THE COMPLETION OF THE GENERAL MAGNETIC SURVEY OF AUSTRALIA BY THE CARNEGIE INSTITUTION OF WASHINGTON.

By

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(Read before the Royal Society of Tasmania, 8th August, 1921.)

The plan of the General Magnetic Survey of Australia by the Department of Terrestrial Magnetism of the Carnegie Institution of Washington was explained in a paper read by the author before the Australasian Association at Melbourne in 1913. As there stated, the object was to secure approximately one station for every 10,000 square miles of territory, or about 300 stations in all, with a uniform distribution over the Continent. Lack of facilities for travelling over large areas of the interior, of course, prevented the execution of this plan in its entirety, but the number and distribution of the stations established by the close of the survey in November, 1914, may be considered very satisfactory under the circumstances.

The finally accepted results are given in the appended table, which is self explanatory. Some have already been published in the volumes of the Department of Terrestrial Magnetism, where descriptions of stations will also be found, but some have not yet appeared in print.

I was assisted at various times during the progress of the work by the following observers:—F. Brown, F. W. Cox, A. L. Kennedy, W. C. Parkinson, and E. N. Webb. In the last column of the Table of Results the observer respon-

*Owing to the Shipping Strike, the meeting of the A.A.A.S., which was to have been held in Hobart, had to be held in Melbourne. As a consequence, numerous difficulties had to be overcome. It was found impossible to bring out the ordinary Report of the A.A.A.S. meeting and print all papers. Arrangements were made for certain papers to be read before the Society, and printed in the Papers and Proceedings for 1921.

sible for the observations is shown by his initials. When observations were made jointly by two observers, this fact is shown by the combination of their last initials.

A number of the expeditions made by members of the party entailed a considerable amount of organisation, and work was carried on under conditions which were frequently arduous and occasionally dangerous. The more important of these expeditions were:—(a) One carried out by myself from Wiluna to Hall's Creek, in Western Australia, along the disused Canning Stock Route; (b) Expeditions by Mr. Brown down the Yorke Peninsula, and by launch along the north coast of the Coburg Peninsula (N.T.); (c) A journey by Mr. Parkinson by Ford motor along the No. 1 Rabbit Proof Fence in Western Australia; (d) Mr. Kennedy's camel trip along the line of the transcontinental railway from Port Augusta. Short accounts of these expeditions, as well as of the instrumental equipment, will be published in the works of the Department of Terrestrial Magnetism.

On my journey along the Canning Stock Route an earth inductor was used extensively in the field for the first time, and gave excellent results, without any mishaps, proving itself far superior to the dip-circle.

Towards the end of 1914 the party was concentrated at Perth, and outstanding computations were finished up and instruments compared. The writer then returned to Washington, and other members of the party were assigned to work in other countries. A comparison at Washington between the Department standard instruments and some of those used in Australia gave a final check on the Australian observations. The various comparisons with standard instruments in Washington before and after going to the field, and between instruments while in the field, gave very satisfactory results. With the exception of dip-circles, the needles of which are apt to become slightly rusted, and less accurate in consequence, the instrumental corrections for the various elements remained small, and almost constant.

Considerable assistance was received in the execution of the work by all members of my party from the Government officials in each State.

