..... 11·0 E.	34 03 s.	.....	34·1 s. 33·5 s.	7·52	.....	7·20	Sulivan.
			1843	10 42 E.	.....	10·7 E.	.....	.....	.....	.....	.....	.....	Sulivan.
			1844	10 53 E.	0 06 E.	11·0 E.	.....	.....	.....	.....	.....	.....	Sulivan.
			1852	10 13 E.	0 40 E.	10·9 E.	32 07 s.	.....	32·1 s.	7·27	.....	.....	Macrae.
			1866	9 21 E.	1 36 E.	10·9 E.	31 06 s.	.....	31·1 s.	7·05	.....	.....	Harkness.
			1867	.....	.....	.....	31 02 s.	.....	31·0 s.	6·95	.....	.....	H.M.S. 'Nassau.'
Gorriti	34 57	305 03	1829	13 48 E.	0 52 W.	12·9 E.	35 06 s.	.....	35·1 s.	.....	.....	.....	King.
			1833	12 28 E.	0 36 W.	11·9 E. 12·4 E.	.....	.....	.....	.....	.....	.....	FitzRoy.
Rio de la Plata	35 14	305 13	1836	10 57 E.	0 24 W.	10·5 E.	.....	.....	.....	.....	.....	.....	Bonite.
At sea	38 37	305 45	1837	10 34 E.	0 20 W.	10·2 E.	.....	.....	.....	.....	.....	.....	Du Petit Thouars.
At sea	35 52	306 15	1836	8 40 E.	0 24 W.	8·3 E.	.....	.....	.....	.....	.....	.....	Bonite.

SOUTH EQUATORIAL ZONE IV.—Lat. 30° to 40° S. (continued).

Stations.	Lat. S.	Long. E.	Date.	Declination.			Inclination.			Force in British Units.			Observers.
				Observed.	Correction to Epoch 1842·5.	Corrected.	Observed.	Cor. to Epoch 1842·5.	Corrected.	Observed.	Cor. to Epoch 1842·5.	Corrected.	
	° ′	° ′		° ′	° ′	°	° ′		°				
At sea	34 05	306 48	1836	8 25 E.	0 24 W.	8·0 E.	.....	.....	.....	.....	.....	.....	Bonite.
At sea	35 01	306 51	1836	10 14 E.	0 24 W.	9·8 E.	.....	.....	.....	.....	.....	.....	Bonite.
At sea	34 57	307 30	1836	9 10 E.	0 24 W.	8·8 E.	.....	.....	.....	.....	.....	.....	Bonite.
At sea	34 09	307 57	1832	10 27 E.	0 40 W.	9·8 E.	.....	.....	.....	.....	.....	.....	FitzRoy.
At sea	37 52	308 22	1830	12 00 E.	0 48 W.	11·2 E.	.....	.....	.....	.....	.....	.....	Biscoe.
At sea (4 observations)	37 48	308 31	1827	12 12 E.	1 00 W.	11·2 E.	.....	.....	.....	.....	.....	.....	Lütke.
At sea	39 49	308 55	1830	11 44 E.	0 48 W.	10·9 E.	40 19 S.	.....	40·3 S.	7·36	.....	7·36	Erman.
At sea (2 observations)	33 26	309 01	1837	6 33 E.	0 20 W.	6·2 E.	.....	.....	.....	.....	.....	.....	Du Petit Thouars.
At sea	33 16	309 26	1836	8 18 E.	0 24 W.	7·9 E.	.....	.....	.....	.....	.....	.....	Bonite.
At sea	38 29	309 31	1830	11 19 E.	0 48 W.	10·5 E.	.....	.....	.....	.....	.....	.....	Erman.
At sea	33 42	309 39	1836	6 56 E.	0 24 W.	6·5 E.	.....	.....	.....	.....	.....	.....	Bonite.
At sea	38 17	309 40	1830	.....	.....	.....	37 53 S.	.....	37·9 S.	7·36	.....	7·36	Erman.
At sea (2 observations)	37 55	309 54	1830	9 44 E.	0 48 W.	8·9 E.	.....	.....	.....	.....	.....	.....	Erman.
At sea	37 09	309 55	1830	.....	.....	.....	36 42 S.	.....	36·7 S.	7·31	.....	7·31	Erman.
At sea	36 54	310 00	1830	9 34 E.	0 48 W.	8·8 E.	.....	.....	.....	.....	.....	.....	Erman.
At sea	35 46	310 35	1830	8 21 E.	0 48 W.	7·5 E.	34 21 S.	.....	34·3 S.	6·79	.....	6·79	Erman.
At sea	31 44	310 40	1838	.....	.....	.....	28 22 S.	.....	28·4 S.	7·12	.....	7·12	Sulivan.
At sea	34 49	310 55	1830	8 08 E.	0 56 W.	7·2 E.	.....	.....	.....	.....	.....	.....	Erman.
At sea (3 observations)	30 18	311 33	1832	6 55 E.	0 45 W.	6·2 E.	.....	.....	.....	.....	.....	.....	FitzRoy.
At sea (3 observations)	32 02	311 37	1827	8 26 E.	1 07 W.	7·3 E.	.....	.....	.....	.....	.....	.....	Lütke.
At sea	30 56	311 43	1836	4 44 E.	0 27 W.	4·3 E.	.....	.....	.....	.....	.....	.....	Bonite.
At sea	36 46	312 10	1830	11 00 E.	0 56 W.	10·1 E.	.....	.....	.....	.....	.....	.....	Biscoe.
At sea	33 18	312 11	1830	7 18 E.	0 56 W.	6·4 E.	.....	.....	.....	.....	.....	.....	Erman.
At sea	33 04	312 15	1830	.....	.....	.....	30 03 S.	.....	30·1 S.	6·97	.....	6·97	Erman.
At sea	32 18	312 43	1830	7 17 E.	0 56 W.	6·3 E.	.....	.....	.....	.....	.....	.....	Erman.
At sea (7 observations)	33 12	312 58	1831	6 46 E.	0 52 W.	5·9 E.	.....	.....	.....	.....	.....	.....	Prussian ships.
At sea	30 51	313 22	1830	5 15 E.	0 56 W.	4·3 E.	.....	.....	.....	.....	.....	.....	Erman.
At sea (3 observations)	37 41	314 19	1850	.....	.....	.....	31 53 S.	.....	31·9 S.	7·46	.....	7·46	Rattlesnake.
At sea (2 observations)	37 32	315 29	1826	9 50 E.	1 06 W.	8·7 E.	.....	.....	.....	.....	.....	.....	Prussian ships.
At sea (3 observations)	36 01	315 34	1850	.....	.....	.....	30 11 S.	.....	30·2 S.	7·04	.....	7·04	Rattlesnake.
At sea (2 observations)	32 18	315 47	1830	6 15 E.	0 56 W.	5·3 E.	.....	.....	.....	.....	.....	.....	Biscoe.
At sea (3 observations)	35 19	316 03	1850	.....	.....	.....	29 04 S.	.....	29·1 S.	6·99	.....	6·99	Rattlesnake.
At sea	38 48	316 08	1839	.....	.....	.....	36 15 S.	.....	36·3 S.	7·35	.....	7·35	Sulivan.
At sea	30 23	316 15	1846	4 15 E.	0 24 E.	4·7 E.	.....	.....	.....	.....	.....	.....	Sulivan.
At sea	36 10	317 05	1839	.....	.....	.....	34 30 S.	.....	34·5 S.	7·07	.....	7·07	Sulivan.
At sea	30 12	318 18	1843	0 00	.....	0·0	.....	.....	.....	.....	.....	.....	Pasley.
At sea	31 55	318 30	1844	0 00	0 06 E.	0·1 E.	.....	.....	.....	.....	.....	.....	Pasley.
At sea	30 06	318 45	1846	2 10 E.	0 18 E.	2·5 E.	.....	.....	.....	.....	.....	.....	Sulivan.
At sea (3 observations)	35 20	320 21	1850	.....	.....	.....	28 49 S.	.....	28·8 S.	6·97	.....	6·97	Rattlesnake.
At sea	31 26	320 34	1844	1 20 W.	0 06 E.	1·2 W.	.....	.....	.....	.....	.....	.....	Pasley.
At sea	30 22	321 00	1844	1 00 W.	0 06 E.	0·9 W.	.....	.....	.....	.....	.....	.....	Pasley.
At sea	31 20	322 06	1844	1 17 W.	0 06 E.	1·2 W.	.....	.....	.....	.....	.....	.....	Pasley.
At sea (6 observations)	34 31	322 41	1850	.....	.....	.....	27 40 S.	.....	27·7 S.	6·93	.....	6·93	Rattlesnake.
At sea	39 10	322 47	1859	2 10 W.	1 14 E.	0·9 W.	.....	.....	.....	.....	.....	.....	Novara.
At sea (3 observations)	33 10	323 06	1847	.....	.....	.....	28 00 S.	.....	28·0 S.	6·72	.....	6·72	Rattlesnake.
At sea	33 13	323 09	1847	2 48 W.	0 20 E.	2·5 W.	.....	.....	.....	.....	.....	.....	Stanley.
At sea	30 50	323 14	1847	2 24 W.	0 20 E.	2·1 W.	.....	.....	.....	.....	.....	.....	Stanley.
At sea (3 observations)	30 44	323 16	1847	.....	.....	.....	25 02 S.	.....	25·0 S.	6·57	.....	6·57	Rattlesnake.
At sea (2 observations)	33 34	323 46	1829	1 38 E.	1 05 W.	0·5 E.	.....	.....	.....	.....	.....	.....	Rumker.
At sea (3 observations)	38 49	324 03	1829	4 14 E.	1 05 W.	3·1 E.	.....	.....	.....	.....	.....	.....	Rumker.
At sea	35 07	324 14	1847	2 49 W.	0 24 E.	2·4 W.	.....	.....	.....	.....	.....	.....	Stanley.
At sea (3 observations)	35 13	324 23	1847	.....	.....	.....	31 27 S.	.....	31·5 S.	6·87	.....	6·87	Rattlesnake.
At sea (3 observations)	32 12	325 52	1850	.....	.....	.....	24 50 S.	.....	24·8 S.	6·89	.....	6·89	Rattlesnake.
At sea (3 observations)	36 38	326 48	1847	.....	.....	.....	33 55 S.	.....	33·9 S.	6·80	.....	6·80	Rattlesnake.
At sea	36 37	326 57	1847	2 37 W.	0 24 E.	2·2 W.	.....	.....	.....	.....	.....	.....	Stanley.
At sea (3 observations)	30 18	327 30	1850	.....	.....	.....	22 23 S.	.....	22·4 S.	6·67	.....	6·67	Rattlesnake.
At sea	37 24	328 42	1847	4 09 W.	0 24 E.	3·7 W.	.....	.....	.....	.....	.....	.....	Stanley.
At sea (3 observations)	37 22	328 55	1847	.....	.....	.....	34 30 S.	.....	34·5 S.	.....	.....	.....	Rattlesnake.
At sea (3 observations)	36 51	332 00	1847	.....	.....	.....	34 52 S.	.....	34·9 S.	6·86	.....	6·86	Rattlesnake.

SOUTH EQUATORIAL ZONE IV.—Lat. 30° to 40° S. (continued).

Stations.	Lat. S.	Long. E.	Date.	Declination.			Inclination.			Force in British units.			Observers.
				Observed.	Correction to Epoch 1842·5.	Corrected.	Observed.	Cor. to Epoch 1842·5.	Corrected.	Observed.	Cor. to Epoch 1842·5.	Corrected.	
	° ′	° ′		° ′	° ′	°	° ′		°				
At sea	36 50	332 01	1847	6 32 W.	0 24 E.	6·1 W.	.....	.....	.....	.....	.....	.....	Stanley.
At sea	36 32	333 25	1847	7 51 W.	0 24 E.	7·5 W.	.....	.....	.....	.....	.....	.....	Stanley.
At sea (3 observations)	30 00	335 07	1857	10 51 W.	1 15 E.	9·6 W.	.....	.....	.....	.....	.....	.....	Novara.
At sea (3 observations)	36 33	335 40	1847	.....	.....	.....	34 51 S.	.....	34·9 S.	6·83	.....	6·83	Rattlesnake.
At sea (3 observations)	38 34	336 10	1846	7 40 W.	0 20 E.	7·3 W.	.....	.....	.....	.....	.....	.....	Bérard.
At sea (3 observations)	30 13	336 27	1826	7 34 W.	1 22 W.	8·9 W.	.....	.....	.....	.....	.....	.....	D'Urville.
At sea	36 31	336 28	1847	10 00 W.	0 23 E.	9·6 W.	.....	.....	.....	.....	.....	.....	Stanley.
At sea (3 observations)	31 33	337 04	1842	12 40 W.	.....	12·7 W.	.....	.....	.....	.....	.....	.....	Bérard.
At sea	30 18	337 05	1831	.....	.....	.....	27 11 S.	.....	27·2 S.	6·44	.....	6·44	Dunlop.
At sea	35 18	337 22	1846	11 03 W.	0 12 E.	10·9 W.	.....	.....	.....	.....	.....	.....	Bérard.
At sea	30 47	337 26	1831	.....	.....	.....	28 05 S.	.....	28·1 S.	6·52	.....	6·52	Dunlop.
At sea	32 01	338 08	1831	.....	.....	.....	30 13 S.	.....	30·2 S.	6·59	.....	6·59	Dunlop.
At sea (3 observations)	32 30	338 30	1842	.....	.....	.....	31 45 S.	.....	31·8 S	6·47	.....	6·47	H.M.S. 'Fly.'
At sea (3 observations)	36 08	338 40	1847	.....	.....	.....	35 45 S.	.....	35·7 S.	6·79	.....	6·79	Rattlesnake.
At sea	35 31	340 26	1847	13 07 W.	0 18 E.	12·8 W.	.....	.....	.....	.....	.....	.....	Stanley.
At sea	33 39	341 00	1831	.....	.....	.....	32 46 S.	.....	32·8 S.	6·67	.....	6·67	Dunlop.
At sea (2 observations)	32 50	341 03	1846	13 10 W.	0 12 E.	13·0 W.	.....	.....	.....	.....	.....	.....	Bérard.
At sea (6 observations)	36 16	341 07	1847	.....	.....	.....	35 54 S.	.....	35·9 S.	6·74	.....	6·74	Rattlesnake.
At sea	37 01	341 09	1847	11 13 W.	0 18 E.	10·9 W.	.....	.....	.....	.....	.....	.....	Stanley.
At sea	36 52	341 31	1847	11 58 W.	0 18 E.	11·7 W.	.....	.....	.....	.....	.....	.....	Stanley.
At sea (3 observations)	30 03	341 51	1826	12 20 W.	1 22 W.	13·7 W.	.....	.....	.....	.....	.....	.....	D'Urville.
At sea	38 02	343 00	1847	13 07 W.	0 27 E.	12·7 W.	.....	.....	.....	.....	.....	.....	Stanley.
At sea (6 observations)	38 08	343 31	1847	.....	.....	.....	39 32 S.	.....	39·5 S.	6·90	.....	6·90	Rattlesnake.
At sea	35 31	344 15	1831	.....	.....	.....	35 44 S.	.....	35·7 S.	6·59	.....	6·59	Dunlop.
At sea	30 41	344 37	1846	17 16 W.	0 21 E.	16·9 W.	.....	.....	.....	.....	.....	.....	Bérard.
At sea	36 36	347 24	1831	.....	.....	.....	38 02 S.	.....	38·0 S.	6·59	.....	6·59	Dunlop.
At sea	31 36	347 32	1857	19 40 W.	1 27 E.	18·2 W.	.....	.....	.....	.....	.....	.....	Novara.
At sea	37 57	349 19	1847	14 30 W.	0 27 E.	14·1 W.	.....	.....	.....	.....	.....	.....	Stanley.
At sea (2 observations)	34 32	350 20	1842	16 00 W.	.....	16·0 W.	.....	.....	.....	.....	.....	.....	Bérard.
At sea	37 12	350 24	1831	.....	.....	.....	39 16 S.	.....	39·3 S.	6·74	.....	6·74	Dunlop.
At sea (2 observations)	30 15	351 37	1840	.....	.....	.....	.....	.....	.....	6·37	.....	6·37	Ross.
At sea (3 observations)	37 29	352 15	1847	.....	.....	.....	41 49 S.	.....	41·8 S.	6·89	.....	6·89	Rattlesnake.
At sea	37 27	352 40	1847	18 40 W.	0 27 E.	18·2 W.	.....	.....	.....	.....	.....	.....	Stanley.
At sea	30 58	353 26	1840	21 48 W.	0 15 W.	22·1 W.	.....	.....	.....	.....	.....	.....	Ross.
At sea	37 37	353 36	1831	.....	.....	.....	40 50 S.	.....	40·8 S.	6·82	.....	6·82	Dunlop.
At sea	31 00	353 40	1840	.....	.....	.....	.....	.....	.....	6·39	.....	6·39	Terror.
At sea (4 observations)	31 08	353 56	1840	.....	.....	.....	.....	.....	.....	6·35	.....	6·35	Ross.
At sea	36 05	355 10	1847	20 02 W.	0 27 E.	19·6 W.	.....	.....	.....	.....	.....	.....	Stanley.
At sea (6 observations)	35 27	355 21	1847	.....	.....	.....	42 19 S.	.....	42·3 S.	6·83	.....	6·83	Rattlesnake.
At sea	31 32	355 37	1840	21 54 W.	0 15 W.	22·1 W.	.....	.....	.....	.....	.....	.....	Ross.
At sea	34 45	355 39	1847	21 43 W.	0 27 E.	21·3 W.	.....	.....	.....	.....	.....	.....	Stanley.
At sea	37 40	355 51	1831	.....	.....	.....	41 51 S.	.....	41·9 S.	6·89	.....	6·89	Dunlop.
At sea	34 00	356 02	1857	23 40 W.	1 13 E.	22·5 W.	.....	.....	.....	.....	.....	.....	Novara.
At sea	31 40	356 30	1840	.....	.....	.....	.....	.....	.....	6·39	.....	6·39	Terror.
At sea	31 46	356 38	1840	.....	.....	.....	.....	.....	.....	6·53	.....	6·53	Ross.
At sea	35 23	356 39	1847	23 08 W.	0 23 E.	22·7 W.	.....	.....	.....	.....	.....	.....	Stanley.
At sea (3 observations)	35 24	356 45	1847	.....	.....	.....	43 33 S.	.....	43·5 S.	6·93	.....	6·93	Rattlesnake.
At sea	35 30	357 00	1847	22 41 W.	0 18 E.	22·4 W.	.....	.....	.....	.....	.....	.....	Stanley.
At sea	35 42	357 08	1842	21 00 W.	.....	21·0 W.	.....	.....	.....	.....	.....	.....	Bérard.
At sea	31 13	358 26	1840	.....	.....	.....	.....	.....	.....	6·42	.....	6·42	Terror.
At sea	36 58	358 28	1847	22 16 W.	0 23 E.	21·9 W.	.....	.....	.....	.....	.....	.....	Stanley.
At sea (3 observations)	36 51	358 28	1847	.....	.....	.....	44 21 S.	.....	44·3 S.	7·02	.....	7·02	Rattlesnake.
At sea	31 13	358 38	1840	.....	.....	.....	.....	.....	.....	6·53	.....	6·53	Ross.
At sea	31 01	359 26	1840	23 29 W.	0 10 W.	23·7 W.	.....	.....	.....	.....	.....	.....	Ross.
At sea (2 observations)	31 08	359 26	1840	.....	.....	.....	.....	.....	.....	6·64	.....	6·64	Ross.
At sea (3 observations)	38 15	359 26	1847	.....	.....	.....	45 46 S.	.....	45·8 S.	7·16	.....	7·16	Rattlesnake.
At sea	31 07	359 28	1840	.....	.....	.....	.....	.....	.....	6·57	.....	6·57	Terror.
At sea	31 13	359 31	1840	23 02 W.	0 10 W.	23·2 W.	.....	.....	.....	.....	.....	.....	Ross.
At sea	30 30	359 36	1840	23 08 W.	0 10 W.	23·3 W.	.....	.....	.....	.....	.....	.....	Ross.