Station.	Date.	Lat. S.	Long. E.	Declination	Dip. S.	Horizontal Intensity. C.G.S	Obs'r.
Thursday Island, B	Oct. 21, 1912	10 34.5	142 13	4 59.0E	..	..	FWC
Thursday Island, C	Oct. 21, 1912	10 34.5	142 13	4 59.4E	..	..	FWC
Thursday Island, A	Oct. 10, 1912	10 34.9	142 12	4 54.6E	33 18.8	.36892	K&C
	Oct. 11, 1912	..	..	4 57.1E	..	..	K&C
	Nov. 7, 1913	..	..	4 56.4E	33 25.7	.36863	FB
Albany Island.. ..	Oct. 18, 1912	10 43.9	142 36	5 05.2E	33 28.2	.36762	EK
Mapoon Mission ..	Nov. 15, 1913	11 57.8	141 53	4 58.9E	35 48.9	.36528	FB
	Nov. 22, 1913	..	..	4 57.8E	..	..	FB
	Nov. 23, 1913	..	..	4 56.8E	..	..	FB
Connell's Creek ..	Sep. 23, 1912	12 17.4	131 33	3 25.6E	37 46.9	.36210	EK
Port Darwin	Sep. 27, 1912	12 26.7	130 50	3 23.4E	38 10.5	.36229	K&C
	Sep. 30, 1912	..	..	3 28.8E	..	..	K&C
	Oct. 1, 1912	..	..	3 28.2E	..	..	K&C
Weipa Mission ..	Dec. 1, 1913	12 44.6	142 10	5 03.6E	37 08.6	.36328	FB
Batchelor	Sep. 14, 1912	13 03.6	131 03	3 29.5E	39 06.0	.35910	K&C
Mien	Dec. 8, 1913	13 12.8	142 49	5 13.0E	37 47.2	.36216	FB
Pine Creek	Sep. 11, 1912	13 49.6	131 51	3 28.2E	40 19.4	.35655	EK
Coen	Dec. 12, 1913	13 57.2	143 12	5 22.6E	38 57.6	.36005	FB
Katherine River ..	Sep. 4, 1912	14 26.1	132 17	3 38.4E	41 14.3	.35585	EK
Leech's Billabong..	Aug. 31, 1912	14 44.1	132 52	3 42.7E	41 29.7	.35464	EK
Musgrave	Dec. 17, 1913	14 47.4	143 31	5 26.2E	40 14.6	.37748	FB
Elsey Creek	Aug. 26, 1912	15 06.2	133 08	3 41.9E	42 00.9	.35356	EK
Cooktown	Nov. 26, 1912	15 28.6	145 17	5 49.4E	41 00.2	.35539	K&C
	Dec. 23, 1913	..	..	5 51.6E	41 05.3	.35484	FB
Laura	Nov. 21, 1912	15 33.2	144 30	5 40.8E	41 19.8	.35480	K&C
	Nov. 22, 1912	..	..	5 44.6E	..	.35463	K&C
	Nov. 22, 1912	..	..	..	..	.35406	K&C
	Nov. 23, 1912	..	..	..	..	.35446	K&C
	Nov. 23, 1912	..	..	..	..	.35424	K&C
Laura, Secondary..	Nov. 22, 1912	15 33.2	144 30	5 42.4E	..	..	FWC
No. 3 Well	Aug. 23, 1912	15 38.0	133 13	3 46.0E	42 46.4	.35188	EK
Daly Waters	Aug. 14, 1912	16 19.8	133 25	3 53.4E	..	.35032	EK
	Aug. 15, 1912	..	..	..	43 56.0	..	EK
Milner's Well.. ..	Aug. 13, 1912	16 41.5	133 26	3 56.7E	44 39.4	.34795	EK
Cairns	Nov. 18, 1912	16 55.6	145 46	5 59.6E	43 04.8	.35206	EK
Frew's Ponds.. ..	Aug. 11, 1912	16 58.8	133 27	4 05.6E	..	.34609	EK
	Aug. 12, 1912	..	..	..	45 10.6	..	EK
Chillagoe	Nov. 14, 1912	17 10.0	144 34	5 47.0E	43 47.6	.34918	EK
Newcastle Waters..	Aug. 9, 1912	17 23.0	133 26	3 48.0E	45 47.3	.34214	EK
Newcastle Waters, Secondary	Aug. 9, 1912	17 23.0	133 26	3 46.9E	..	..	EK
Normanton	Nov. 4, 1912	17 41.4	141 06	5 25.8E	45 01.1	.34558	EK
Burketown	Oct. 28, 1912	17 45.1	139 28	5 12.8E	45 20.4	.34707	K&C
	Nov. 1, 1912	..	..	..	45 19.5	..	K&C
Anthony Lagoon ..	Oct. 4, 1913	17 58.9	135 31	4 23.6E	46 17.6	.34193	FB
Powell's Creek.. ..	Aug. 3, 1912	18 04.8	133 41	3 54.8E	46 29.9	.34108	EK
Powell's Creek, Secondary	Aug. 5, 1912	18 04.8	133 41	3 42.4E	..	..	EK
Croydon	Nov. 6, 1912	18 13.1	142 15	5 35.4E	45 35.3	.34464	K&C
Croydon, Secondary	Nov. 7, 1912	18 13.1	142 15	5 31.5E	..	..	FWC
Cardwell..	Dec. 3, 1912	18 15.8	146 02	..	45 19.6	..	FWC
	Dec. 4, 1912	..	..	6 10.3E	..	.34332	FWC
Renner Spring ..	Aug. 1, 1912	18 19.2	133 48	4 00.8E	46 54.2	.34021	EK
Forsayth	Nov. 11, 1912	18 35.1	143 38	5 43.9E	45 59.8	.34270	K&C
Mooketa Rock Hole	July 30, 1912	18 38.0	133 54	..	47 20.1	..	EK
	July 31, 1912	..	..	3 58.5E	..	.33946	EK
Brunette Downs ..	Oct. 6, 1913	18 38.7	133 55	..	47 08.6	..	FB
	Oct. 7, 1913	..	..	4 08.0E	..	.34028	FB
Attack Creek	July 28, 1912	19 00.9	134 10	4 07.6E	..	.33785	EK
	July 29, 1912	..	..	..	47 43.0	..	EK
Alexandria	Oct. 2, 1913	19 04.0	136 39	4 18.0E	47 28.0	.33870	FB
	Oct. 2, 1913	..	..	..	..	.33836	FB
Townsville	Nov. 29, 1912	19 14.6	146 50	..	46 31.3	..	FWC
	Nov. 30, 1912	..	..	6 35.4E	..	.34142	FWC
	Nov. 24, 1913	..	..	6 39.6E	46 35.4	.34059	EK
Canobie	Nov. 20, 1913	19 28.3	140 57	5 58.0E	47 28.8	.33686	EK
Tennant's Creek ..	July 26, 1912	19 33.4	134 15	4 00.0E	48 25.6	.33475	EK
Mount Samuel.. ..	July 24, 1912	19 43.0	134 11	..	49 40.2	..	EK
	July 25, 1912	..	..	3 48.8E	..	.33286	EK