SOUTH EQUATORIAL ZONE IV.—Lat. 30° to 40° S. (continued).

Stations.	Lat. S.	Long. E.	Date.	Declination.			Inclination.			Force in British units.			Observers.
				Observed.	Correction to Epoch 1842·5.	Corrected.	Observed.	Cor. to Epoch 1842·5.	Corrected.	Observed.	Cor. to Epoch 1842·5.	Corrected.	
	° ′	° ′		° ′	° ′	°	° ′		°				
At sea	38 23	359 37	1847	22 28 w.	0 18 E.	22·2 w.	.....	.....	.....	.....	.....	.....	Stanley.
At sea	31 28	359 38	1840	23 41 w.	0 10 w.	23·9 w.	.....	.....	.....	.....	.....	.....	Ross.
At sea (3 observations)	33 25	359 40	1842	.....	.....	.....	43 53 s.	.....	43·9 s.	6·63	.....	6·63	H.M.S. 'Fly.'
At sea	31 19	359 40	1840	23 08 w.	0 10 w.	23·3 w.	.....	.....	.....	.....	.....	.....	Ross.
At sea	30 37	359 48	1840	23 23 w.	0 10 w.	23·5 w.	.....	.....	.....	.....	.....	.....	Ross.
At sea	31 15	359 48	1840	.....	.....	.....	.....	.....	.....	6·56	.....	6·56	Terror.
At sea (4 observations)	30 20	359 50	1840	.....	.....	.....	.....	.....	.....	6·57	.....	6·57	Ross.
At sea	30 10	359 53	1840	.....	.....	.....	.....	.....	.....	6·39	.....	6·39	Terror.
At sea (2 observations)	31 19	359 53	1840	.....	.....	.....	.....	.....	.....	6·56	.....	6·56	Ross.
At sea	30 12	359 54	1840	.....	.....	.....	.....	.....	.....	6·56	.....	6·56	Terror.

In the following Tables I have placed in comparison with each other the values of the magnetic Elements at every fifth degree of latitude between the Equator and 40° S., and at every tenth degree of longitude between 0° and 360°, as shown (1) in the Table published by MM. GAUSS and WEBER, in the 'Atlas des Erdmagnetismus' (Leipsic, 1840), and (2) in the Tables and Maps of the present paper. For the values of the Magnetic Force, which in the Atlas of MM. GAUSS and WEBER are expressed in the Arbitrary Scale, of which the fundamental value is 1·372, or (as written by M. GAUSS) 1372=the Force in London in 1836, I have substituted the Absolute Values corresponding to 10·28 as the Absolute Force in London at the same Epoch, in the scale which was originally adopted in conformity with the Report of the Committee of Physics of the Royal Society, 1840, page 21. In all the three Elements there are some blanks in the columns derived from the data in the present paper, owing to observations being either wanting or insufficient in those localities.

Declination.

Latitudes.	Gauss.	Sabine.	Gauss.	Sabine.	Gauss.	Sabine.	Gauss.	Sabine.	Gauss.	Sabine.	Gauss.	Sabine.	Latitudes.
	Long. 0° E.		Long. 10° E.		Long. 20° E.		Long. 30° E.		Long. 40° E.		Long. 50° E.		
°	° ′	° ′	° ′	° ′	° ′	° ′	° ′	° ′	° ′	° ′	° ′	° ′	°
00 s.	21 49 w.	.....	23 04 w.	19 32 w.	22 14 w.	16 31 w.	19 14 w.	13 39 w.	14 26 w.	10 54 w.	8 45 w.	7 50 w.	00 s.
05 s.	21 50 w.	.....	23 37 w.	21 15 w.	23 20 w.	18 57 w.	20 47 w.	15 47 w.	16 13 w.	12 32 w.	10 31 w.	8 50 w.	05 s.
10 s.	21 51 w.	.....	24 11 w.	22 37 w.	24 30 w.	20 56 w.	22 28 w.	18 14 w.	18 15 w.	14 21 w.	12 39 w.	10 12 w.	10 s.
15 s.	21 49 w.	.....	24 41 w.	24 04 w.	25 37 w.	22 28 w.	24 13 w.	20 34 w.	20 30 w.	17 03 w.	15 11 w.	12 43 w.	15 s.
20 s.	21 39 w.	.....	25 03 w.	25 36 w.	26 38 w.	24 11 w.	25 56 w.	22 22 w.	22 53 w.	19 43 w.	18 04 w.	15 12 w.	20 s.
25 s.	21 16 w.	.....	25 09 w.	26 47 w.	27 22 w.	25 48 w.	27 27 w.	24 18 w.	25 13 w.	22 00 w.	21 07 w.	18 14 w.	25 s.
30 s.	20 38 w.	.....	24 56 w.	27 16 w.	27 45 w.	27 25 w.	28 37 w.	26 29 w.	27 19 w.	24 14 w.	24 10 w.	21 08 w.	30 s.
35 s.	19 42 w.	.....	24 21 w.	.....	27 42 w.	29 12 w.	29 20 w.	29 08 w.	29 02 w.	27 01 w.	26 59 w.	24 04 w.	35 s.
40 s.	18 34 w.	.....	23 28 w.	26 00 w.	27 17 w.	30 00 w.	29 39 w.	31 07 w.	30 20 w.	30 00 w.	29 27 w.	26 50 w.	40 s.
	Long. 60° E.		Long. 70° E.		Long. 80° E.		Long. 90° E.		Long. 100° E.		Long. 110° E.		
00 s.	3 29 w.	4 42 w.	0 17 e.	1 44 w.	2 11 e.	.....	2 30 e.	.....	1 54 e.	.....	1 12 e.	.....	00 s.
05 s.	5 06 w.	5 23 w.	1 08 w.	2 33 w.	0 58 e.	0 21 w.	1 30 e.	.....	1 12 e.	.....	0 50 e.	.....	05 s.
10 s.	7 09 w.	6 30 w.	3 00 w.	3 37 w.	0 41 w.	1 34 w.	0 08 e.	0 41 w.	0 11 e.	0 31 w.	0 15 e.	0 10 w.	10 s.
15 s.	9 43 w.	8 05 w.	5 26 w.	4 42 w.	2 52 w.	3 05 w.	1 41 w.	2 19 w.	1 12 w.	2 00 w.	0 39 w.	1 17 w.	15 s.
20 s.	12 48 w.	10 08 w.	8 27 w.	7 00 w.	5 37 w.	4 43 w.	4 00 w.	4 05 w.	2 59 w.	3 44 w.	1 52 w.	2 31 w.	20 s.
25 s.	16 18 w.	13 51 w.	12 02 w.	9 49 w.	8 56 w.	7 50 w.	6 51 w.	6 40 w.	5 14 w.	5 52 w.	3 28 w.	4 05 w.	25 s.
30 s.	20 03 w.	17 45 w.	16 03 w.	14 32 w.	12 47 w.	12 06 w.	10 14 w.	10 10 w.	7 58 w.	8 53 w.	5 31 w.	6 08 w.	30 s.
35 s.	23 48 w.	21 20 w.	20 18 w.	19 38 w.	17 02 w.	17 29 w.	14 07 w.	15 35 w.	11 15 w.	12 52 w.	8 04 w.	9 03 w.	35 s.
40 s.	27 21 w.	24 24 w.	24 36 w.	22 56 w.	21 27 w.	21 22 w.	18 30 w.	20 00 w.	15 08 w.	16 20 w.	11 15 w.	11 36 w.	40 s.
	Long. 120° E.		Long. 130° E.		Long. 140° E.		Long. 150° E.		Long. 160° E.		Long. 170° E.		
00 s.	1 04 e.	1 09 e.	1 51 e.	.....	3 37 e.	.....	5 58 e.	.....	8 16 e.	.....	9 49 e.	.....	00 s.
05 s.	1 04 e.	.....	2 13 e.	1 46 e.	4 13 e.	3 44 e.	6 37 e.	.....	8 47 e.	.....	10 04 e.	.....	05 s.
10 s.	0 54 e.	0 11 e.	2 25 e.	1 00 e.	4 39 e.	3 45 e.	7 08 e.	5 51 e.	9 11 e.	7 27 e.	10 15 e.	8 31 e.	10 s.
15 s.	0 30 e.	0 38 w.	2 25 e.	1 08 e.	4 55 e.	4 10 e.	7 29 e.	6 40 e.	9 28 e.	8 31 e.	10 22 e.	9 26 e.	15 s.
20 s.	0 11 w.	1 33 w.	2 11 e.	0 35 e.	4 59 e.	4 38 e.	7 40 e.	7 37 e.	9 38 e.	9 20 e.	10 28 e.	10 22 e.	20 s.
25 s.	1 11 w.	2 31 w.	1 41 e.	0 11 e.	4 51 e.	7 46 e.	7 43 e.	.....	9 44 e.	10 13 e.	10 34 e.	.....	25 s.
30 s.	2 33 w.	3 28 w.	0 54 e.	0 07 w.	4 29 e.	8 36 e.	7 38 e.	8 36 e.	9 48 e.	.....	10 44 e.	.....	30 s.
35 s.	4 22 w.	4 30 w.	0 14 w.	0 13 w.	3 54 e.	5 47 e.	7 26 e.	9 30 e.	9 59 e.	.....	11 00 e.	.....	35 s.
40 s.	6 44 w.	5 55 w.	1 48 w.	0 18 w.	3 03 e.	5 49 e.	7 07 e.	10 31 e.	9 59 e.	13 17 e.	11 28 e.	14 52 e.	40 s.
	Long. 180° E.		Long. 190° E.		Long. 200° E.		Long. 210° E.		Long. 220° E.		Long. 230° E.		
00 s.	10 15 e.	.....	9 36 e.	8 00 e.	8 22 e.	.....	7 10 e.	.....	6 32 e.	.....	6 39 e.	.....	00 s.
05 s.	10 10 e.	8 29 e.	9 12 e.	8 00 e.	7 44 e.	6 47 e.	6 26 e.	5 33 e.	5 49 e.	4 14 e.	6 05 e.	3 57 e.	05 s.
10 s.	10 05 e.	8 58 e.	8 54 e.	8 08 e.	7 22 e.	6 55 e.	5 57 e.	5 52 e.	5 23 e.	5 05 e.	5 46 e.	4 53 e.	10 s.
15 s.	10 02 e.	9 29 e.	8 45 e.	8 26 e.	7 06 e.	7 20 e.	5 46 e.	6 29 e.	5 15 e.	5 58 e.	5 45 e.	5 52 e.	15 s.
20 s.	10 04 e.	10 00 e.	8 47 e.	9 00 e.	7 11 e.	7 56 e.	5 54 e.	7 16 e.	5 28 e.	6 53 e.	6 05 e.	6 51 e.	20 s.
25 s.	10 13 e.	.....	9 01 e.	.....	7 32 e.	8 43 e.	6 24 e.	8 04 e.	6 05 e.	7 47 e.	6 48 e.	7 50 e.	25 s.
30 s.	10 30 e.	.....	9 29 e.	.....	8 13 e.	9 25 e.	7 16 e.	8 43 e.	7 07 e.	8 33 e.	7 58 e.	8 34 e.	30 s.
35 s.	11 01 e.	.....	10 15 e.	.....	9 16 e.	10 08 e.	8 35 e.	9 20 e.	8 38 e.	9 20 e.	9 36 e.	9 16 e.	35 s.
40 s.	11 48 e.	.....	11 24 e.	.....	10 45 e.	.....	10 23 e.	.....	10 40 e.	.....	11 47 e.	.....	40 s.
	Long. 240° E.		Long. 250° E.		Long. 260° E.		Long. 270° E.		Long. 280° E.		Long. 290° E.		
00 s.	7 21 e.	4 46 e.	8 14 e.	6 21 e.	8 52 e.	7 53 e.	8 53 e.	.....	8 00 e.	.....	6 08 e.	6 19 e.	00 s.
05 s.	7 01 e.	5 05 e.	8 12 e.	6 38 e.	9 07 e.	8 07 e.	9 23 e.	.....	8 43 e.	.....	6 59 e.	7 17 e.	05 s.
10 s.	6 55 e.	5 54 e.	8 21 e.	7 10 e.	9 32 e.	8 44 e.	10 01 e.	10 07 e.	9 31 e.	10 14 e.	7 53 e.	8 15 e.	10 s.
15 s.	7 05 e.	6 46 e.	8 44 e.	7 53 e.	10 08 e.	9 28 e.	10 48 e.	11 05 e.	10 26 e.	11 17 e.	8 53 e.	9 25 e.	15 s.
20 s.	7 33 e.	7 37 e.	9 23 e.	8 40 e.	10 58 e.	10 18 e.	11 46 e.	12 01 e.	11 29 e.	12 22 e.	9 59 e.	10 50 e.	20 s.
25 s.	8 23 e.	8 23 e.	10 21 e.	9 28 e.	12 03 e.	11 27 e.	12 56 e.	12 57 e.	12 41 e.	13 28 e.	11 12 e.	12 20 e.	25 s.
30 s.	9 38 e.	9 05 e.	11 40 e.	10 26 e.	13 24 e.	12 36 e.	14 19 e.	13 55 e.	14 03 e.	14 34 e.	12 32 e.	13 52 e.	30 s.
35 s.	11 20 e.	9 50 e.	13 22 e.	11 50 e.	15 04 e.	13 53 e.	15 54 e.	15 00 e.	15 34 e.	.....	13 58 e.	.....	35 s.
40 s.	13 33 e.	11 21 e.	15 31 e.	13 20 e.	17 04 e.	15 14 e.	17 44 e.	.....	17 14 e.	.....	15 30 e.	.....	40 s.
	Long. 300°.		Long. 310°.		Long. 320°.		Long. 330°.		Long. 340°.		Long. 350°.		
00 s.	3 14 e.	3 44 e.	0 33 w.	0 34 e.	5 02 w.	4 53 w.	9 54 w.	10 43 w.	14 42 w.	15 39 w.	18 52 w.	19 26 w.	00 s.
05 s.	4 11 e.	4 53 e.	0 27 e.	1 26 e.	4 02 w.	3 57 w.	8 58 w.	10 00 w.	13 57 w.	15 42 w.	18 26 w.	.....	05 s.
10 s.	5 10 e.	5 50 e.	1 27 e.	2 11 e.	3 03 w.	3 10 w.	8 05 w.	9 20 w.	13 14 w.	15 23 w.	18 01 w.	.....	10 s.
15 s.	6 12 e.	6 47 e.	2 29 e.	3 02 e.	2 03 w.	2 34 w.	7 10 w.	8 42 w.	12 29 w.	14 51 w.	17 33 w.	.....	15 s.
20 s.	7 18 e.	7 53 e.	3 35 e.	4 00 e.	1 00 w.	1 57 w.	6 12 w.	8 05 w.	11 41 w.	14 07 w.	17 00 w.	20 35 w.	20 s.
25 s.	8 31 e.	9 09 e.	4 45 e.	5 13 e.	0 07 e.	1 07 w.	5 09 w.	7 18 w.	10 45 w.	13 22 w.	16 17 w.	19 47 w.	25 s.
30 s.	9 49 e.	10 38 e.	6 01 e.	6 28 e.	1 21 e.	0 00	3 58 w.	6 20 w.	9 40 w.	12 27 w.	15 22 w.	18 43 w.	30 s.
35 s.	11 10 e.	12 15 e.	7 20 e.	8 05 e.	2 38 e.	1 34 e.	2 43 w.	5 05 w.	8 27 w.	11 12 w.	14 15 w.	17 16 w.	35 s.
40 s.	12 36 e.	13 43 e.	8 42 e.	10 00 e.	3 57 e.	3 25 e.	1 24 w.	3 20 w.	7 09 w.	9 32 w.	12 59 w.	15 44 w.	40 s.

Inclination.