Station.	Date.	Lat. S.	Long. E.	Declination.	Dip. S.	Horizontal Intensity.	Obs'r.
						C.G.S	
Camooweal	Sep. 30, 1913	19 55.6	138 06	4 27.0E	48 39.6	.33608	FB
	Oct. 1, 1913	..	..	4 24.4E	..	.33655	FB
Bowen	Nov. 10, 1913	20 00.8	148 15	6 44.0E	47 32.8	.34111	EK
	Nov. 11, 1913	..	..	..	47 36.9	..	EK
Charters Towers ..	Nov. 13, 1913	20 04.4	146 15	6 31.4E	47 29.9	.33887	EK
Gilbert Creek.. ..	July 22, 1912	20 11.8	134 14	..	49 25.8	..	EK
	July 23, 1912	..	..	3 54.8E	..	.33212	EK
Wycliffe Well	July 20, 1912	20 41.4	134 15	3 57.5E	50 07.9	.33009	EK
Cloncurry	Oct. 13, 1913	20 42.4	140 30	4 50.6E	49 32.5	.33626	FB
Richmond	Nov. 17, 1913	20 45.2	143 09	5 45.5E	49 03.8	.33396	EK
Hughenden	Nov. 15, 1913	20 50.4	144 12	6 05.4E	49 06.2	.33282	EK
Mackay	Nov. 7, 1913	21 08.8	149 11	7 13.2E	48 54.9	.33237	EK
Taylor's Crossing..	July 18, 1912	21 14.8	134 08	3 32.6E	50 59.1	.32446	EK
Barrow Creek	July 15, 1912	21 32.0	133 53	3 33.4E	51 21.1	.32506	EK
Mount Douglas....	Oct. 30, 1913	21 32.2	146 51	6 50.2E	49 32.0	.33110	EK
Kynuna	Oct. 15, 1913	21 34.6	141 56	5 46.8E	50 33.5	.32786	FB
Urandangi	Sep. 27, 1913	21 36.9	138 20	4 48.6E	..	.32642	FB
	Sep. 28, 1913	..	..	4 44.7E	50 49.2	.32636	FB
Hanson's Well.. ..	July 10, 1912	21 47.8	133 39	..	51 46.6	..	K&C
	July 11, 1912	..	..	3 38.6E	..	.32294	K&C
Teatree Well	July 9, 1912	22 08.3	133 23	3 39.7E	52 10.8	.32012	K&C
St. Lawrence.. ..	Nov. 4, 1913	22 20.8	149 32	7 31.1E	50 33.6	.32704	EK
Winton	Oct. 17, 1913	22 24.1	143 03	6 09.2E	51 23.5	.32288	FB
	Oct. 18, 1913	..	..	6 04.7E	..	.32197	FB
Eastmere	Oct. 22, 1913	22 29.7	145 53	6 37.4E	51 22.3	.32435	EK
Ryan's Well	July 6, 1912	22 43.4	133 21	4 03.3E	53 03.2	.32000	EK
Clermont	Oct. 25, 1913	22 49.2	147 38	7 04.2E	51 02.8	.32532	EK
Boulia	Sep. 24, 1913	22 54.7	139 56	5 38.0E	52 19.6	.31987	FB
Burt Well	July 4, 1912	23 13.0	133 45	3 43.6E	53 30.8	.31406	EK
Winnecke's..	July 1, 1912	23 19.7	134 15	..	53 12.4	..	EK
	July 2, 1912	..	..	4 12.3E	..	.31974	EK
Rockhampton	Sep. 6, 1913	23 22.0	150 30	..	51 12.5	..	FB
	Sep. 8, 1913	..	..	8 00.6E	..	.32542	FB
Arltunga	June 29, 1912	23 26.2	134 41	3 47.7E	53 35.8	.31728	K&C
Arltunga, Secondary	June 29, 1912	23 26.2	134 41	3 45.0E	..	..	K&C
Longreach	Sep. 11, 1913	23 26.4	144 15	6 22.6E	52 33.6	.31903	K&B
Emerald	Sep. 9, 1913	23 30.8	148 10	7 18.9E	52 26.0	.31874	FB
Vergemont..	Sep. 17, 1913	23 31.5	143 02	6 03.6E	52 56.4	.31770	FB
	Sep. 17, 1913	..	..	6 08.0E	..	.31775	FB
Mayne Jn. Hotel..	Sep. 19, 1913	23 32.1	141 23	5 54.6E	53 21.9	.31431	FB
Jericho	Oct. 15, 1913	23 35.7	146 08	..	52 45.3	..	EK
	Oct. 16, 1913	..	..	6 39.8E	..	.31780	EK
Alice Springs	June 22, 1912	23 40.8	133 54	3 45.0E	54 05.0	.31286	EK
Alice Springs, Secondary	June 22, 1912	23 40.8	133 54	3 41.8E	..	..	EK
Gladstone	Oct. 4, 1913	23 51.0	151 15	8 08.0E	..	.31982	EK
	Oct. 6, 1913	..	..	..	52 05.7	..	EK
Temple Bar..	June 19, 1912	23 56.4	133 57	..	54 30.2	..	EK
	June 20, 1912	..	..	3 50.7E	..	.31107	EK
Ooraminna Well..	June 18, 1912	24 21.2	134 04	3 55.4E	54 55.8	.30939	EK
Stonehenge	Sep. 13, 1913	24 21.2	143 18	6 05.8E	53 53.4	.31382	K&B
Bedourie	Sep. 22, 1913	24 21.6	139 29	5 24.0E	54 37.1	.30864	FB
Rolleston	Oct. 13, 1913	24 27.8	148 37	7 13.2E	53 50.8	.31196	EK
Malvern Bore.. ..	Oct. 17, 1913	24 30.8	144 59	6 41.0E	53 51.2	.31427	EK
Alice Well	June 15, 1912	24 47.4	134 09	..	55 39.8	..	EK
	June 16, 1912	..	..	4 01.9E	..	.30504	EK
Tambo	Aug. 8, 1913	24 53.3	146 16	..	54 02.4	..	EK
	Aug. 9, 1913	..	..	6 53.7E	..	.31305	EK
Currawilla	Aug. 16, 1913	25 08.4	141 20	5 41.8E	55 04.9	.30848	K&B
Horseshoe Bend ..	June 13, 1912	25 11.1	134 15	3 43.6E	..	.30384	EK
	June 14, 1912	..	..	..	56 00.8	..	EK
Windorah	Aug. 14, 1913	25 25.4	142 39	6 07.7E	55 14.8	.30764	K&B
Crown Point	June 12, 1912	25 30.2	134 24	4 02.4E	56 15.9	.30238	EK
Maryborough	Sept. 3, 1913	25 32.0	152 42	..	54 01.7	..	FB
	Sept. 4, 1913	..	..	8 35.8E	..	.31210	FB
Gayndah	Oct. 8, 1913	25 37.7	151 37	8 12.0E	54 04.8	.31050	EK
Goyder Creek.. ..	June 10, 1912	25 38.4	134 39	3 49.2E	56 35.8	.30087	EK
Taroom	Sep. 30, 1913	25 38.8	149 48	7 51.7E	54 27.8	.31024	EK
Adavale	Aug. 12, 1913	25 54.8	144 35	6 29.2E	55 36.8	.30533	K&B

Station.	Date.	Lat. S.	Long. E.	Declination.	Dip. S.	Horizontal Intensity.	Obs'r.
						C.G.S	
Charlotte Waters..	June 7, 1912	25 55.9	134 55	..	56 57.5	..	EK
	June 8, 1912	..	..	3 57.0E	..	.29916	EK
Blood's Creek	June 5, 1912	26 18.8	135 06	4 23.8E	57 23.6	.29500	EK
Charleville..	Aug. 7, 1913	26 24.4	146 14	7 03.8E	56 01.0	.30459	K&B
Roma	Aug. 5, 1913	26 34.0	148 48	7 40.2E	55 40.7	.30541	K&B
Meekatharra	Apr. 20, 1912	26 35.2	118 30	..	59 01.9	..	EK
	Apr. 21, 1912	..	..	1 05.5W	..	.28162	EK
Meekatharra, Secondary	Apr. 22, 1912	26 35.2	118 30	1 00.9W	..	..	EK
Eromanga	Aug. 19, 1913	26 40.1	143 16	6 24.6E	56 40.2	.30013	K&B
Woodgate's Swamp	Jun. 2, 1912	26 40.6	135 29	..	57 32.4	..	EK
	Jun. 3, 1912	..	..	4 06.0E	..	.29678	EK
Chinchilla	Aug. 2, 1913	26 44.6	150 38	8 19.4E	55 45.1	.30412	EK
Box Tree Flat	May 31, 1912	27 10.4	135 30	4 29.5E	58 14.2	.29299	EK
Brisbane	July 17, 1913	27 27.0	153 02	9 03.3E	56 09.9	.30154	EK
Brisbane University	Nov. 29, 1913	27 28.7	153 02	9 14.3E	..	.30135	EK
	Nov. 30, 1913	..	..	9 12.4E	..	..	EK
	Dec. 1, 1913	..	..	..	56 15.1	..	EK
Toowoomba	Jul. 23, 1913	27 32.8	151 57	8 30.4E	56 20.4	.30120	EK
Oodnadatta	Aug. 21, 1911	27 33.1	135 28	4 10.4E	58 26.5	.29177	K&W
	May 26, 1912	..	..	4 11.2E	58 32.5	.29190	EK
Southport	Jul. 19, 1913	27 58.7	153 26	9 02.8E	56 39.2	.29868	EK
Sandstone	Apr. 27, 1912	27 59.0	119 15	1 02.8W	60 27.0	.27261	EK
Thargomindah . ..	Aug. 21, 1913	27 59.7	143 49	6 38.0E	58 10.5	.29319	K&B
Mount Magnet, B*	Apr. 24, 1912	28 02.3	117 49	44 24.3E	64 16.2	..	EK
	Apr. 25, 1912	..	..	52 15.1E	..	.28834	EK
Mount Magnet, C*	Apr. 24, 1912	28 02.3	117 49	21 29.2E	72 10.5	..	EK
Mount Magnet, D*	Apr. 24, 1912	28 02.4	117 49	9 41.9E	64 32.3	..	EK
Mount Magnet, E*	Apr. 24, 1912	28 02.5	117 49	13 14.7E	63 40.0	..	EK
Mount Magnet, E*	Apr. 25, 1912	..	..	13 11.2E	..	.23764	EK
Mount Magnet, F*	Apr. 25, 1912	28 02.5	117 49	4 28.0E	..	..	EK
Mount Magnet, A*	Apr. 23, 1912	28 04.3	117 51	1 28.0W	60 44.6	.27078	EK
Cunnamulla	Aug. 23, 1913	28 04.3	145 42	6 57.1E	58 02.5	.29365	K&B
Lawlers	May 1, 1912	28 05.2	120 30	0 22.6W	61 06.6	.27288	EK
Lawlers, Secondary	May 1, 1912	28 05.2	120 30	0 11.0E	..	..	EK
Yalgoo	Apr. 18, 1912	28 20.6	116 40	..	60 48.6	..	EK
	Apr. 19, 1912	..	..	1 45.6W	..	.27246	EK
Goondiwindi	Jul. 26, 1913	28 32.0	150 18	9 10.2E	57 57.5	.29395	EK
Dirranbandi	Jul. 25, 1913	28 34.0	148 13	7 49.6E	58 11.9	.29263	EK
Laverton	Mar. 28, 1912	28 37.5	122 26	0 41.6W	61 17.3	.27534	EK
Boorthanna	Aug. 17, 1911	28 37.7	135 53	3 33.2E	59 37.3	.28571	K&W
Byron Bay	May 9, 1913	28 39.2	153 36	9 17.7E	57 29.8	.29444	EK
Geraldton	Apr. 16, 1912	28 47.0	114 37	..	61 57.5	..	EK
	Apr. 17, 1912	..	..	3 27.2W	..	.26196	EK
Tenterfield	Apr. 24, 1913	29 04.3	152 02	9 04.0E	58 02.2	.29304	EK
Mingenew	Apr. 15, 1912	29 12.4	115 26	3 50.9W	62 32.8	.25848	EK
Coward Springs ..	Aug. 18, 1911	29 24.2	136 49	4 01.0E	60 24.7	.28078	K&W
	Aug. 18, 1911	..	..	..	60 25.2	..	K&W
Moree	May 27, 1913	29 28	149 50	8 30.1E	59 06.3	.28741	EK
Hergott Springs ..	Aug. 16, 1911	29 39.1	138 02	5 13.8E	60 29.9	.28010	K&W
Menzies	Mar. 29, 1912	29 41.0	121 04	1 21.0W	..	.26174	EK
	Mar. 30, 1912	..	..	..	62 32.0	..	EK
Menzies, Secondary*	Mar. 30, 1912	29 41.0	121 04	1 10. W	..	..	EK
Wanaaring	Jun. 14, 1913	29 42.3	144 08	7 01.3E	59 51.8	.28252	EK
Milparinka	Jun. 21, 1913	29 45.0	141 54	6 24.8E	60 13.4	.28097	EK
Walgett	May 29, 1913	30 01.2	148 08	8 11.9E	59 46.9	.28255	EK
Farina, B.	Aug. 24, 1911	30 04.3	138 16	6 01.8E	..	..	ENW
Farina, A.	Aug. 23, 1911	30 04.5	138 17	5 50.8E	..	.27752	K&W
Farina, Secondary .	Aug. 23, 1911	30 04.5	138 17	..	60 54.2	..	ENW
Bourke	Jun. 11, 1913	30 05.0	145 57	7 33.3E	..	.28058	EK
	Jun. 12, 1913	..	..	..	60 10.5	..	EK
Bourke, 1	Jun. 12, 1913	30 05.0	145 57	7 29.7E	..	..	EK
Woolgoolga	May 5, 1913	30 07.2	153 12	9 19.9E	59 09.3	.28592	EK

*Local disturbance. The two declinations at Station Mount Magnet B were obtained at points less than 1 foot apart, showing great disturbance.