Latitudes.	Gauss.	Sabine.	Gauss.	Sabine.	Gauss.	Sabine.	Gauss.	Sabine.	Gauss.	Sabine.	Gauss.	Sabine.	Latitudes.
	Long. 0° E.		Long. 10° E.		Long. 20° E.		Long. 30° E.		Long. 40° E.		Long. 50° E.		
°	° ′	° ′	° ′	° ′	° ′	° ′	° ′	° ′	° ′	° ′	° ′	° ′	°
00 s.	7 36 N.	.....	2 38 s.	.....	12 58 s.	.....	21 44 s.	.....	27 42 s.	.....	30 24 s.	.....	00 s.
05 s.	1 18 s.	8 31 s.	11 27 s.	.....	21 30 s.	.....	29 58 s.	.....	35 45 s.	.....	38 29 s.	.....	05 s.
10 s.	9 57 s.	16 11 s.	19 36 s.	.....	29 04 s.	.....	36 59 s.	.....	42 28 s.	.....	45 11 s.	41 44 s.	10 s.
15 s.	18 03 s.	23 40 s.	26 53 s.	.....	35 30 s.	.....	42 45 s.	.....	47 53 s.	.....	50 33 s.	47 50 s.	15 s.
20 s.	25 21 s.	30 18 s.	33 10 s.	37 29 s.	40 49 s.	.....	47 19 s.	.....	52 03 s.	51 47 s.	54 41 s.	52 23 s.	20 s.
25 s.	31 40 s.	34 56 s.	38 24 s.	41 46 s.	45 02 s.	48 04 s.	50 48 s.	52 22 s.	55 07 s.	54 42 s.	57 42 s.	56 13 s.	25 s.
30 s.	37 03 s.	39 31 s.	42 42 s.	45 31 s.	48 21 s.	51 10 s.	53 22 s.	54 50 s.	57 17 s.	57 34 s.	59 50 s.	60 06 s.	30 s.
35 s.	41 33 s.	.....	46 11 s.	49 37 s.	50 55 s.	53 49 s.	55 14 s.	57 32 s.	58 44 s.	60 41 s.	61 12 s.	.....	35 s.
40 s.	45 19 s.	.....	49 03 s.	52 19 s.	52 57 s.	56 19 s.	56 37 s.	60 18 s.	59 46 s.	.....	62 11 s.	.....	40 s.
	Long. 60° E.		Long. 70° E.		Long. 80° E.		Long. 90° E.		Long. 100° E.		Long. 110° E.		
00 s.	30 04 s.	.....	27 29 s.	.....	23 47 s.	.....	20 09 s.	.....	17 27 s.	.....	16 03 s.	.....	00 s.
05 s.	38 22 s.	32 22 s.	36 08 s.	30 35 s.	32 50 s.	.....	29 33 s.	.....	27 04 s.	24 14 s.	25 41 s.	22 18 s.	05 s.
10 s.	45 18 s.	40 34 s.	43 27 s.	38 59 s.	40 37 s.	37 28 s.	37 46 s.	35 28 s.	35 34 s.	33 19 s.	34 16 s.	32 02 s.	10 s.
15 s.	50 54 s.	46 47 s.	49 28 s.	45 25 s.	47 09 s.	44 18 s.	44 46 s.	42 54 s.	42 54 s.	41 22 s.	41 44 s.	40 00 s.	15 s.
20 s.	55 17 s.	52 11 s.	54 18 s.	51 11 s.	52 31 s.	50 22 s.	50 38 s.	49 19 s.	49 09 s.	47 59 s.	48 11 s.	46 44 s.	20 s.
25 s.	58 33 s.	57 00 s.	58 05 s.	56 07 s.	56 52 s.	55 19 s.	55 31 s.	54 35 s.	54 27 s.	53 50 s.	53 43 s.	53 13 s.	25 s.
30 s.	60 56 s.	61 47 s.	60 58 s.	61 07 s.	60 21 s.	60 14 s.	59 35 s.	59 41 s.	58 58 s.	59 17 s.	58 32 s.	59 07 s.	30 s.
35 s.	62 37 s.	.....	63 09 s.	.....	63 10 s.	.....	63 00 s.	.....	62 51 s.	.....	62 45 s.	.....	35 s.
40 s.	63 51 s.	.....	64 52 s.	.....	65 30 s.	.....	65 52 s.	.....	66 13 s.	.....	66 29 s.	.....	40 s.
	Long. 120° E.		Long. 130° E.		Long. 140° E.		Long. 150° E.		Long. 160° E.		Long. 170° E.		
00 s.	15 41 s.	13 34 s.	15 45 s.	13 15 s.	15 27 s.	13 25 s.	14 07 s.	.....	11 25 s.	.....	7 35 s.	.....	00 s.
05 s.	25 10 s.	21 54 s.	24 56 s.	22 16 s.	24 18 s.	22 15 s.	22 37 s.	21 18 s.	19 44 s.	18 16 s.	15 53 s.	13 07 s.	05 s.
10 s.	33 39 s.	31 32 s.	33 10 s.	31 44 s.	32 18 s.	31 43 s.	30 22 s.	31 00 s.	27 26 s.	27 25 s.	23 44 s.	22 19 s.	10 s.
15 s.	41 04 s.	39 25 s.	40 27 s.	39 22 s.	39 19 s.	39 19 s.	37 21 s.	38 57 s.	34 30 s.	35 44 s.	31 03 s.	31 44 s.	15 s.
20 s.	47 33 s.	46 39 s.	46 49 s.	46 40 s.	45 37 s.	46 47 s.	43 39 s.	46 06 s.	40 57 s.	43 45 s.	37 49 s.	40 00 s.	20 s.
25 s.	53 09 s.	51 59 s.	52 26 s.	53 08 s.	51 14 s.	53 01 s.	49 22 s.	52 31 s.	46 52 s.	51 11 s.	44 05 s.	48 03 s.	25 s.
30 s.	58 07 s.	59 06 s.	57 29 s.	58 57 s.	56 21 s.	58 37 s.	54 36 s.	58 05 s.	52 21 s.	56 44 s.	49 54 s.	54 13 s.	30 s.
35 s.	62 33 s.	.....	62 03 s.	.....	61 03 s.	.....	59 28 s.	.....	57 28 s.	.....	55 19 s.	60 20 s.	35 s.
40 s.	66 34 s.	.....	66 15 s.	.....	65 25 s.	.....	64 03 s.	.....	62 18 s.	.....	60 24 s.	.....	40 s.
	Long. 180° E.		Long. 190° E.		Long. 200° E.		Long. 210° E.		Long. 220° E.		Long. 230° E.		
00 s.	3 21 s.	.....	0 22 N.	.....	2 55 N.	.....	4 14 N.	.....	4 45 N.	.....	5 12 N.	.....	00 s.
05 s.	11 48 s.	6 40 s.	8 20 s.	.....	6 08 s.	.....	5 15 s.	6 17 s.	5 08 s.	5 45 s.	5 04 s.	5 13 s.	05 s.
10 s.	19 56 s.	16 45 s.	16 51 s.	19 40 s.	15 02 s.	18 37 s.	14 29 s.	16 17 s.	14 44 s.	15 27 s.	15 02 s.	14 41 s.	10 s.
15 s.	27 38 s.	26 43 s.	24 58 s.	27 20 s.	23 30 s.	26 27 s.	23 15 s.	25 17 s.	23 42 s.	24 30 s.	24 09 s.	.....	15 s.
20 s.	34 50 s.	35 35 s.	32 33 s.	34 46 s.	31 22 s.	35 42 s.	31 16 s.	32 56 s.	31 50 s.	32 00 s.	32 24 s.	.....	20 s.
25 s.	41 29 s.	43 46 s.	39 32 s.	42 18 s.	38 34 s.	41 04 s.	38 33 s.	40 00 s.	39 06 s.	38 50 s.	39 38 s.	.....	25 s.
30 s.	47 38 s.	51 05 s.	45 58 s.	49 17 s.	45 08 s.	47 36 s.	45 06 s.	46 04 s.	45 32 s.	44 57 s.	45 58 s.	.....	30 s.
35 s.	53 21 s.	57 25 s.	51 53 s.	55 11 s.	51 07 s.	53 42 s.	51 00 s.	.....	51 15 s.	51 20 s.	51 30 s.	.....	35 s.
40 s.	58 40 s.	.....	57 22 s.	.....	56 36 s.	.....	56 21 s.	.....	56 23 s.	.....	56 23 s.	.....	40 s.
	Long. 240° E.		Long. 250° E.		Long. 260° E.		Long. 270° E.		Long. 280° E.		Long. 290° E.		
00 s.	6 15 N.	.....	8 15 N.	.....	11 15 N.	.....	14 59 N.	.....	19 00 N.	.....	22 46 N.	.....	00 s.
05 s.	4 19 s.	4 40 s.	2 29 s.	3 47 s.	0 31 N.	1 42 s.	4 26 N.	1 03 N.	8 45 N.	9 10 N.	12 56 N.	10 54 N.	05 s.
10 s.	14 31 s.	14 19 s.	12 54 s.	13 28 s.	10 01 s.	11 00 s.	6 08 s.	7 55 s.	1 41 s.	3 53 s.	2 43 N.	2 05 N.	10 s.
15 s.	23 55 s.	.....	22 33 s.	.....	19 54 s.	21 47 s.	16 11 s.	17 29 s.	11 50 s.	12 50 s.	7 25 s.	6 49 s.	15 s.
20 s.	32 19 s.	.....	31 09 s.	.....	28 47 s.	.....	25 21 s.	26 55 s.	21 15 s.	21 43 s.	17 01 s.	15 42 s.	20 s.
25 s.	39 36 s.	.....	38 36 s.	.....	36 28 s.	.....	33 22 s.	.....	29 37 s.	30 00 s.	25 42 s.	23 43 s.	25 s.
30 s.	45 54 s.	.....	44 58 s.	.....	43 03 s.	.....	40 15 s.	.....	36 52 s.	38 40 s.	33 18 s.	31 01 s.	30 s.
35 s.	51 19 s.	.....	50 23 s.	.....	48 37 s.	.....	46 04 s.	.....	43 01 s.	.....	39 48 s.	40 17 s.	35 s.
40 s.	56 01 s.	.....	55 02 s.	.....	53 20 s.	.....	50 59 s.	.....	48 13 s.	.....	45 20 s.	.....	40 s.
	Long. 300° E.		Long. 310° E.		Long. 320° E.		Long. 330° E.		Long. 340° E.		Long. 350° E.		
00 s.	25 49 N.	.....	27 41 N.	.....	28 00 N.	.....	26 25 N.	.....	22 35 N.	.....	16 16 N.	9 47 N.	00 s.
05 s.	16 22 N.	15 19 N.	18 36 N.	18 19 N.	19 10 N.	19 16 N.	17 42 N.	13 09 N.	13 51 N.	11 04 N.	7 27 N.	2 02 N.	05 s.
10 s.	6 27 N.	7 25 N.	8 57 N.	10 41 N.	9 46 N.	11 34 N.	8 29 N.	8 36 N.	4 46 N.	2 26 N.	1 30 s.	5 41 s.	10 s.
15 s.	3 35 s.	1 07 s.	0 53 s.	1 37 N.	0 08 N.	2 43 N.	0 56 s.	0 37 s.	4 23 s.	6 26 s.	10 13 s.	13 41 s.	15 s.
20 s.	13 12 s.	10 18 s.	10 31 s.	7 10 s.	9 21 s.	6 36 s.	10 09 s.	9 41 s.	13 10 s.	14 22 s.	18 23 s.	21 22 s.	20 s.
25 s.	22 08 s.	19 20 s.	19 29 s.	16 29 s.	18 14 s.	15 47 s.	18 45 s.	17 42 s.	21 16 s.	21 36 s.	25 42 s.	27 52 s.	25 s.
30 s.	30 01 s.	26 21 s.	27 31 s.	24 01 s.	26 14 s.	23 15 s.	26 29 s.	24 16 s.	28 28 s.	28 00 s.	32 06 s.	33 05 s.	30 s.
35 s.	36 50 s.	34 38 s.	34 31 s.	31 19 s.	33 14 s.	29 48 s.	33 14 s.	30 53 s.	34 42 s.	33 46 s.	37 34 s.	38 11 s.	35 s.
40 s.	42 40 s.	.....	40 32 s.	.....	39 15 s.	.....	39 03 s.	.....	40 02 s.	.....	42 12 s.	.....	40 s.

Force in British Units.

Latitudes.	Gauss.	Sabine.	Gauss.	Sabine.	Gauss.	Sabine.	Gauss.	Sabine.	Gauss.	Sabine.	Gauss.	Sabine.	Latitudes.
	Long. 0° E.		Long. 10° E.		Long. 20° E.		Long. 30° E.		Long. 40° E.		Long. 50° E.		
°													°
00 s,	6·55	.....	6·47	.....	6·56	.....	6·79	.....	7·07	.....	7·32	.....	00 s.
05 s.	6·32	.....	6·34	.....	6·54	.....	6·85	.....	7·19	.....	7·48	.....	05 s.
10 s.	6·18	.....	6·28	.....	6·57	.....	6·94	.....	7·33	.....	7·66	8·0	10 s.
15 s.	6·12	.....	6·31	.....	6·63	.....	7·05	.....	7·47	.....	7·84	8·2	15 s.
20 s.	6·15	.....	6·37	.....	6·73	.....	7·16	.....	7·61	8·0	8·02	8·4	20 s.
25 s.	6·25	.....	6·49	.....	6·86	7·2	7·29	7·7	7·76	8·2	8·21	8·7	25 s.
30 s.	6·43	.....	6·67	.....	7·03	7·3	7·47	7·8	7·95	8·4	8·44	8·9	30 s.
35 s.	6·70	.....	6·92	7·0	7·27	7·6	7·70	8·1	8·19	8·7	8·72	9·3	35 s.
40 s.	7·06	.....	7·27	7·5	7·60	7·9	8·02	8·5	8·52	9·0	9·08	9·6	40 s.
	Long. 60° E.		Long. 70° E.		Long. 80° E.		Long. 90° E.		Long. 100° E.		Long. 110° E.		
00 s.	7·51	.....	7·62	.....	7·72	.....	7·80	.....	7·89	.....	7·96	.....	00 s.
05 s.	7·69	8·1	7·83	.....	7·93	.....	8·04	.....	8·16	.....	8·26	.....	05 s.
10 s.	7·91	8·3	8·08	8·6	8·24	.....	8·39	.....	8·56	9·2	8·71	9·3	10 s.
15 s.	8·13	8·5	8·38	8·8	8·60	9·0	8·82	9·3	9·06	9·5	9·27	9·7	15 s.
20 s.	8·37	8·8	8·69	9·0	9·00	9·5	9·31	9·8	9·63	10·0	9·91	10·3	20 s.
25 s.	8·63	9·0	9·03	9·5	9·44	9·9	9·85	10·4	10·25	10·7	10·61	11·0	25 s.
30 s.	8·92	9·4	9·41	9·9	9·91	10·5	10·41	11·0	10·91	11·4	11·34	11·7	30 s.
35 s.	9·26	9·8	9·83	10·4	10·42	11·0	11·01	11·6	11·58	12·0	12·09	12·4	35 s.
40 s.	9·68	10·2	10·31	10·8	10·97	11·5	11·63	12·1	12·26	12·5	12·83	13·0	40 s.
	Long. 120° E.		Long. 130° E.		Long. 140° E.		Long. 150° E.		Long. 160° E.		Long. 170° E.		
00 s.	7·97	.....	7·90	.....	7·76	.....	7·55	.....	7·33	.....	7·15	.....	00 s.
05 s.	8·31	8·9	8·28	.....	8·15	9·1	7·94	9·0	7·69	.....	7·46	.....	05 s.
10 s.	8·81	9·4	8·81	9·5	8·68	9·6	8·49	9·5	8·21	.....	7·94	.....	10 s.
15 s.	9·42	9·9	9·46	10·0	9·37	10·1	9·16	10·1	8·88	9·9	8·57	.....	15 s.
20 s.	10·13	10·5	10·21	10·7	10·15	10·7	9·96	10·7	9·66	10·5	9·34	10·2	20 s.
25 s.	10·88	11·3	11·02	11·4	11·00	11·4	10·83	11·4	10·55	11·1	10·22	10·8	25 s.
30 s.	11·68	12·0	11·87	12·1	11·90	12·2	11·76	12·1	11·51	11·8	11·18	11·4	30 s.
35 s.	12·49	12·7	12·73	12·9	12·81	12·8	12·72	12·7	12·49	12·4	12·19	12·0	35 s.
40 s.	13·28	.....	13·57	.....	13·70	.....	13·66	.....	13·48	12·9	13·20	.....	40 s.
	Long. 180° E.		Long. 190° E.		Long. 200° E.		Long. 210° E.		Long. 220° E.		Long. 230° E.		
00 s.	7·04	.....	7·05	.....	7·15	.....	7·32	.....	7·53	.....	7·74	.....	00 s.
05 s.	7·30	.....	7·23	.....	7·27	.....	7·38	.....	7·54	.....	7·70	.....	05 s.
10 s.	7·72	9·0	7·59	.....	7·57	.....	7·63	8·2	7·74	8·0	7·86	.....	10 s.
15 s.	8·30	9·5	8·13	9·2	8·05	.....	8·05	8·7	8·12	8·5	8·19	.....	15 s.
20 s.	9·04	9·9	8·81	9·6	8·69	9·3	8·64	9·1	8·65	8·9	8·66	.....	20 s.
25 s.	9·90	10·5	9·63	10·1	9·46	9·9	9·36	9·7	9·31	9·5	9·26	.....	25 s.
30 s.	10·85	11·0	10·56	10·7	10·33	10·3	10·18	10·2	10·06	10·0	9·94	.....	30 s.
35 s.	11·86	11·6	11·54	11·3	11·28	10·9	11·07	10·8	10·88	10·6	10·69	.....	35 s.
40 s.	12·88	.....	12·56	.....	12·26	.....	11·99	.....	11·73	.....	11·47	.....	40 s.
	Long. 240° E.		Long. 250° E.		Long. 260° E.		Long. 270° E.		Long. 280° E.		Long. 290° E.		
00 s.	7·92	.....	8·06	.....	8·15	.....	8·19	.....	8·19	.....	8·13	.....	00 s.
05 s.	7·83	.....	7·91	.....	7·93	.....	7·89	.....	7·81	.....	7·70	.....	05 s.
10 s.	7·94	.....	7·95	.....	7·89	.....	7·77	.....	7·61	.....	7·42	.....	10 s.
15 s.	8·21	.....	8·16	.....	8·03	.....	7·82	.....	7·58	.....	7·31	6·9	15 s.
20 s.	8·63	.....	8·52	.....	8·31	.....	8·03	.....	7·70	.....	7·37	6·8	20 s.
25 s.	9·16	.....	8·98	.....	8·71	.....	8·36	.....	7·97	7·7	7·56	7·0	25 s.
30 s.	9·78	.....	9·53	.....	9·20	.....	8·79	.....	8·33	8·1	7·87	7·5	30 s.
35 s.	10·45	.....	10·14	.....	9·75	.....	9·29	.....	8·79	.....	8·29	8·1	35 s.
40 s.	11·16	.....	10·79	.....	10·35	.....	9·85	.....	9·32	.....	8·78	.....	40 s.
	Long. 300° E.		Long. 310° E.		Long. 320° E.		Long. 330° E.		Long. 340° E.		Long. 350° E.		
00 s.	8·03	.....	7·87	.....	7·65	.....	7·38	.....	7·07	.....	6·77	.....	00 s.
05 s.	7·56	.....	7·38	.....	7·17	6·9	6·92	6·9	6·67	6·7	6·44	.....	05 s.
10 s.	6·48	6·9	7·02	6·8	6·80	6·6	6·58	6·5	6·37	6·4	6·21	.....	10 s.
15 s.	7·06	6·7	6·81	6·6	6·57	6·4	6·36	6·2	6·18	.....	6·09	.....	15 s.
20 s.	7·04	6·6	6·75	6·5	6·49	6·3	6·27	.....	6·12	.....	6·07	.....	20 s.
25 s.	7·18	6·8	6·83	6·6	6·54	6·4	6·32	.....	6·18	.....	6·15	6·2	25 s.
30 s.	7·44	7·0	7·05	6·8	6·73	6·6	6·49	6·4	6·35	.....	6·33	.....	30 s.
35 s.	7·81	7·5	7·39	.....	7·04	6·8	6·78	6·7	6·63	.....	6·60	.....	35 s.
40 s.	8·28	.....	7·83	.....	7·46	.....	7·19	.....	7·02	.....	6·98	.....	40 s.