Station.	Date.	Lat. S.	Long. E.	Declination.	Dip. S.	Horizontal Intensity.	Obs'r.
						C.G.S	
Narrabri	May 28, 1913	30 18.6	149 48	8 47.0E	59 58.4	.28166	EK
Armidale	Apr. 23, 1913	30 31.4	151 41	9 10.6E	59 45.6	.28248	EK
Moora	Apr. 12, 1912	30 38.0	115 59	4 39.0W	63 48.2	.25132	EK
Beltana	Aug. 25, 1911	30 48.3	138 24	5 32.4E	..	.27247	K&W
	Aug 26, 1911	..	..	..	61 34.2	..	K&W
Beltana, Secondary	Aug. 25, 1911	30 48.3	138 24	..	61 35.6	..	EK
Coonamble	Jun. 6, 1913	30 57.1	148 24	8 41.1E	..	.27829	EK
	Jun. 7, 1913	..	..	..	60 45.8	..	EK
Coolgardie	Mar. 26, 1912	30 57.2	121 11	1 30.6W	63 28.9	.25616	EK
Boorabbin	Mar. 20, 1912	31 12.8	120 20	2 01.0W	63 59.1	.25316	EK
Southern Cross .	Mar. 19, 1912	31 13.8	119 21	2 13.7W	64 06.0	.25142	EK
Werris Creek . .	Apr. 22, 1913	31 21.0	150 39	8 53.0E	61 04.2	.27540	EK
Nanwoora	Sep. 26, 1911	31 22.5	131 34	2 04.1E	62 29.5	.26962	EK
White Wells . . .	Sep. 27, 1911	31 26.1	130 59	2 29.3E	..	.26826	EK
	Sep. 28, 1911	..	..	..	62 55.8	..	EK
Port Macquarie .	Apr. 16, 1913	31 26.3	152 55	8 55.6E	60 46.6	.27770	EK
Diamond Drill Tank	Sep. 29, 1911	31 27.4	129 33	..	63 12.3	..	EK
	Sep. 30, 1911	..	..	1 06.0E	..	.26450	EK
Cundalabbie Tanks	Oct. 4, 1911	31 27.5	130 20	2 35.2E	..	.26109	EK
	Oct. 5, 1911	..	..	..	63 30.6	..	EK
Merredin	Mar. 17, 1912	31 28.3	118 19	3 23.0W	..	.25024	EK
	Mar. 18, 1912	..	..	..	64 19.6	..	EK
Cobar	Jun. 26, 1913	31 29.9	145 49	7 41.1E	..	.27282	EK
	Jun. 27, 1913	..	..	..	61 36.2	..	EK
Wilcannia	Jun. 16, 1913	31 33.7	143 23	6 59.6E	61 59.6	.27005	EK
Wilcannia, 1 . .	Jun. 23, 1913	31 33.7	143 23	6 59.3E	..	..	EK
Nyngan	Jun. 28, 1913	31 34.0	147 11	7 13.8E	61 26.0	.27260	EK
Colona	Oct. 7, 1911	31 37.6	132 05	3 02.9E	63 33.3	.25977	EK
Northam	Mar. 15, 1912	31 38.6	116 41	4 30.0W	64 43.4	.24453	EK
Eucla	Oct. 2, 1911	31 43.8	128 53	1 44.4E	63 32.0	.25951	EK
Broken Hill Reservoir . . .	Sep. 7, 1911	31 53.2	141 37	5 48.2E	62 35.5	.26606	ENW
Hawker	Aug. 29, 1911	31 53.2	138 26	5 50.4E	63 05.2	.26244	ENW
Bayswater, A . .	Feb. 14, 1912	31 55.2	115 55	4 41.6W	64 51.4	.24422	EK
Bayswater, B† . .	Feb. 14, 1912	31 55.2	115 55	6 02.8W	..	..	EK
Bayswater, C† . .	Feb. 14, 1912	31 55.2	115 55	4 45.8W	..	..	EK
Yalata Head Station	Oct. 9, 1911	31 56.3	132 20	2 50.8E	63 55.7	.25600	EK
Broken Hill . . .	Sep. 10, 1911	31 57.8	141 27	6 18.1E	62 30.2	.26710	ENW
Perth	Feb. 16, 1912	31 58.0	115 50	4 45.0W	64 55.1	.24356	EK
Rottnest Island .	Feb. 17, 1912	32 00.2	115 33	4 38.1W	..	.24293	EK
	Feb. 18, 1912	..	..	..	65 01.6	..	EK
Cockburn	Sep. 4, 1911	32 05.1	141 00	6 14.3E	..	.26446	ENW
	Sep. 5, 1911	..	..	..	62 32.0	..	ENW
Ceduna	Sep. 21, 1911	32 08.2	133 36	3 50.6E	63 47.4	.25785	EK
Norseman	Mar. 23, 1912	32 12.2	121 48	1 29.6W	64 46.8	.24743	EK
Dubbo, A	Jun. 9, 1913	32 14.3	148 35	7 08.4E	61 38.0	.27941	EK
Dubbo, 1*	Jun. 9, 1913	32 14.3	148 35	4 05.1E	..	..	EK
Dubbo, B*	Jun. 30, 1913	32 14.9	148 37	8 47.5E	62 09.9	.26979	EK
Olary	Sep. 2, 1911	32 17.1	140 20	6 10.2E	63 32.4	.25706	ENW
Menindie	Jun. 18, 1913	32 23.9	142 26	6 50.4E	63 02.3	.26412	EK
Quorn	Aug. 14, 1911	32 31.4	138 02	6 09.8E	63 33.8	.26034	K&W
Yunta	Sep. 1, 1911	32 35.2	139 33	6 01.8E	63 23.6	.26119	ENW
	Sep. 11, 1911	..	..	6 01.6E	..	..	ENW
East Maitland . .	Apr. 21, 1913	32 44.9	151 34	9 34.1E	62 04.3	.26980	EK
Flinders	Sep. 18, 1911	32 47.9	134 11	3 15.6E	64 16.6	.25712	EK
Ivanhoe	May 22, 1913	32 54.2	144 19	7 17.5E	63 17.5	.26258	EK
Narrogin	Mar. 5, 1912	32 55.8	117 10	5 21.5W	..	.23530	EK
	Mar. 6, 1912	..	..	..	66 06.6	..	EK
Petersburg	Sep. 13, 1911	32 58.4	138 48	5 42.8E	63 58.6	.25708	ENW
Condobolin . . .	Jun. 4, 1913	33 04.8	147 09	..	63 02.2	..	EK
	Jun. 5, 1913	..	..	7 51.8E	..	.26402	EK
Port Pirie, A . .	Sep. 15, 1911	33 11.3	138 01	6 21.0E	..	.25894	ENW
	Sep. 16, 1911	..	..	6 18.5E	64 01.4	..	ENW
Port Pirie, B . .	Sep. 16, 1911	33 11.3	138 01	6 24.0E	..	.25833	ENW
Orange	Jun. 3, 1913	33 17.6	149 07	9 10.2E	63 02.6	.26304	EK

†Artificial local disturbance.

*Local disturbance.

Station.	Date.	Lat. S.	Long. E.	Declination.	Dip. S.	Horizontal Intensity.	Obs'r.
						C.G.S	
Talia	Sep. 15, 1911	33 19.2	134 50	4 15.2E	64 59.8	.25051	EK
Bunbury	Feb. 21, 1912	33 19.5	115 38	..	66 08.0	..	EK
	Feb. 22, 1912	..	..	5 46.3W	..	.23542	EK
Hillston	May 23, 1913	33 30.0	145 33	7 47.8E	63 40.6	.25977	EK
Burra	Aug. 11, 1911	33 40.7	138 55	6 00.6E	64 26.6	.25452	K&W
Cowell	Sep. 22, 1911	33 40.9	136 54	3 52.1E	65 01.0	.25108	ENW
Katanning	Mar. 4, 1912	33 41.3	117 33	4 21.8W	66 34.2	.23369	EK
Red Hill, A	Mar. 4, 1913	33 44.5	151 04	..	63 12.2	..	EK
	Mar. 6, 1913	..	..	9 21.0E	..	.26249	EK
Red Hill, B	Mar. 3, 1913	33 44.5	151 04	9 22.1E	..	.26234	EK
	Mar. 4, 1913	..	..	9 20.0E	..	.26220	EK
Garden Island	Mar. 28, 1913	33 51.9	151 14	9 35.9E	63 17.0	.26200	EK
Wallaroo	Sep. 19, 1911	33 56.3	137 36	5 49.2E	65 00.1	.26578	ENW
Bridgetown	Feb. 23, 1912	33 57.4	116 09	5 35.2W	66 42.7	.23097	EK
Morgan	Oct. 26, 1911	34 02.5	139 40	6 21.2E	64 57.8	.25077	EK
Mount Hope	Sep. 12, 1911	34 06.3	135 20	4 24.2E	..	.24677	EK
	Sep. 13, 1911	..	..	..	65 23.9	..	EK
Renmark	Oct. 28, 1911	34 10.1	140 45	6 31.3E	65 00.7	.25074	EK
Port Wakefield	Oct. 11, 1911	34 10.6	138 10	..	65 48.9	..	ENW
	Oct. 12, 1911	..	..	5 46.1E	..	.24690	ENW
Mildura	Nov. 1, 1911	34 11.8	142 11	6 43.4E	64 48.0	.25280	EK
Hay	May 20, 1913	34 30.5	144 51	7 41.0E	64 45.2	.25189	EK
Harden	Feb. 24, 1913	34 33.7	148 22	8 53.0E	64 15.4	.25498	EK
Port Lincoln	Sep. 9, 1911	34 42.6	135 48	3 26.0E	66 00.0	.24406	EK
Narrandera	May 17, 1913	34 44.3	146 34	8 23.3E	64 41.4	.25224	EK
Goulburn	Feb. 26, 1913	34 45.8	149 44	9 08.2E	64 19.7	.25440	EK
Adelaide (Botanical Park)	Oct. 18, 1911	34 55.3	138 37	5 35.2E	66 04.8	.24280	ENW
Adelaide (South Park)	Aug. 8, 1911	34 56.2	138 36	5 37.0E	66 05.4	.24319	K&W
Albany	Mar. 1, 1912	35 01.3	117 55	..	67 16.8	..	EK
	Mar. 2, 1912	..	..	5 14.8W	..	.22910	EK
Edithburgh	Oct. 1, 1911	35 05.9	137 46	5 10.4E	66 24.8	.23940	ENW
	Oct. 2, 1911	..	..	5 05.6E	..	..	ENW
Wagga Wagga	Feb. 22, 1913	35 06.2	147 23	8 13.2E	64 57.3	.25027	EK
Murray Bridge	Aug. 4, 1911	35 07.2	139 16	5 36.3E	..	.24091	K&W
Murray Bridge, Secondary	Aug. 4, 1911	35 07.2	139 16	..	66 17.3	..	K&W
Pinnaroo	Oct. 26, 1911	35 15.8	140 55	6 04.1E	65 50.8	.24421	ENW
Mt. Pleasant	Apr. 29, 1913	35 18.0	149 10	9 18.2E	64 48.3	.25150	EK
Mt. Stromlo*	Apr. 28, 1913	35 19.5	149 00	8 47.1E	64 54.2	.25092	EK
Mt. Stromlo (1)*	Apr. 28, 1913	35 19.5	149 00	9 26.7E	..	..	EK
Mt. Stromlo (2)*	Apr. 28, 1913	35 19.5	149 00	9 41.3E	..	..	EK
Swan Hill	Jan. 21, 1913	35 20.2	143 34	7 19.7E	65 43.1	.24570	FWC
Port Victor	Sep. 29, 1911	35 31.8	138 37	5 46.8E	66 36.6	.23753	ENW
Deniliquin	Jan. 27, 1913	35 32.0	144 58	8 02.4E	65 42.9	.24586	FWC
Woomelang	Nov. 2, 1911	35 41.0	142 41	7 03.8E	66 11.5	.24292	EK
Coonalpyn	Aug. 3, 1911	35 41.9	139 53	5 46.6E	66 21.7	.24044	K&W
Hog Bay	Oct. 8, 1911	35 43.2	137 56	5 12.8E	67 01.4	.23459	ENW
Harvey's Return	Oct. 6, 1911	35 43.7	136 39	4 32.8E	66 59.8	.23406	ENW
Moruya	Mar. 17, 1913	35 55.1	150 05	8 10.8E	65 04.5	.25200	EK
Albury	Dec. 15, 1911	36 05.1	146 55	8 30.5E	65 58.4	.24359	EK
Echuca	Jan. 24, 1913	36 06.4	144 44	7 50.7E	66 17.2	.24182	FWC
Cooma	Mar. 12, 1913	36 14.0	149 08	9 24.2E	65 47.2	.24476	EK
Charlton	Jan. 17, 1913	36 16.6	143 22	6 59.0E	66 36.0	.23959	FWC
Border Town	Aug. 2, 1911	36 18.5	140 46	6 26.4E	67 02.9	.23616	K&W
Shepparton	Jan. 30, 1913	36 22.6	145 24	8 15.7E	66 23.9	.24096	FWC
Horsham	Aug. 1, 1911	36 43.0	142 12	7 21.2E	67 08.4	.23555	K&W
Bendigo	Jan. 15, 1913	36 44.4	144 19	7 50.0E	66 52.0	.23699	FWC
Mansfield	Feb. 11, 1913	37 02.9	146 07	8 28.7E	66 55.9	.23658	FWC
Eden	Mar. 14, 1913	37 04.6	149 56	9 57.4E	66 21.3	.24044	EK
Omeo	Feb. 5, 1913	37 06.3	147 36	8 50.9E	66 45.5	.23748	FWC
Ararat	Jul. 31, 1911	37 17.0	142 57	7 26.8E	67 22.2	.23343	K&W
Ballarat	Jan. 2, 1913	37 34.0	143 50	..	67 57.5	..	FWC
	Jan. 3, 1913	..	..	6 50.0E	..	.22998	FWC
Casterton	Dec. 28, 1912	37 35.0	141 25	7 16.0E	..	.22758	FWC
	Dec. 29, 1912	..	..	7 15.9E	68 06.8	.22792	FWC

*Local disturbance.