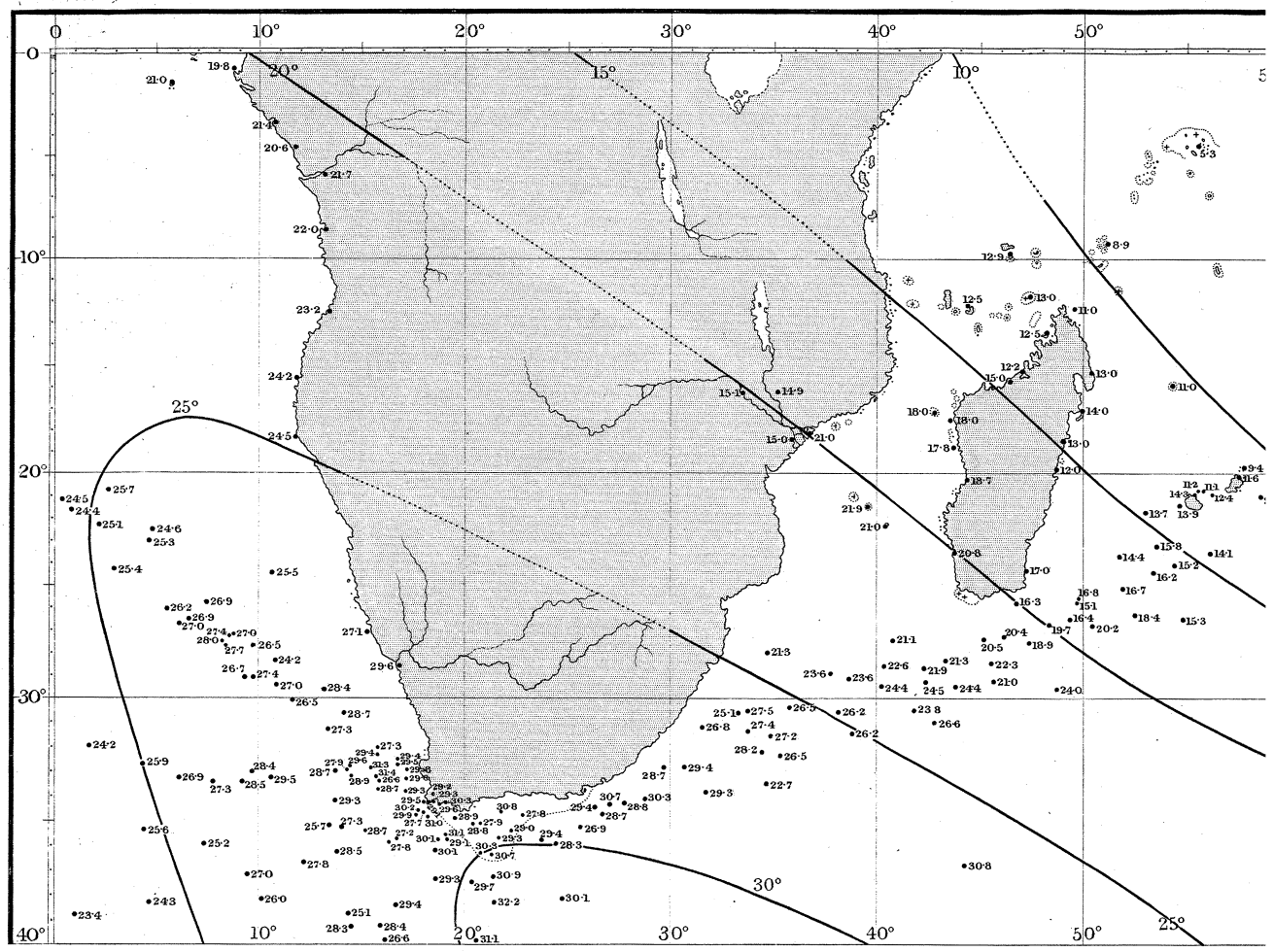
In the preceding Numbers of these Contributions the great assistance received for many years past from the Hydrographic Office of the Admiralty has been thankfully acknowledged. In tracing now the last lines of the present number, which completes the series, these acknowledgments must be expressed anew, and with redoubled earnestness; for without the cordial and truly invaluable assistance of Captain EVANS, and of Staff-Commander E. W. CREAK of his Department, its preparation, under the weight of broken health and increasing weakness, would have been impossible.

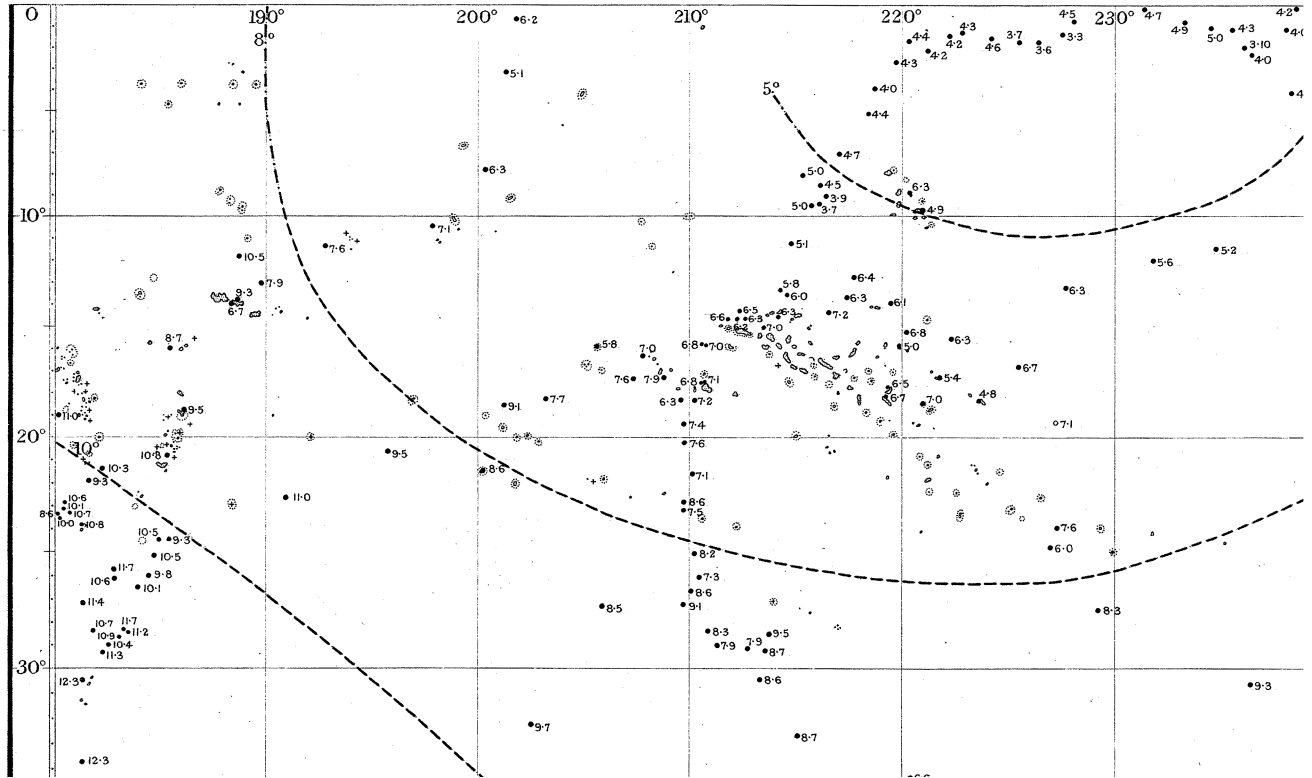
ERRATA IN CONTRIBUTION No. XV.

Page 464, line 19. Aji Bārang, *for* Lat. 2° 25′ S. *read* 7° 25′ S.

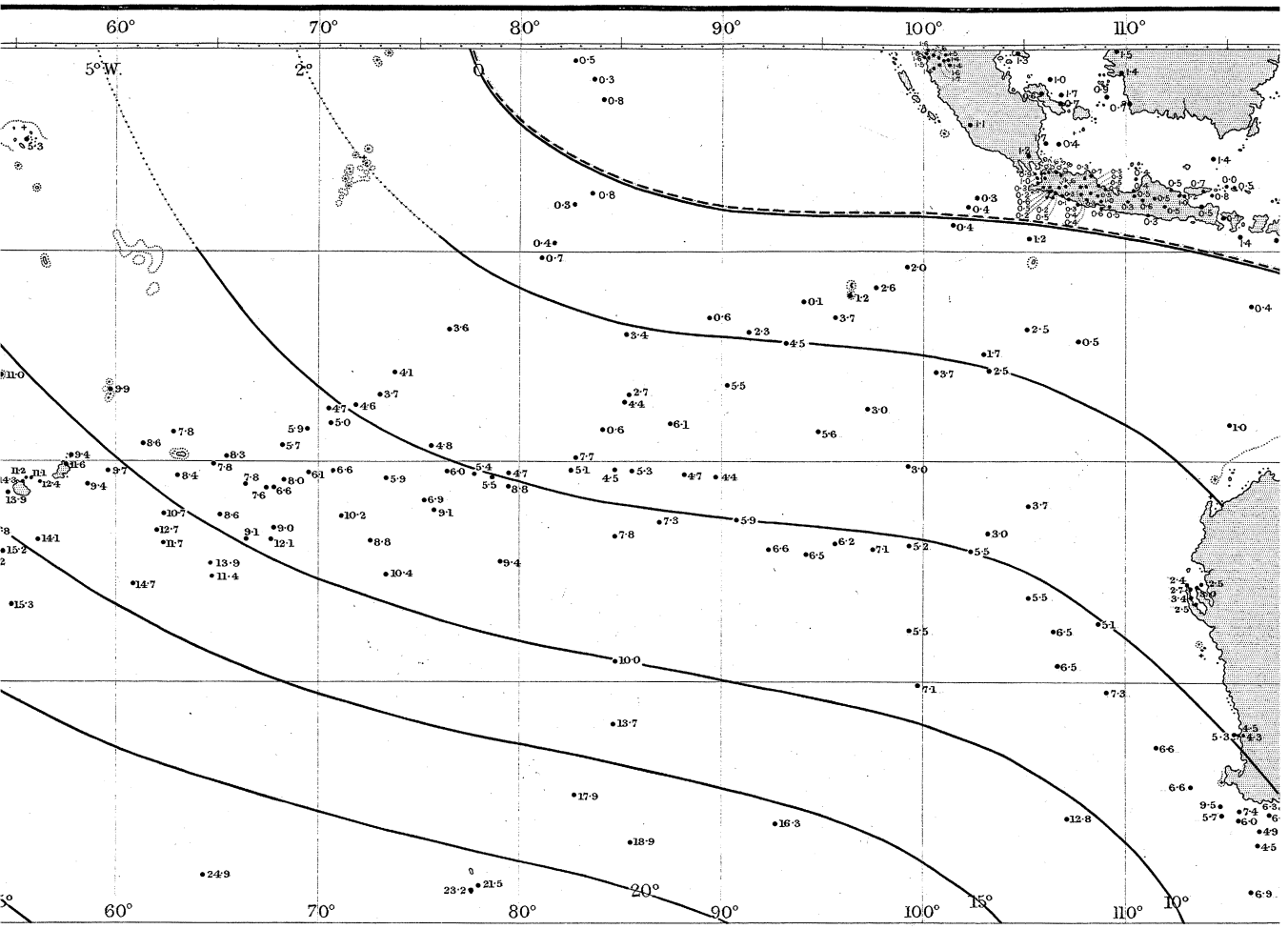
Page 475, line 2. Declination. At sea—Lat. 17° 15′ S., Long. 292° 45′ E. *should be expunged.*

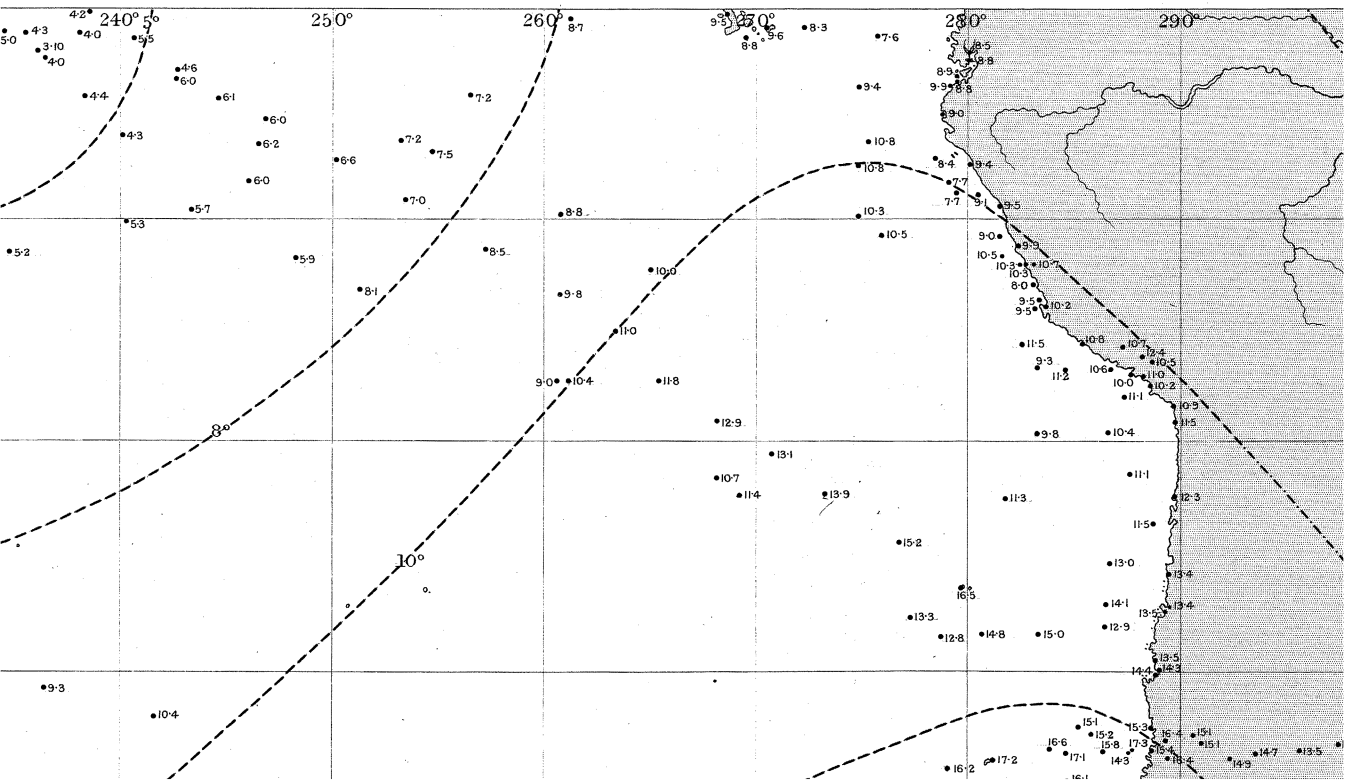
(Sabine)