Station.	Date.	Lat. S.	Long. E.	Declination.	Dip. S.	Horizontal Intensity. C.G.S	Obs'r.
Casterton, Secondary	Dec. 30, 1912	37 35.0	141 25	7 15.9E			FWC
Water's Homestead	Feb. 15, 1913	37 40.0	146 07	8 38.0E	67 28.9	.23268	K&C
Bairnsdale	Feb. 3, 1913	37 49.5	147 39	9 07.6E	67 28.9	.23312	FWC
Melbourne, A	Jul. 19, 1911	37 49.9	144 58	8 05.4E	..	.23094	K&W
	Jul. 21, 1911	..	..	8 04.6E	..	.23108	K&W
	Jul. 21, 1911	..	..	8 07.6E	..	.23087	K&W
	Jul. 22, 1911	..	..	8 07.3E	..	.23101	K&W
	Apr. 4, 1913	..	..	8 03.9E	..	.23099	EK
	Apr. 5, 1913	..	..	8 04.7E	..	.23100	EK
	Apr. 6, 1913	..	..	8 02.3E	..	.23072	EK
	Apr. 6, 1913	..	..	8 05.6E	..	.23090	EK
	Apr. 7, 1913	..	..	8 01.7E	..	.23083	EK
	Apr. 9, 1913	..	..	..	..	.23104	EK
	Apr. 9, 1913	..	..	..	..	.23084	EK
Melbourne, B	Jul. 18, 1911	37 49.9	144 58	8 06.0E	..	.23111	K&W
	Jul. 19, 1911	..	..	8 05.6E	..	.23085	K&W
	Jul. 20, 1911	..	..	8 04.4E	..	.23099	K&W
	Jul. 24, 1911	..	..	8 04.2E	..	.23096	K&W
	Jul. 24, 1911	..	..	8 07.6E	..	.23103	K&W
	Jul. 25, 1911	..	..	8 04.1E	..	.23123	K&W
	Feb. 1, 1912	..	..	..	67 42.7	..	EK
	Feb. 2, 1912	..	..	..	67 43.1	..	EK
	Apr. 4, 1913	..	..	8 05.0E	..	.23096	EK
	Apr. 5, 1913	..	..	8 04.5E	..	.23102	EK
	Apr. 6, 1913	..	..	8 02.5E	..	.23082	EK
	Apr. 6, 1913	..	..	8 05.6E	..	.23102	EK
	Apr. 7, 1913	..	..	8 01.2E	..	.23095	EK
	Apr. 8, 1913	..	..	..	67 42.5	..	EK
Melbourne, Dip Pier	Dec. 11, 1911	37 49.9	144 58	..	67 44.3	..	EK
	Dec. 11, 1911	..	..	..	67 44.7	..	EK
	Dec. 11, 1911	..	..	..	67 44.4	..	EK
	Feb. 1, 1912	..	..	..	67 44.3	..	EK
	Feb. 2, 1912	..	..	..	67 43.1	..	EK
	Apr. 7, 1913	..	..	..	67 43.1	..	EK
	Apr. 8, 1913	..	..	..	67 43.3	..	EK
Melbourne, Earth Inductor Pier	Feb. 2, 1912	37 49.9	144 58	..	67 42.1	..	EK
Geelong	Dec. 17, 1912	38 09.0	144 23	..	68 02.7	..	EK
	Dec. 18, 1912	..	..	7 52.0E	..	.22771	EK
Geelong, Secondary	Dec. 17, 1912	38 09.0	144 23	7 58.2E	..	..	EK
Portland	Dec. 24, 1912	38 20.6	141 37	..	68 44.8	..	FWC
	Dec. 26, 1912	..	..	6 30.2E	..	.22226	FWC
	Dec. 26, 1912	..	..	..	..	.22238	FWC
Portland, Secondary	Dec. 24, 1912	38 20.6	141 37	6 49.0E	..	..	FWC
Warrnambool	Dec. 21, 1912	38 23.6	142 29	7 10.4E	68 30.6	.22378	K&C
Warrnambool, Secondary	Dec. 21, 1912	38 23.6	142 29	7 03.7E	..	..	FWC
Alberton	Jan. 11, 1913	38 37.4	146 40	9 00.7E	68 08.5	.22764	FWC
Beech Forest	Dec. 19, 1912	38 37.5	143 34	..	68 31.4	..	EK
	Dec. 20, 1912	..	..	7 33.4E	..	.22358	EK
Longford	Dec. 22, 1913	41 35.9	147 08	9 22.4E	..	.20610	EK
	Dec. 23, 1913	..	..	..	70 40.0	..	EK
Dee Bridge	Dec. 26, 1913	42 17.8	146 40	8 47.2E	71 21.8	.20091	EK
Sorell	Dec. 30, 1913	42 47.6	147 33	9 46.5E	71 22.2	.20090	EK
Hobart, A*	Nov. 13, 1911	42 52.0	147 22	7 46.8E	..	.19597	JMB
	Nov. 14, 1911	..	..	7 38.8E	..	.19576	JMB
	Nov. 15, 1911	..	..	..	71 53.1	..	EK
	Nov. 15, 1911	..	..	..	71 53.1	..	EK
	Nov. 16, 1911	..	..	..	71 53.9	..	EK
	Nov. 17, 1911	..	..	7 45.1E	71 53.9	..	K&W
	Nov. 17, 1911	..	..	7 43.7E	71 53.5	..	K&W
	Nov. 18, 1911	..	..	7 44.2E	..	.19590	JMB
	Nov. 20, 1911	..	..	..	..	.19594	EK
	Nov. 20, 1911	..	..	..	..	.19594	ENW

*Local disturbance.