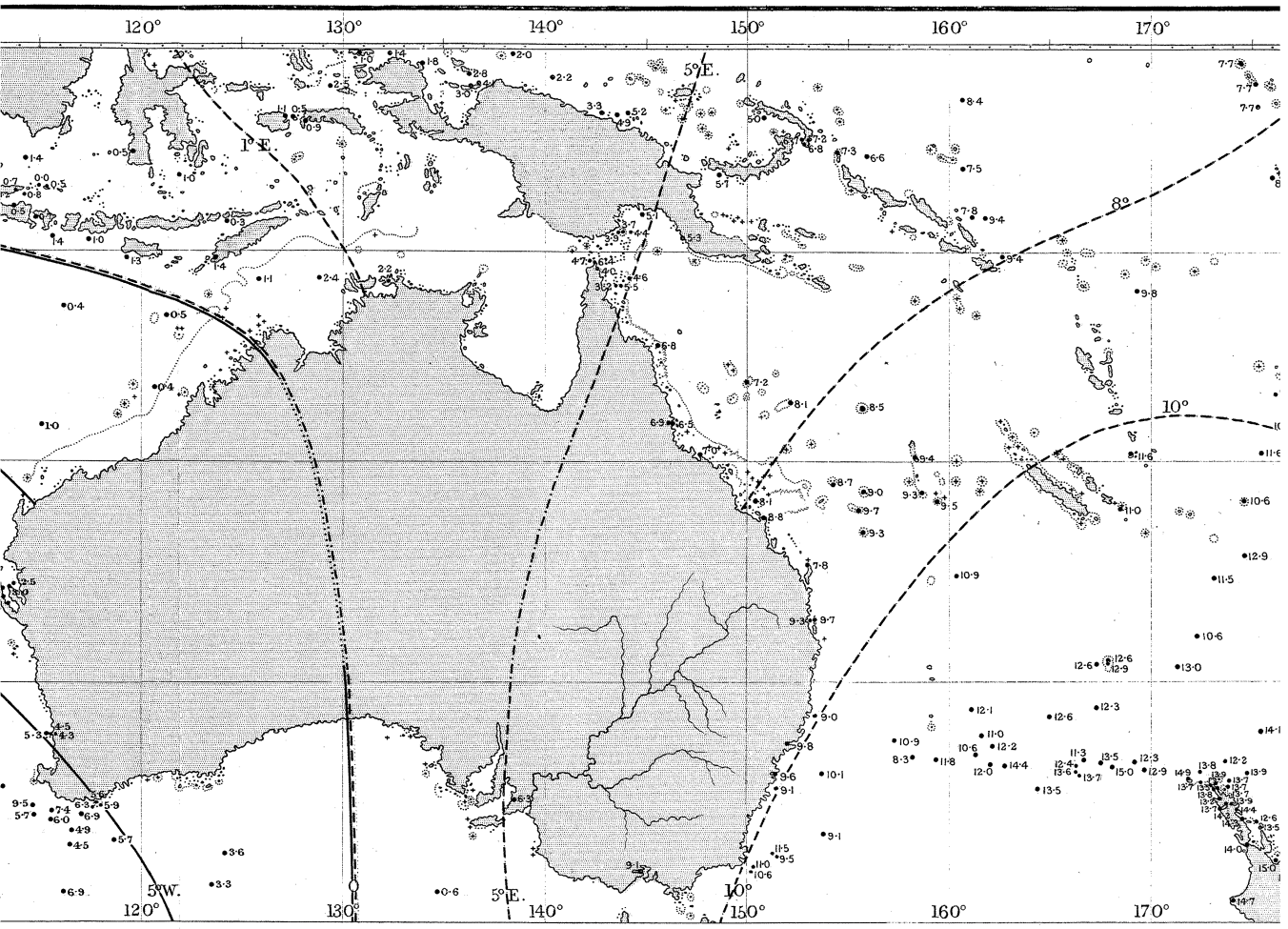




URVEY _ *between the Equator and the parallel of 40° S. _ Epoch*



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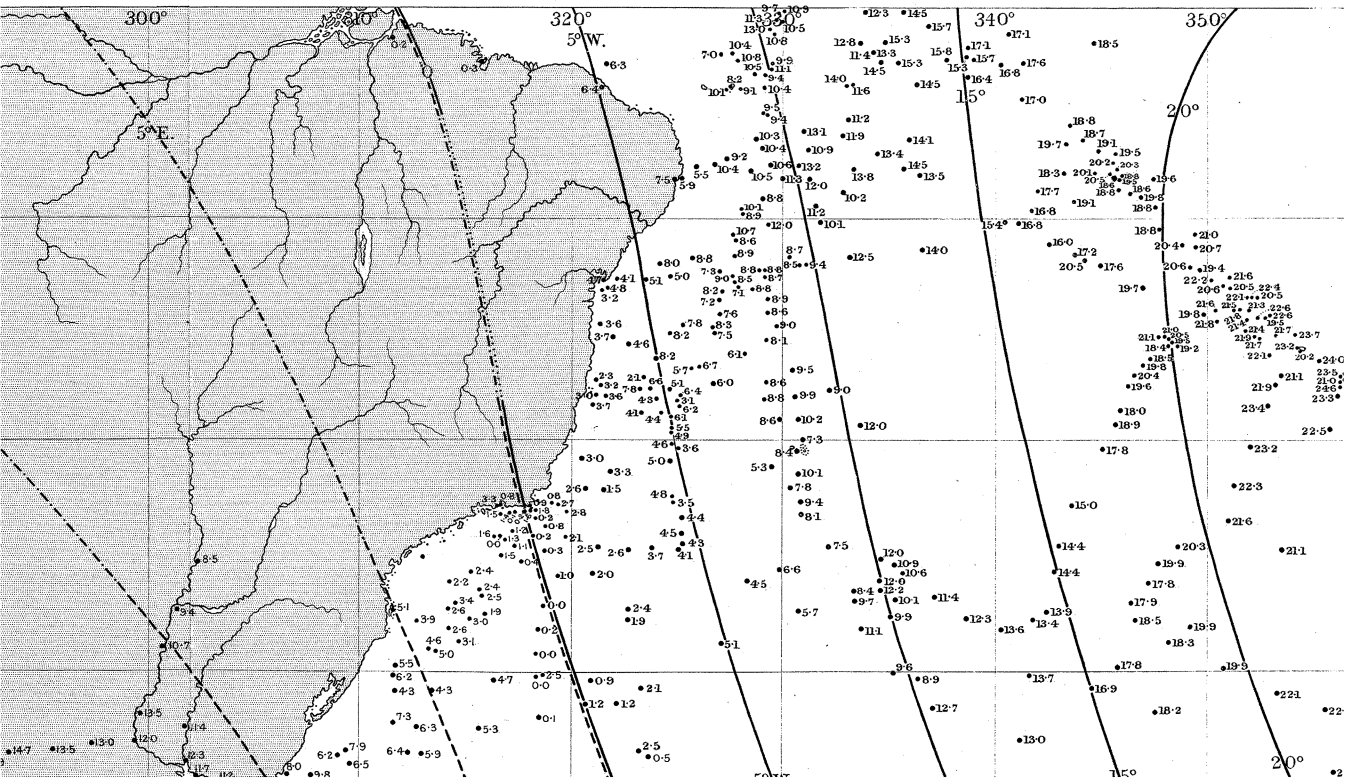
1°E.
5°W.
8°
10°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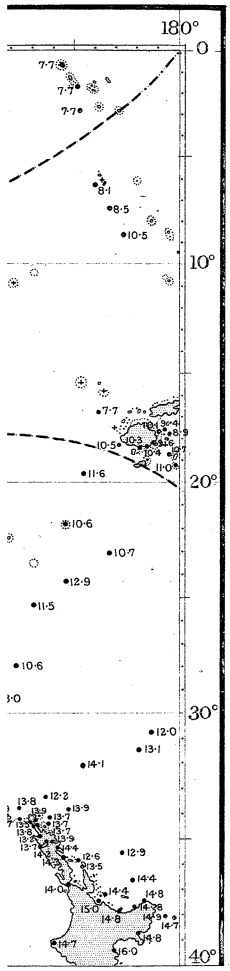
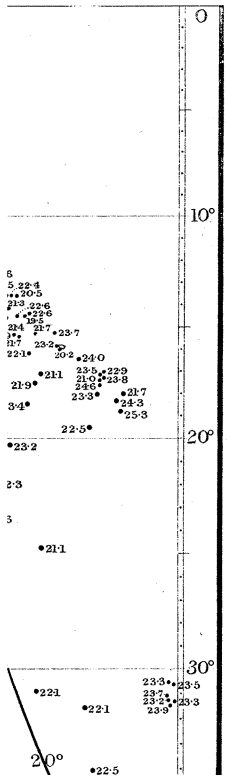
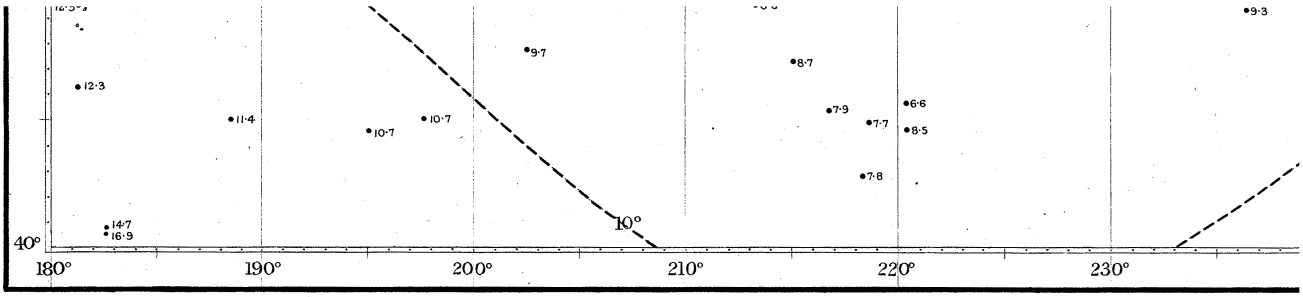
5°W.
5°E.
15°
20°

1877. *Plate* 17.



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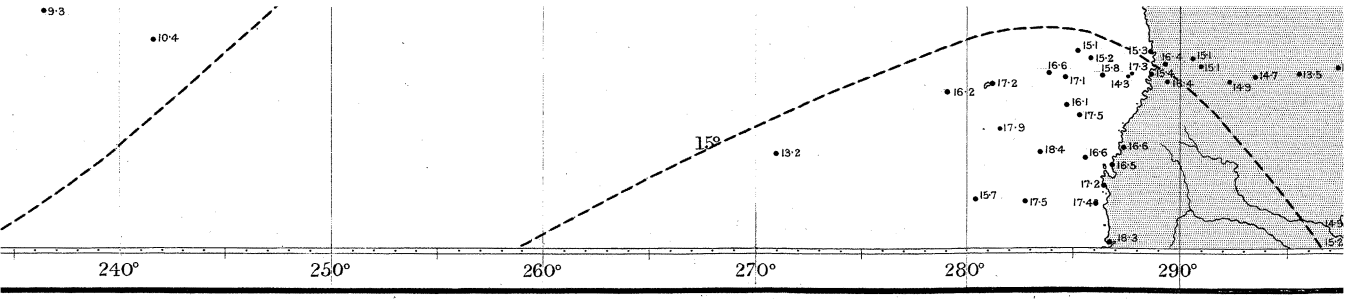
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10·4
15°
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17·2
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17·4
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15·3
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17·1
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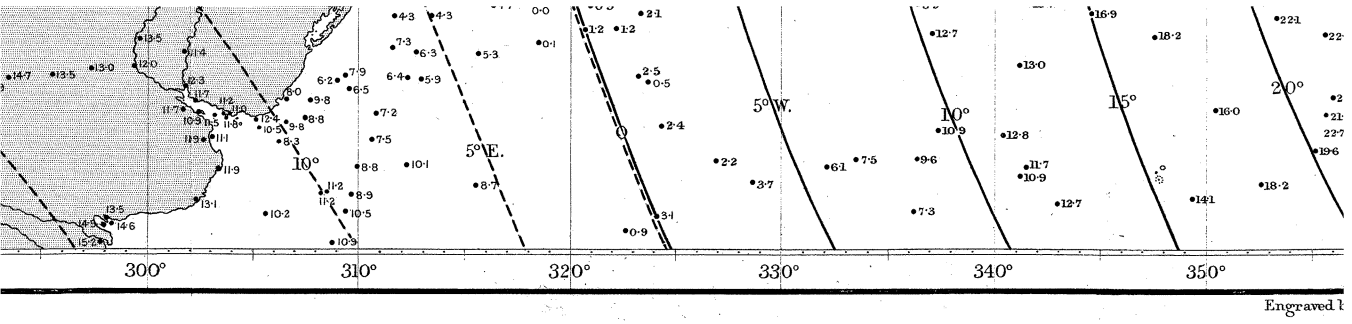
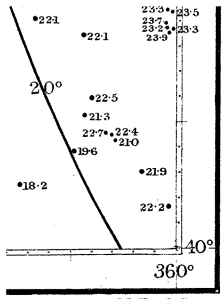


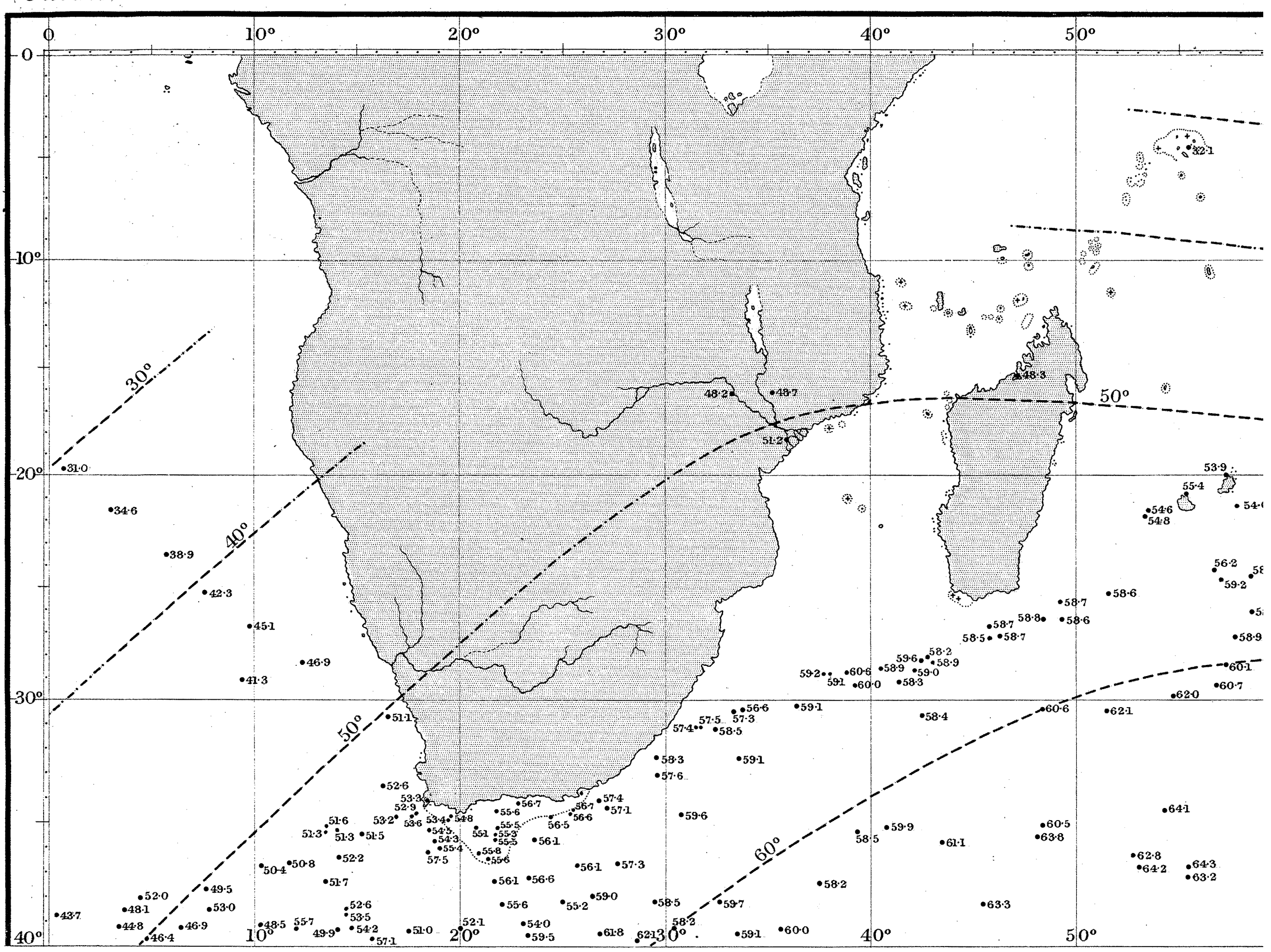
Engraved b

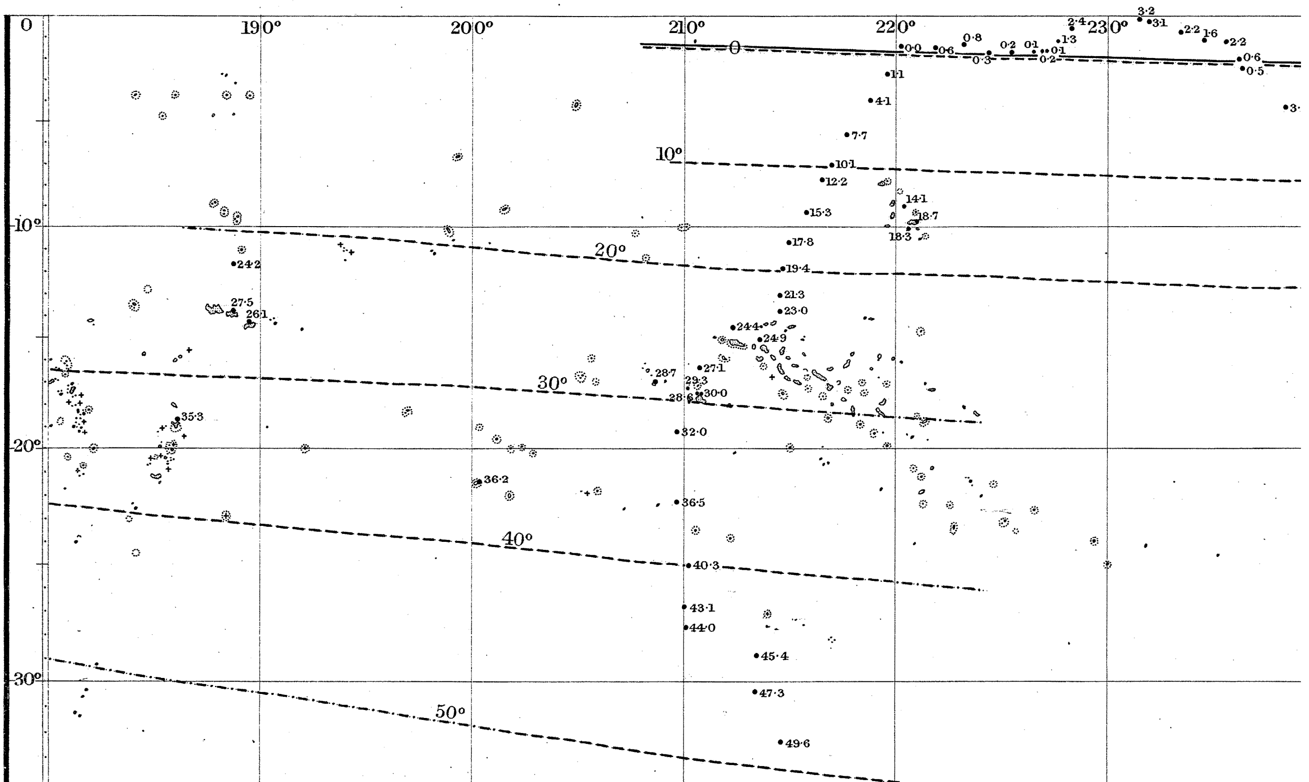


Engraved by Malby & Sons

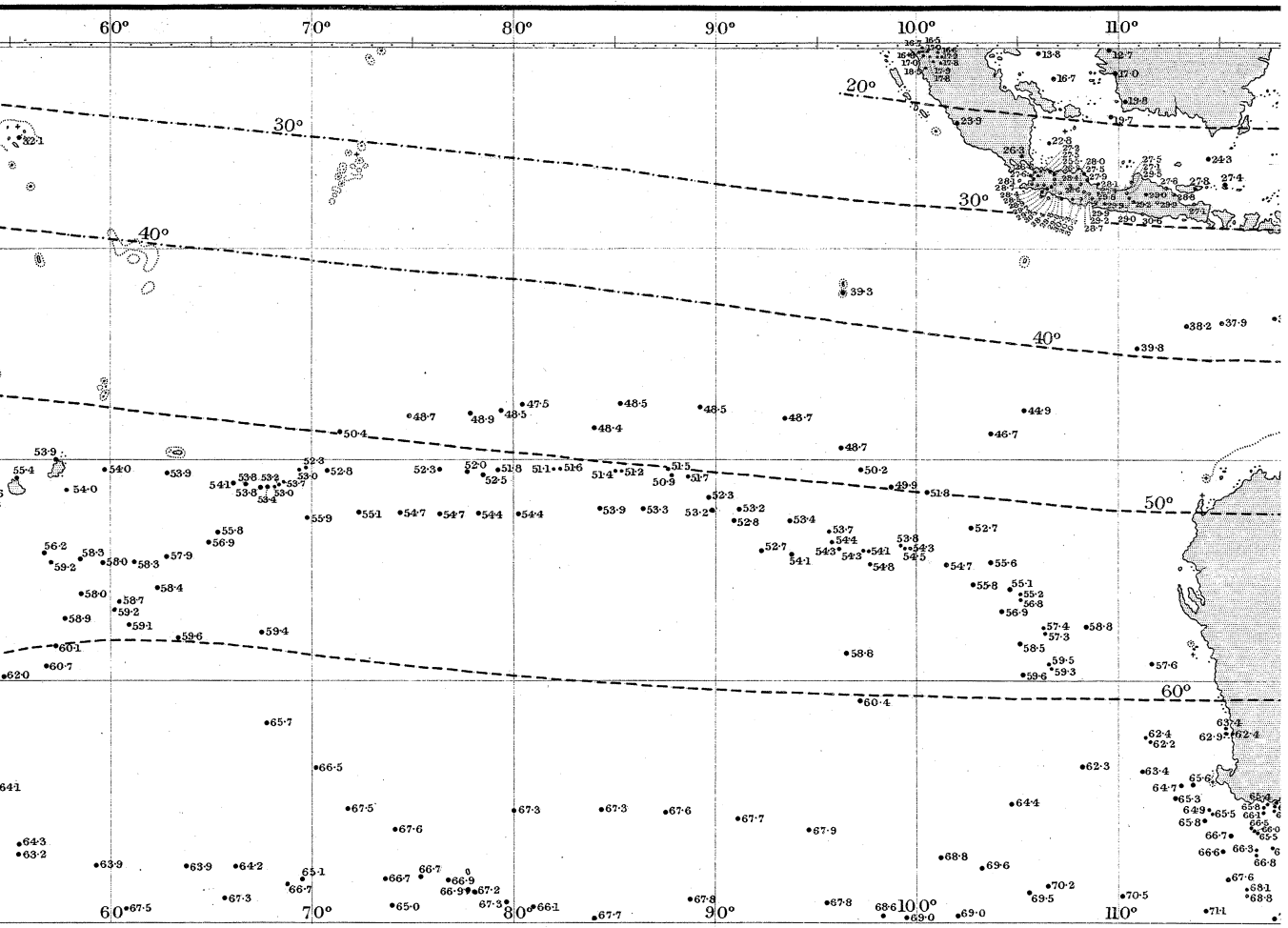
MAGNETIC SURV

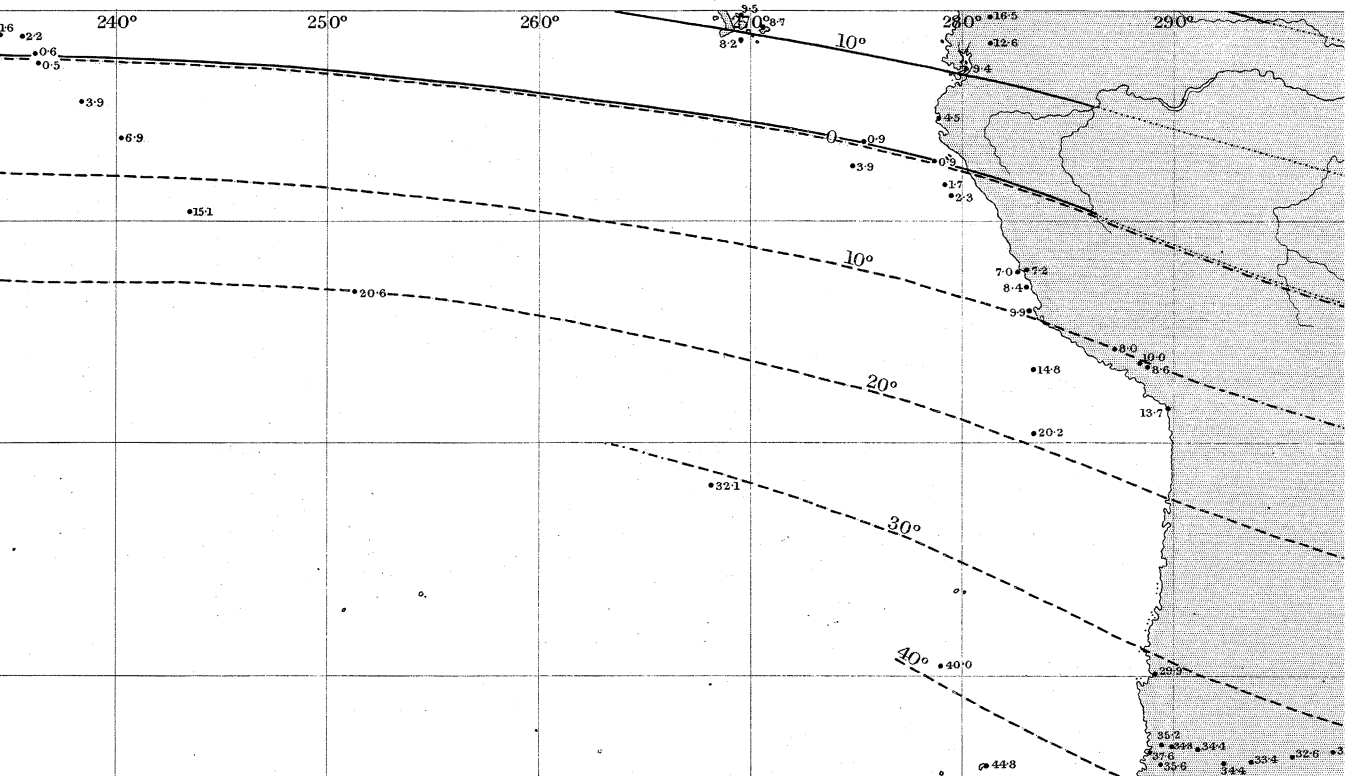
(Sabine)

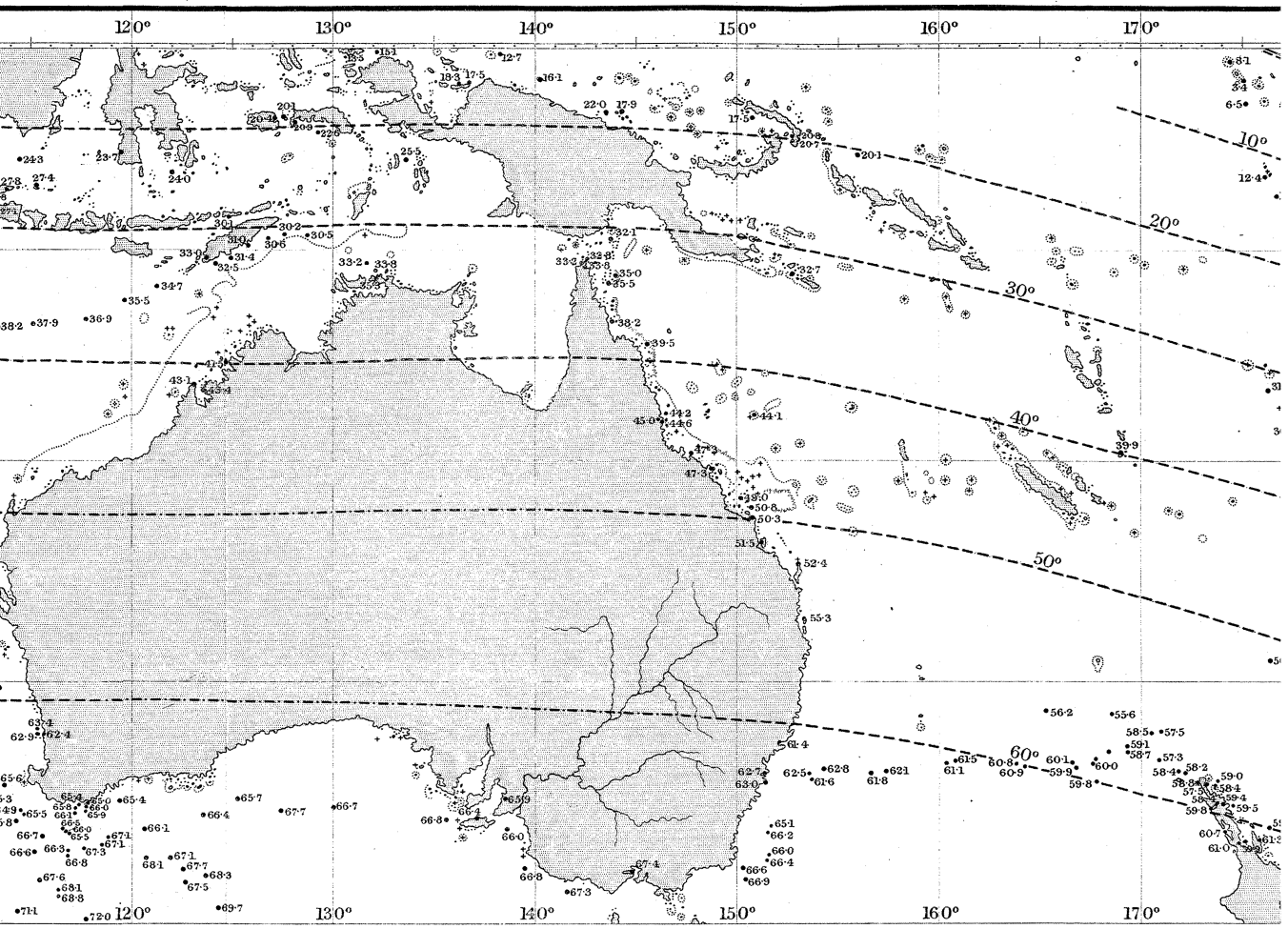




URVEY_ *between the Equator and the parallel of 40° S._ *Epoch*



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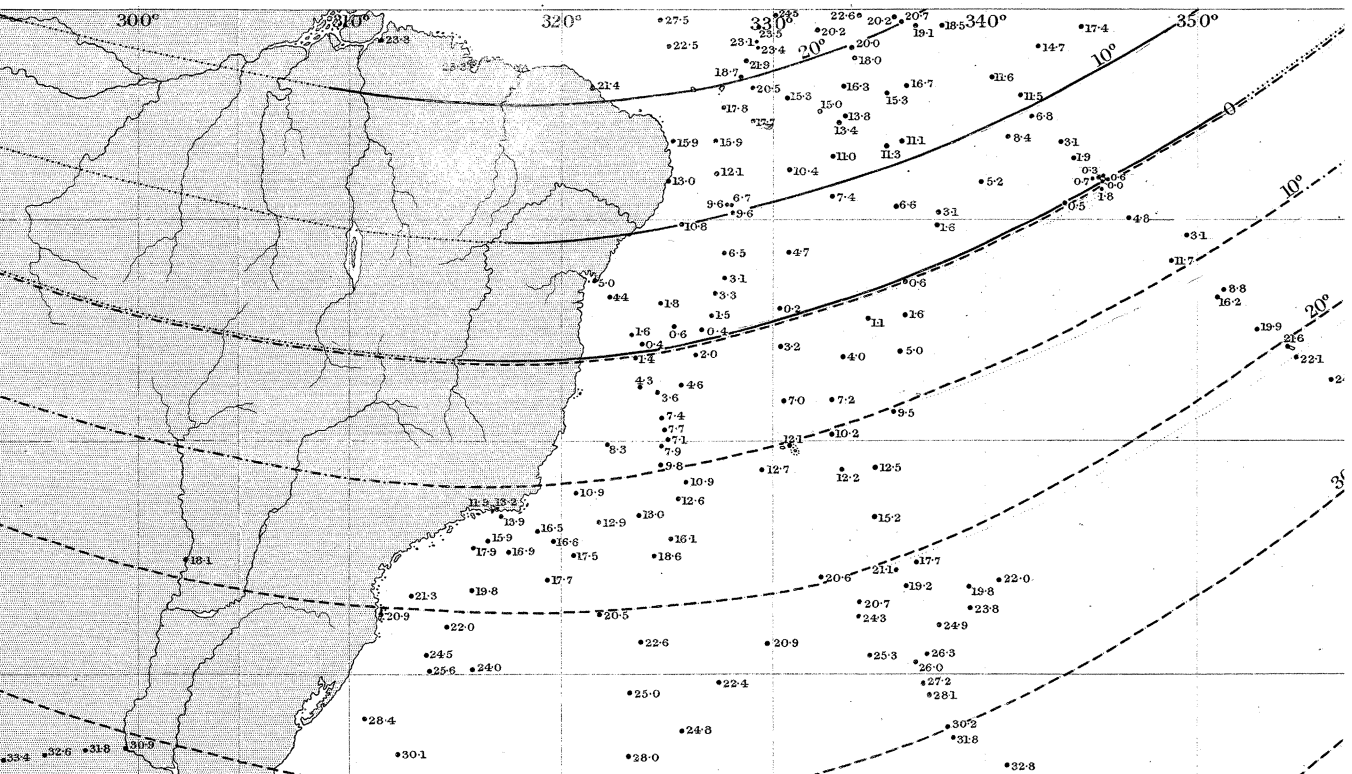
60°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10°
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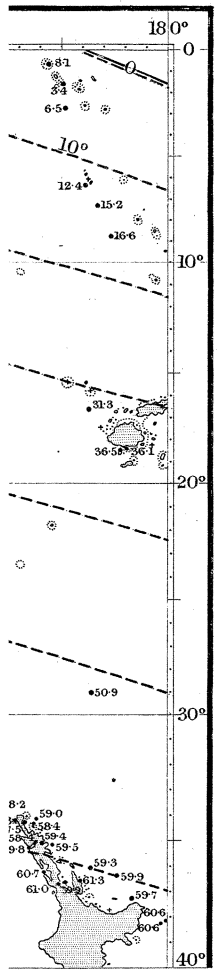
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20°
30°
40°
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16·6
31·3
36·5
36·1
50·9
8·2
59·0
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59·7
60·6
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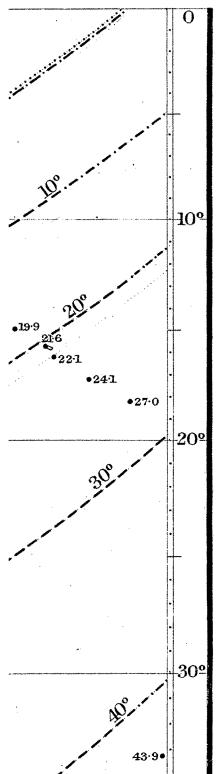
60·7
61·3
61·0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27·0
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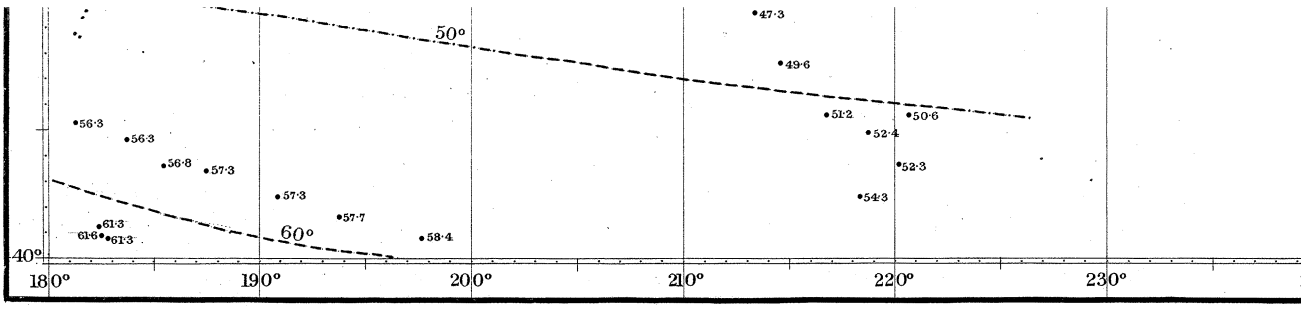
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54·3
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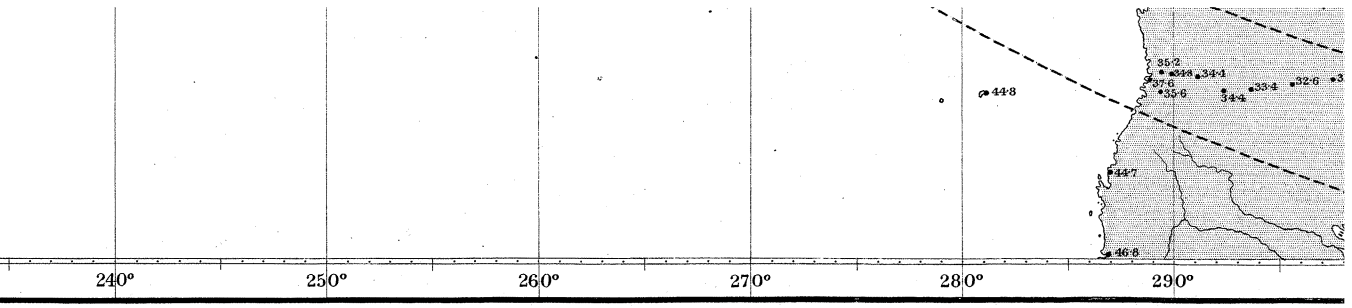
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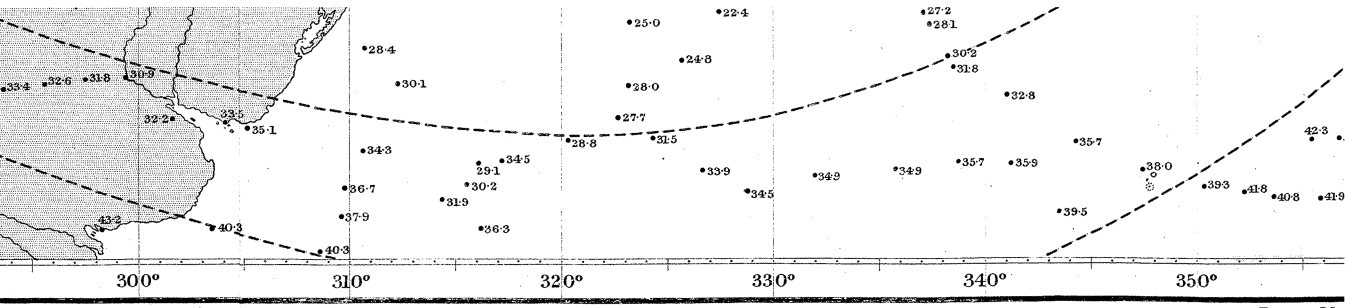
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39·5
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310°
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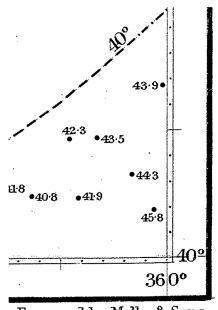
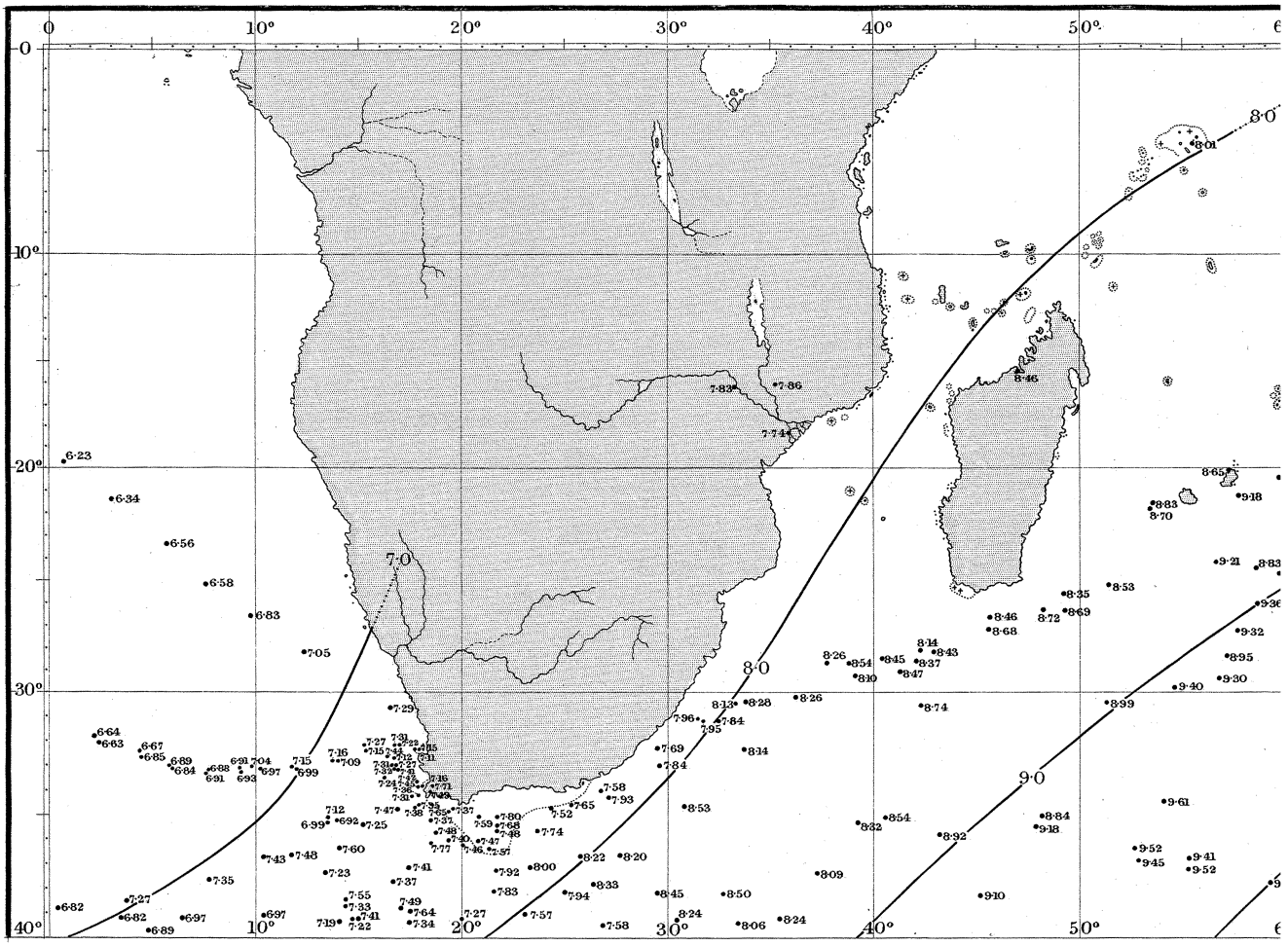
Engraved by

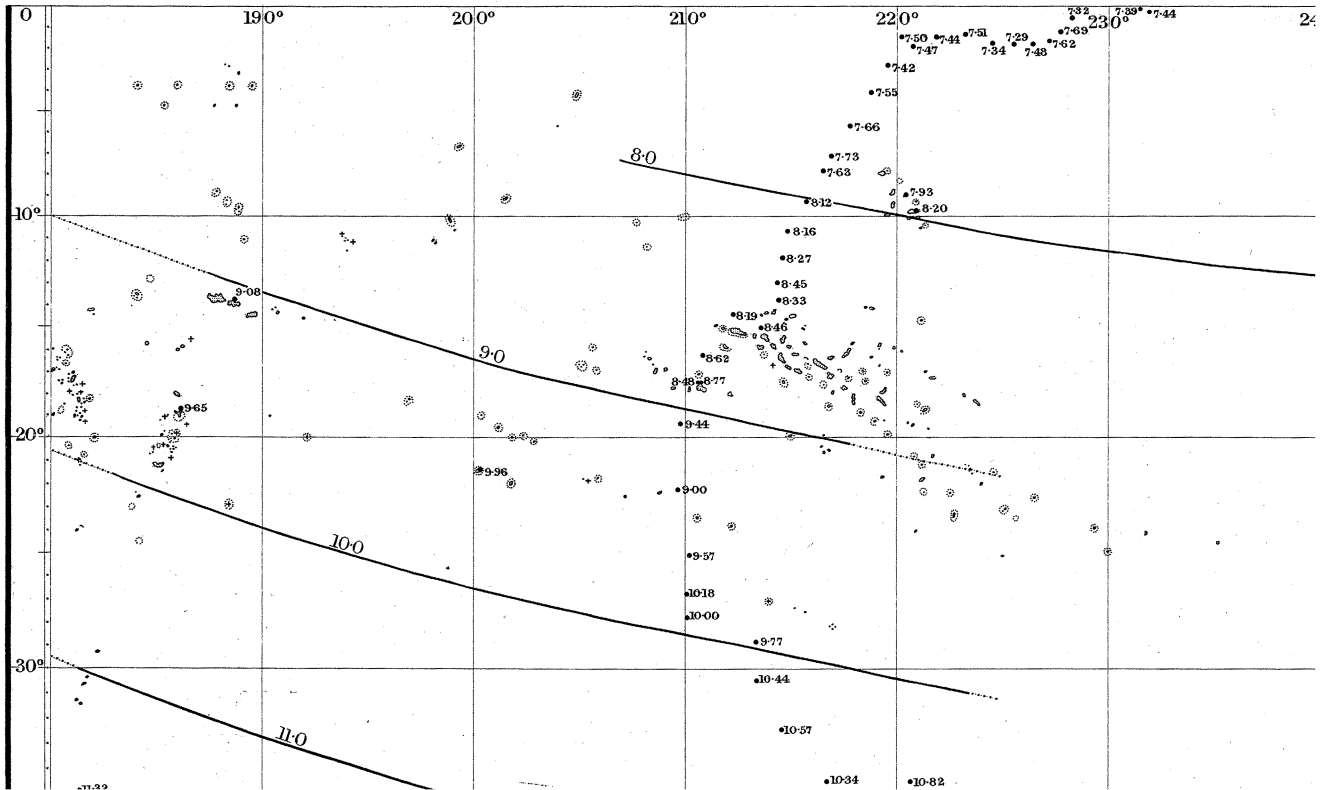


Engraved by Malby & Sons.

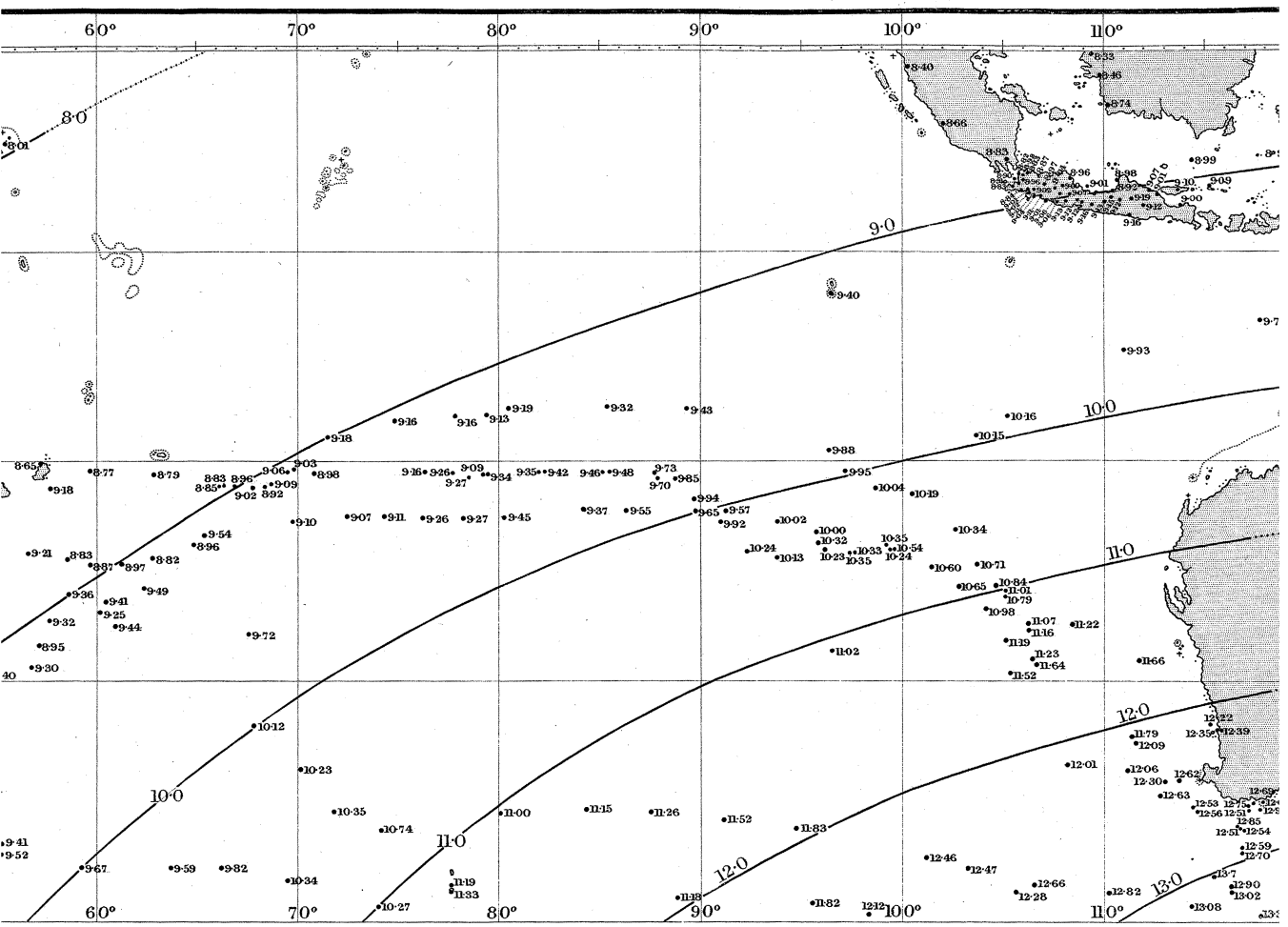
MAGNETIC SURV

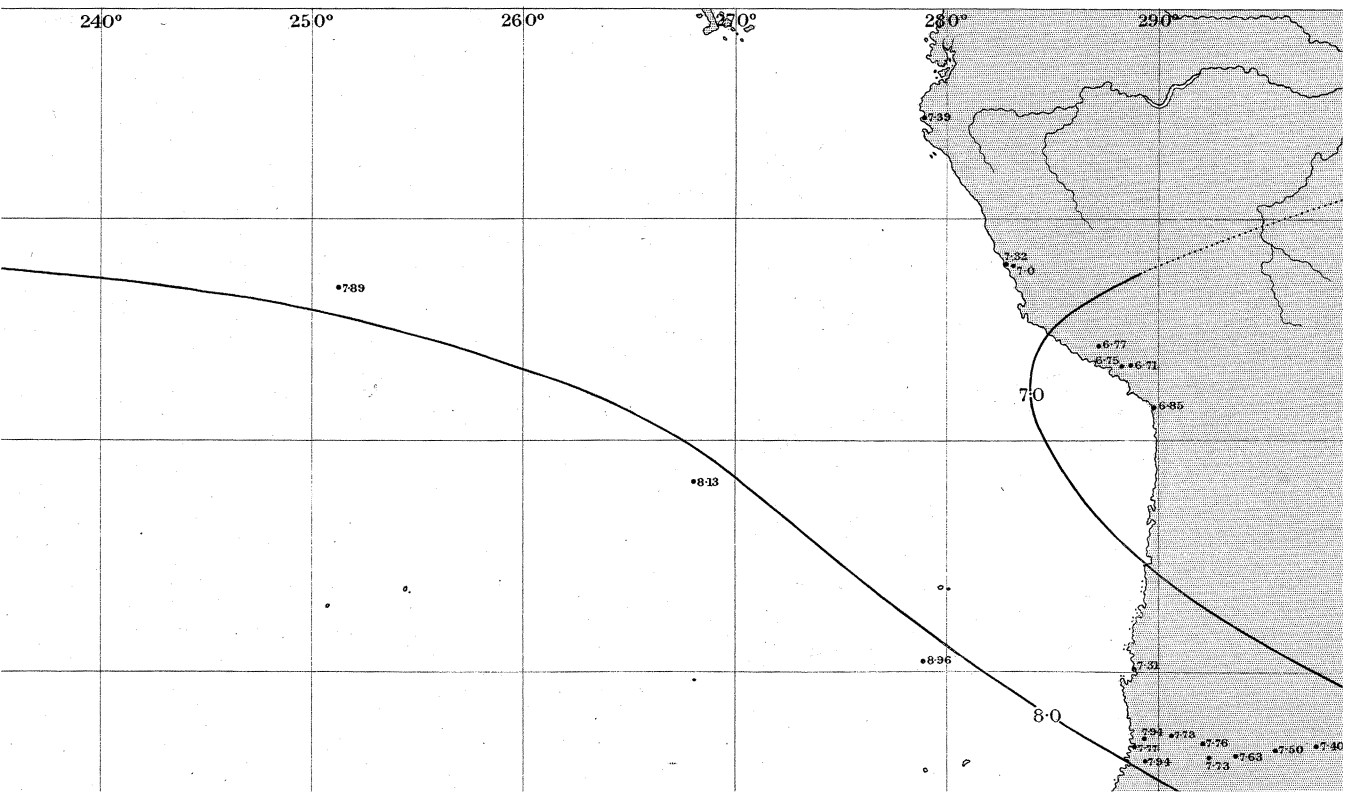
(Sabine)

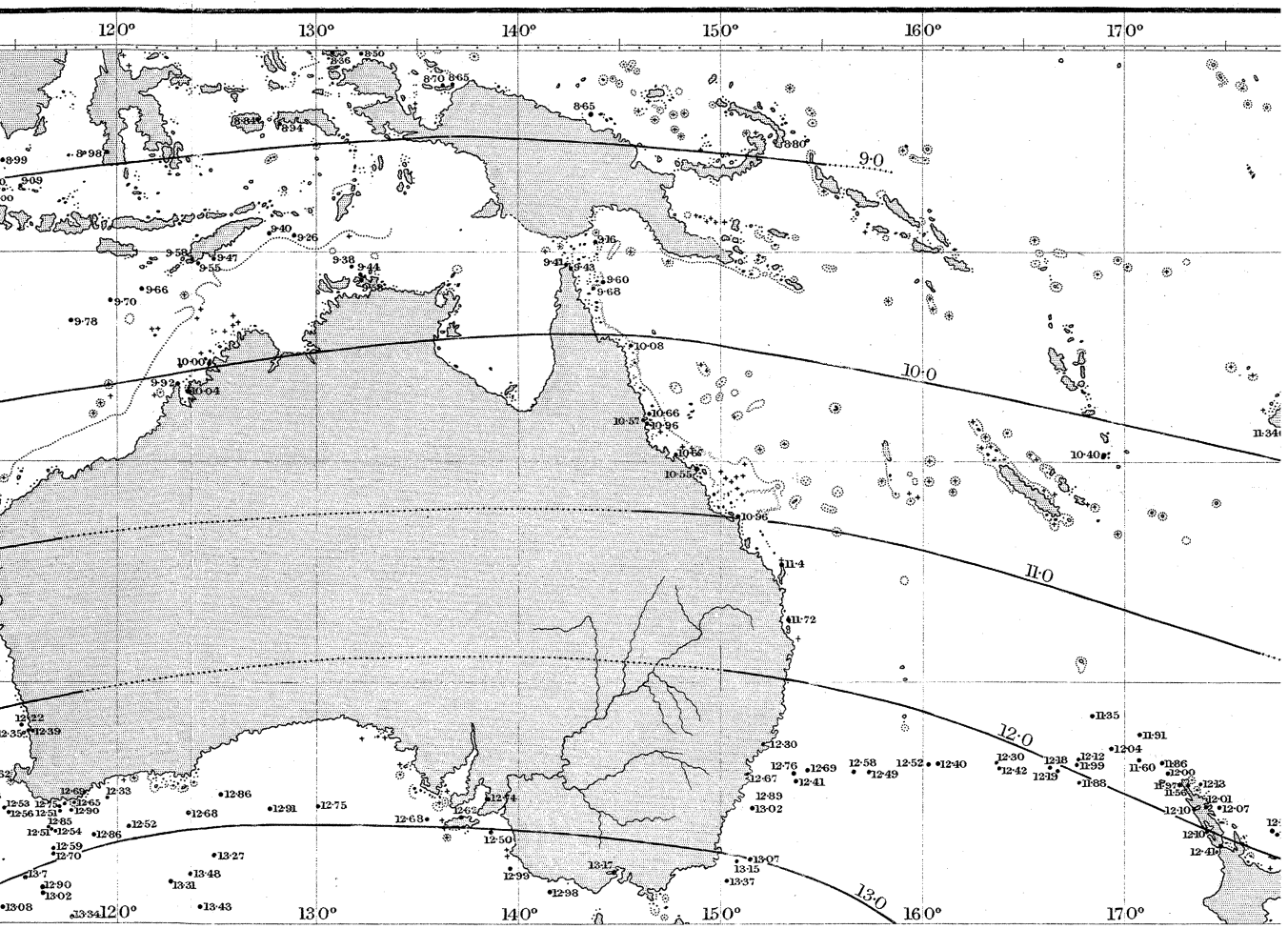




JRVEY_between the Equator and the parallel of 40°S._Epoch



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130°
140°
150°
160°
170°
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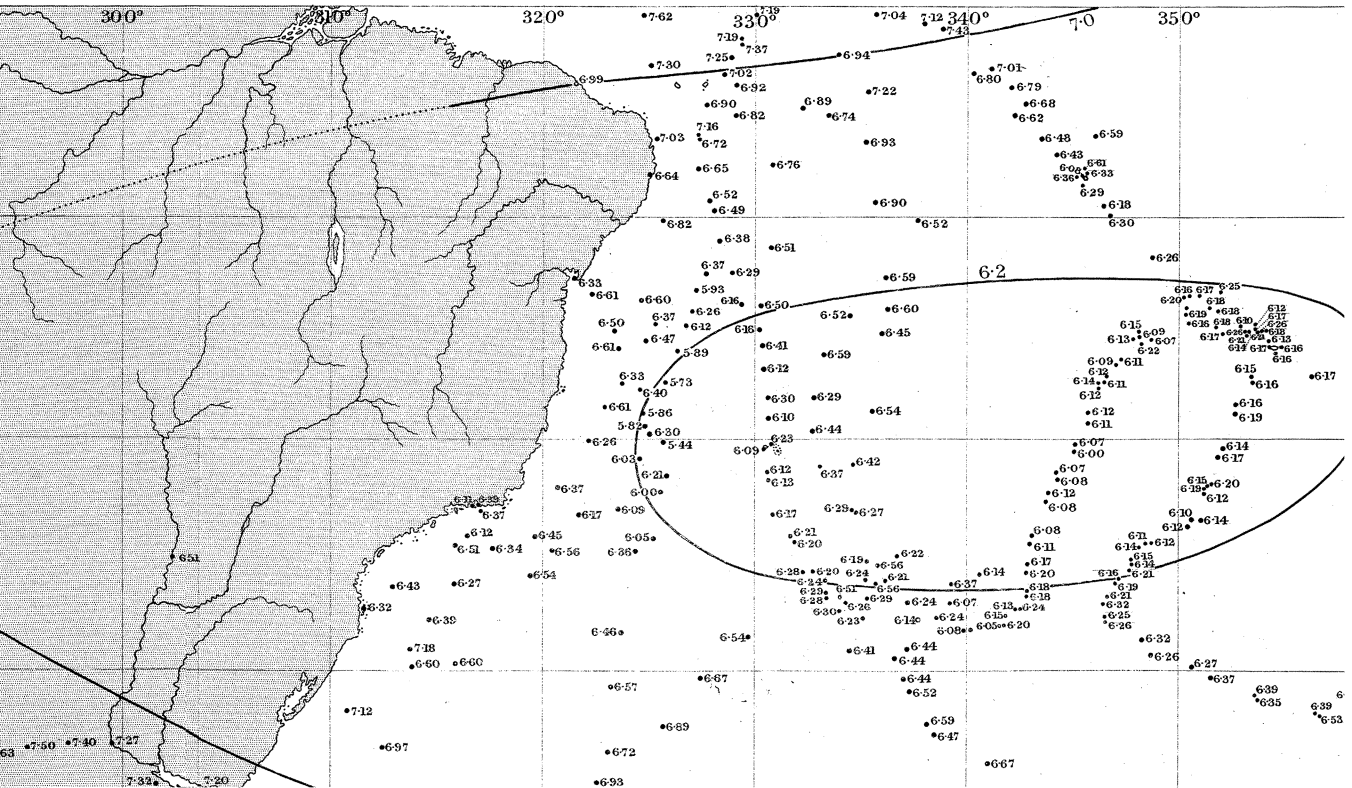
10·0
11·0
12·0
13·0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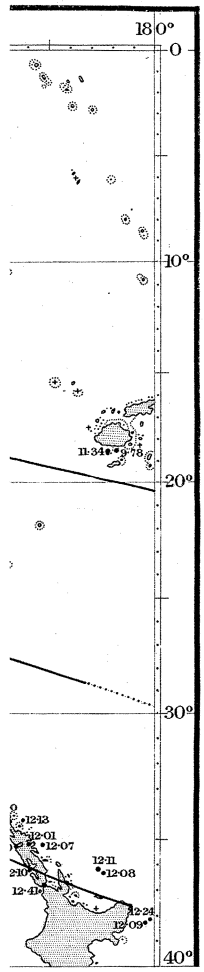
320°
330°
340°
350°
7·0
6·2

77. *Plate* 19.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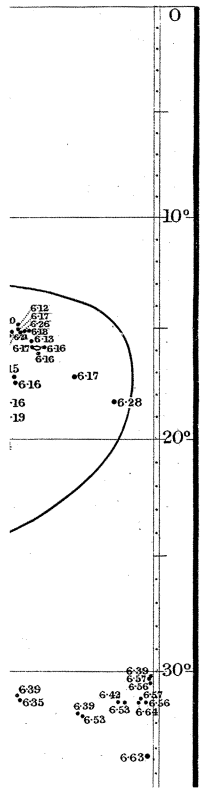
12·07
12·11
12·08
12·41
12·24
12·09


0
10°
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30°
6·12
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6·13
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6·16
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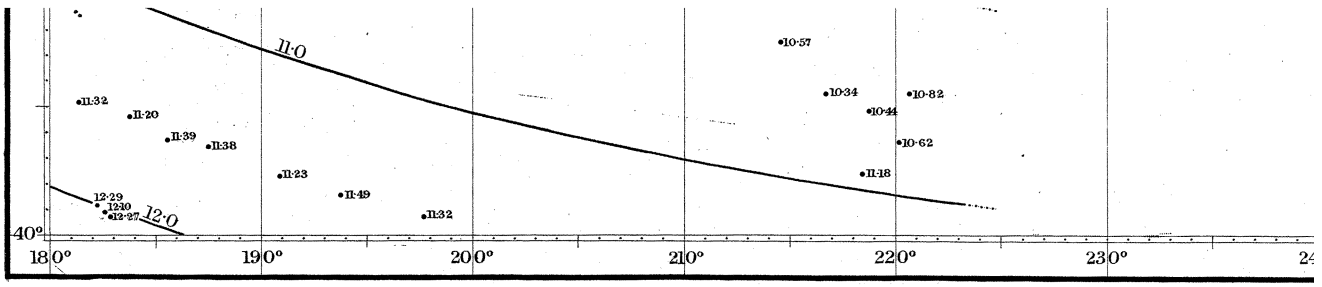
6·63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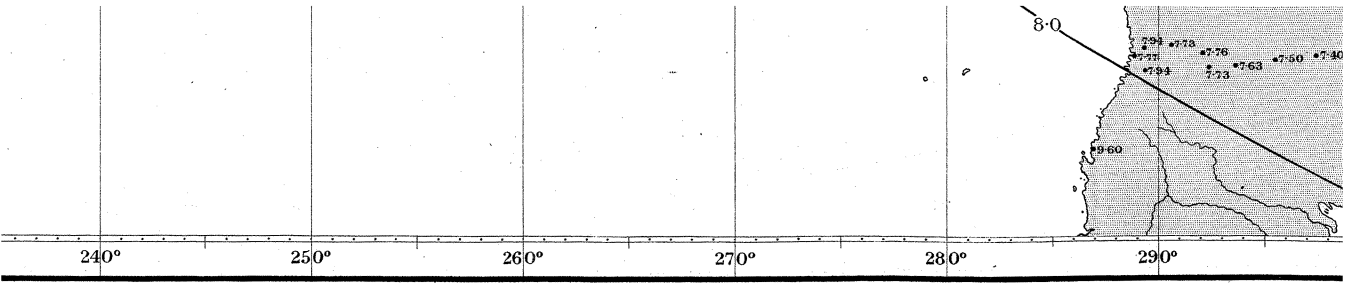
10·62
11·18
11·32
11·20
11·39
11·38
11·23
11·49
11·32
12·29
12·30
12·27
40°
180°
190°
200°
210°
220°
230°


8·0
7·92
7·78
7·77
7·76
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7·40
7·94
7·63
7·73
9·60
240°
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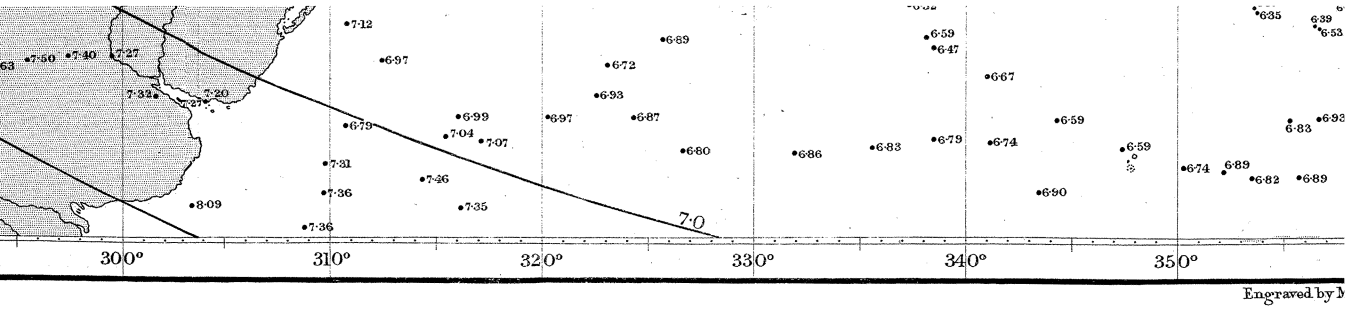
280°
290°



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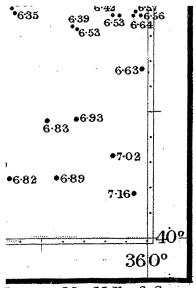
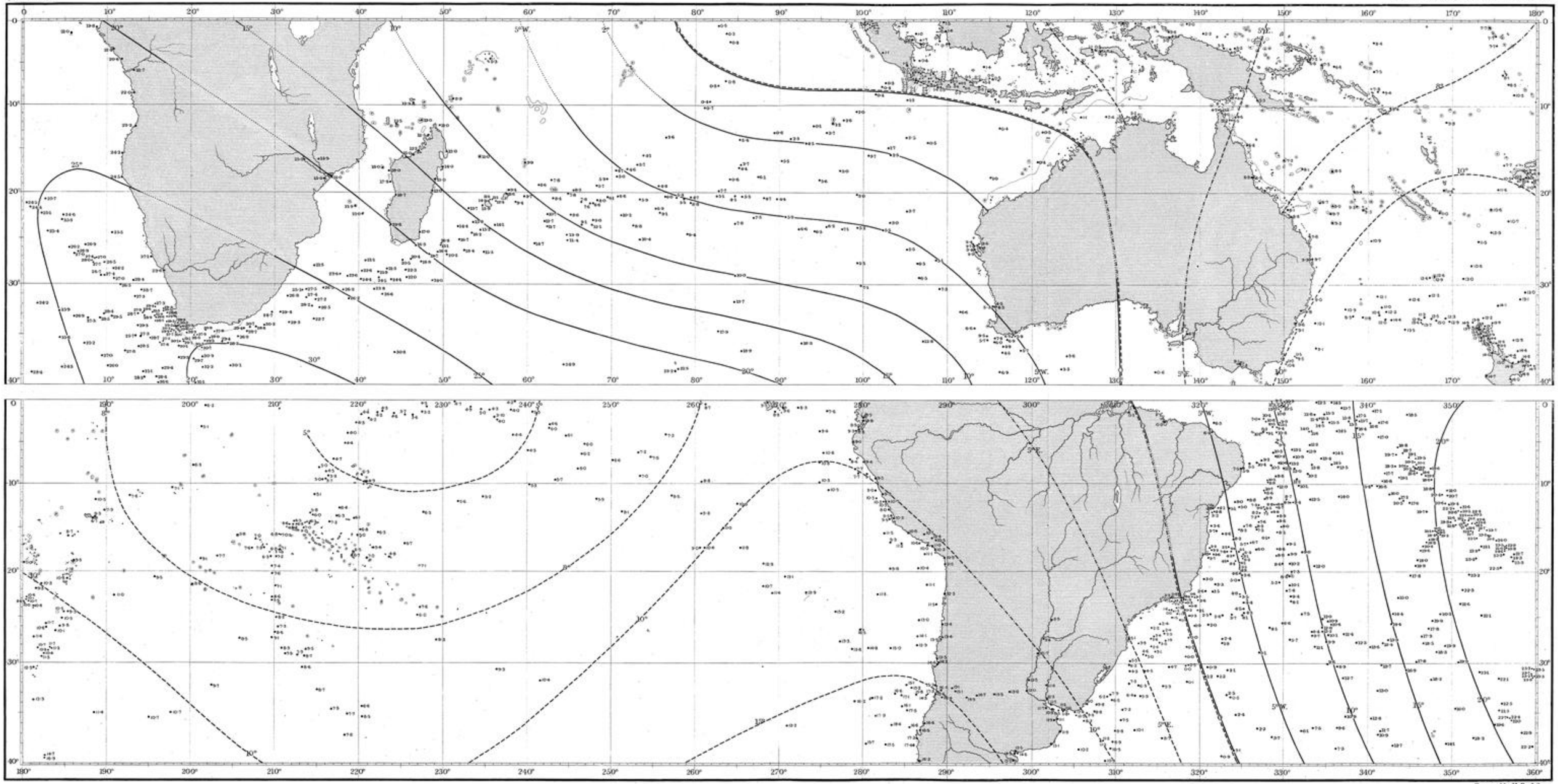


Engraved by Malby & Sons.

MAGNETIC SURVEY _ *between the Equator and the parallel of 40° S. — Epoch 1840-45.* Declination.

(Sabine)

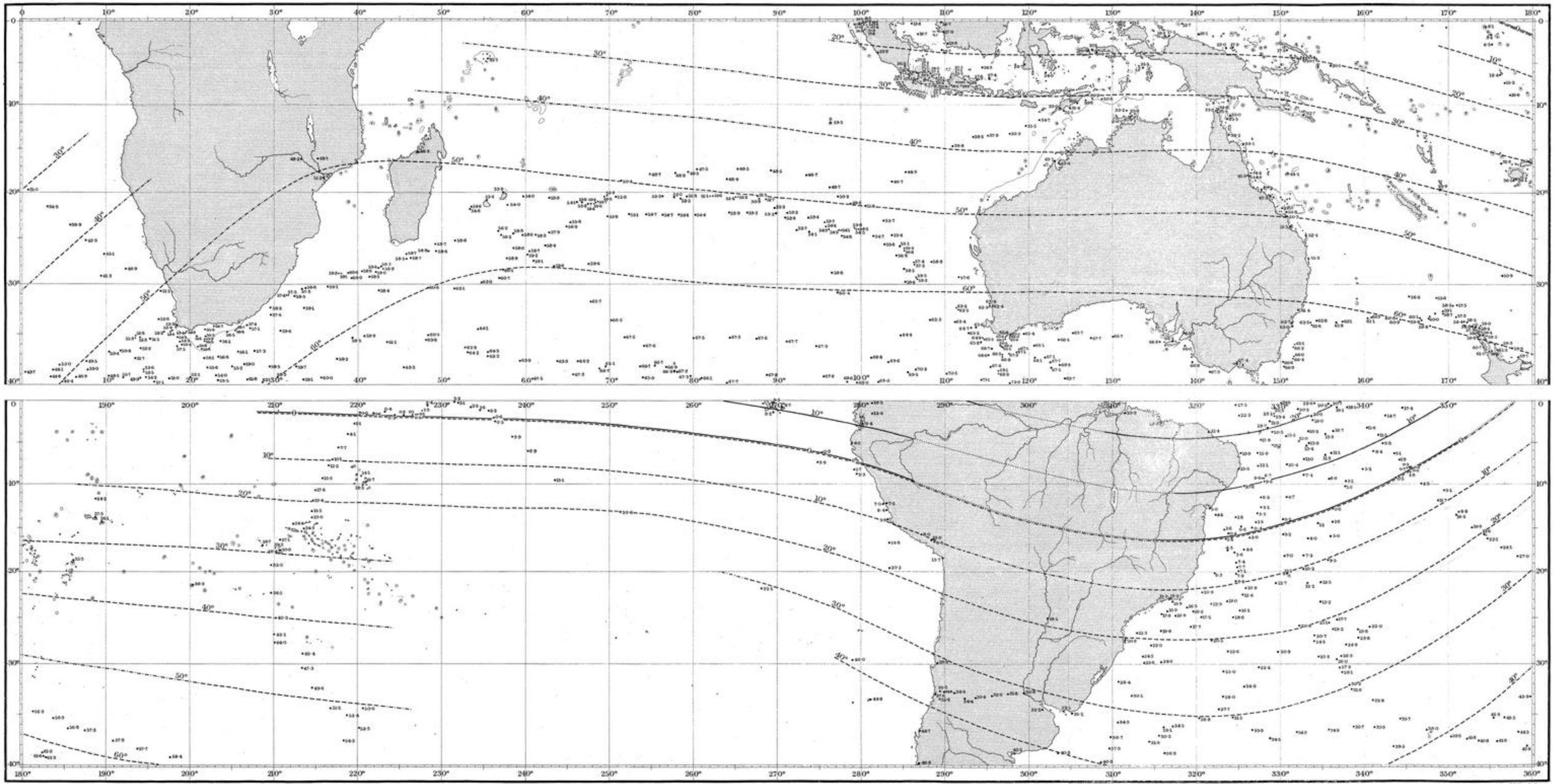
Phil. Trans. 1877. *Plate* 17.



Engraved by Malby & Sons

MAGNETIC SURVEY_ *between the Equator and the parallel of 40°S._ *Epoch 1840-45.* Inclination.

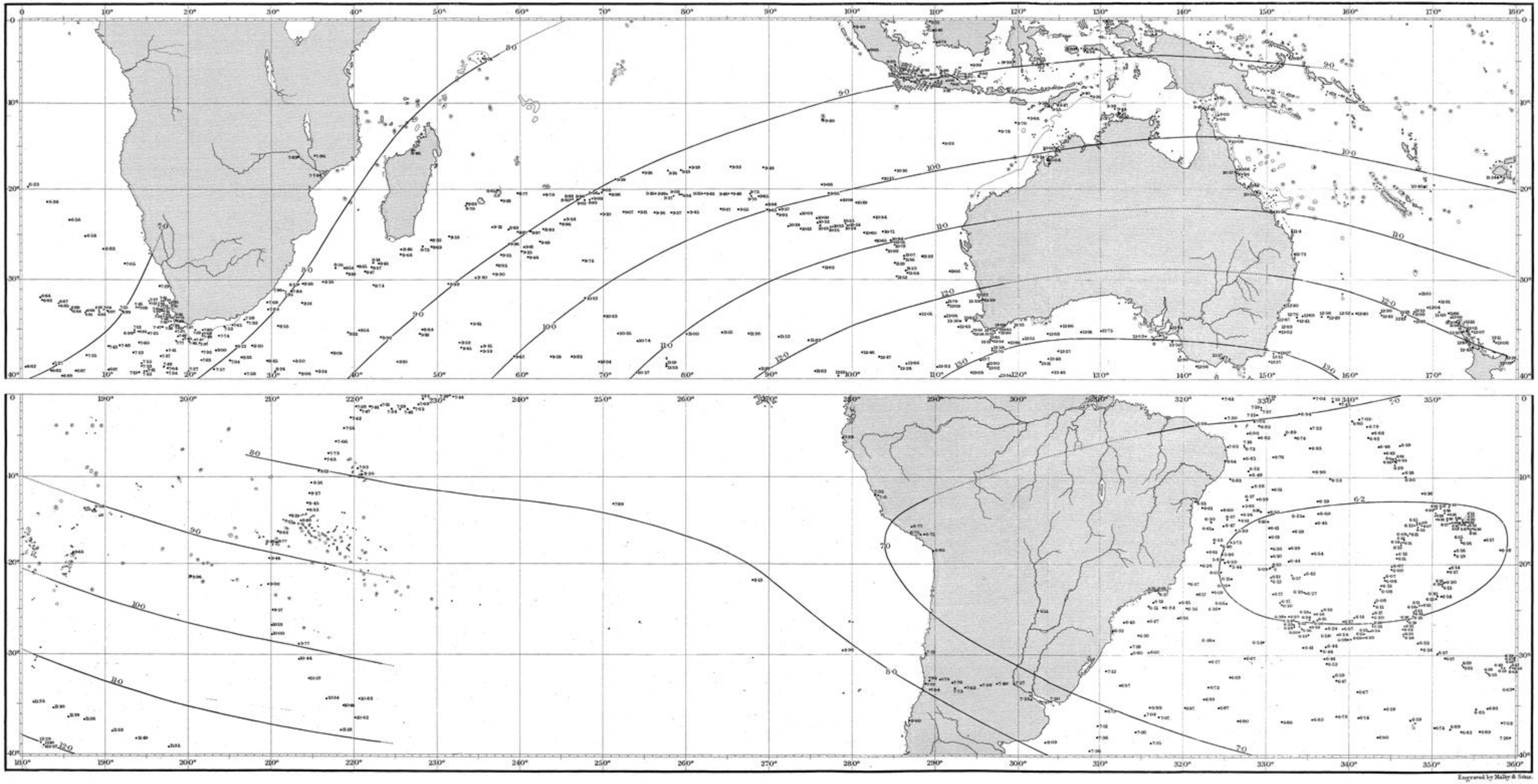
(Sabine)



Engraved by Malby & Sons.

MAGNETIC SURVEY_ *between the Equator and the parallel of 10°S._ *Epoch 1840-45.* Intensity.

(Sabine)



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