Station.	Date.	Lat. S.	Long. E.	Declination.	Dip. S.	Horizontal Intensity.	Obs'r.
						C.G.S	
Hobart, A*	Nov. 20, 1911	..	..	..	..	.19606	W&K
	Nov. 21, 1911	..	..	..	..	.19590	EK
	Nov. 21, 1911	..	..	..	..	.19610	W&K
Hobart, B*	Nov. 13, 1911	42 52.0	147 22	6 45.2E	..	.19268	ENW
	Nov. 14, 1911	..	..	6 37.6E	..	.19260	ENW
	Nov. 15, 1911	..	..	..	72 17.8	..	ENW
	Nov. 15, 1911	..	..	..	72 17.4	..	ENW
	Nov. 16, 1911	..	..	..	72 19.4	..	ENW
	Nov. 18, 1911	..	..	6 42.4E	..	.19274	ENW
Hobart, C*	Nov. 13, 1911	42 52.0	147 22	8 26.2E	..	.19760	EK
	Nov. 14, 1911	..	..	8 18.0E	..	.19756	EK
	Nov. 18, 1911	..	..	8 23.0E	..	.19763	EK
Thursday Island, A	Nov. 12 1915	10 34.9	142 12	4 56.9E	33 27.7	.36780	WCP
Cape Croker	Aug. 12, 1914	10 58.4	132 32	..	35 23.3	..	FB
	Aug. 13, 1914	..	..	3 42.2E	..	.36721	FB
Cape Wessel	Aug. 30, 1914	11 00.7	136 45	4 08.4E	34 51.4	.36698	FB
Cape Wessel, Secondary	Aug. 30, 1914	11 00.7	136 45	4 07.1E	..	..	FB
Piper Head	May 6, 1914	11 16.3	130 23	3 10.1E	36 08.3	.36590	FB
Brenton Bay	Sep. 13, 1914	11 18.4	131 13	..	36 06.3	..	FB
	Sep. 14, 1914	..	..	3 26.7E	..	.36643	FB
Cape Cockburn	Aug. 17, 1914	11 20.4	132 52	3 58.7E	36 01.2	.36540	FB
Bowen Straits Aboriginal Stn.	Sep. 11, 1914	11 20.6	132 33	3 47.6E	36 09.9	.36592	FB
	Sep. 11, 1914	..	..	..	..	.36578	FB
Victoria	Aug. 10, 1914	11 22.5	132 08	3 27.6E	36 23.7	.36566	FB
Bynoe	May 9, 1914	11 45.3	130 40	..	37 02.2	..	FB
	May 10, 1914	..	..	3 24.8E	..	.36341	FB
Mission Station, Bathurst Island	May 4, 1914	11 45.5	130 39	3 27.4E	37 01.5	.36340	FB
Bromby's Islands	Sep. 2, 1914	11 51.9	136 34	4 10.1E	36 24.2	.36476	FB
Bromby's Islands, Secondary	Sep. 2, 1914	11 51.9	136 34	4 08.3E	..	..	FB
Alger Island	Sep. 6, 1914	11 53.6	135 57	4 06.6E	36 37.4	.36472	FB
	Sep. 6, 1914	..	..	..	..	.36470	FB
Twenty Mile Landing	Aug. 20, 1914	11 54.7	133 24	3 43.0E	36 53.0	.36444	FB
Cape Hotham	Jul. 16, 1914	12 04.0	131 16	3 22.6E	37 24.5	.36346	FB
Cadell's Landing	Aug. 22, 1914	12 06.3	134 11	3 52.0E	37 07.5	.36416	FB
Cadell's Landing, Secondary	Aug. 22, 1914	12 06.3	134 11	3 50.8E	..	..	FB
Connell's Creek	Jul. 31, 1914	12 17.4	131 32	..	37 51.2	..	FB
	Aug. 1, 1914	..	..	3 28.4E	..	.36180	FB
Goyder River	Aug. 25, 1914	12 18.7	135 13	3 59.2E	37 20.6	.36308	FB
	Aug. 25, 1914	..	..	..	..	.36329	FB
Goyder River, Secondary	Aug. 25, 1914	12 18.7	135 13	4 02.0E	..	..	FB
Oenpelli	Jul. 25, 1914	12 19.8	133 02	3 49.6E	37 31.6	.36587	FB
	Jul. 26, 1914	..	..	3 49.4E	..	.36600	FB
Oenpelli, Secondary	Jul. 26, 1914	12 19.8	133 02	3 44.9E	..	..	FB
Cahill's Landing	Jul. 24, 1914	12 21.4	132 57	..	..	.36246	FB
	Jul. 27, 1914	..	..	3 51.4E	37 34.9	.36253	FB
Point Charles Lighthouse	Oct. 3, 1914	12 23.4	130 39	..	38 05.2	..	FB
	Oct. 4, 1914	..	..	3 25.4E	..	.36212	FB
	Oct. 6, 1914	..	..	..	38 03.3	..	FB
Point Charles Lighthouse, Secondary	Oct. 3, 1914	12 23.4	130 39	3 27.1E	..	..	FB
Arnhem Bay	Sep. 4, 1914	12 26.6	136 03	4 08.0E	37 25.6	.36300	FB
Darwin	May 19, 1914	12 26.7	130 50	3 25.2E	38 11.4	.36178	FB
Batchelor	May 14, 1914	13 03.6	131 03	3 30.4E	..	.35870	FB
	May 15, 1914	..	..	..	39 06.6	..	FB
Pine Creek (Playford)	Apr. 28, 1914	13 49.6	131 51	3 34.0E	40 07.4	.35757	FB
Pine Creek, B	Apr. 29, 1914	13 49.6	131 51	3 33.6E	40 10.2	.35772	FB

*Local disturbance.

Station.	Date.	Lat. S.	Long. E.	Declination	Dip. S.	Horizontal Intensity. C.G.S	Obs'r.
Katherine River .	Apr. 25, 1914	14 26.1	132 17	3 41.8E	41 14.1	.35508	FB
Mission Station, Roper River . .	Jun. 8, 1914	14 44.9	134 50	4 02.5E	41 21.0	.35624	FB
Port George IV. .	Sep. 24, 1914	15 21.1	124 43	2 18.8E	..	.34792	WCP
	Sep. 26, 1914	..	..	..	43 34.4	..	WCP
Victoria River . .	Apr. 8, 1914	15 24.5	130 02	3 08.0E	43 03.0	.35099	FB
Six Mile Hotel . .	Sep. 20, 1914	15 29.8	128 08	2 59.2E	..	.34868	EK
	Sep. 21, 1914	..	..	..	43 29.5	..	EK
Sir Edward Pellew Islands	Jun. 23, 1914	15 35.1	136 43	4 20.7E	42 21.7	.35319	FB
Depot, Victoria River	Apr. 13, 1914	15 37.0	130 27	3 18.0E	43 25.2	.34964	FB
Timber Creek . .	Apr. 14, 1914	15 38.1	130 29	3 19.1E	43 26.0	.34929	FB
Delamere	Apr. 19, 1914	15 44.1	131 32	3 30.9E	43 18.8	.35025	FB
Cheese Tin . . .	Sep. 17, 1914	15 49.8	128 20	2 54.5E	43 56.1	.34800	EK
Montgomery Islands	Sep. 29, 1914	15 53.7	124 18	2 14.4E	44 39.0	.34404	WCP
Black Rocks . .	Jun. 22, 1914	15 56.4	136 31	4 16.4E	43 04.6	.35151	FB
Five Mile Bar . .	Jun. 17, 1914	16 00.2	136 24	4 16.6E	43 09.3	.35107	FB
Borroloola	Jun. 13, 1914	16 04.2	136 22	4 17.1E	..	.35066	FB
	Jun. 14, 1914	..	..	..	43 17.1	..	FB
Ryan's Bend . . .	Jun. 15, 1914	16 08.2	136 08	4 13.0E	43 29.6	.34982	FB
Wild Dog Spring .	Sep. 15, 1914	16 14.1	128 21	2 55.0E	44 28.5	.34598	EK
Sunday Island . .	Oct. 4, 1914	16 24.5	123 12	2 05.6E	45 28.7	.34121	WCP
Bow Creek . . .	Sep. 13, 1914	16 39.8	128 12	2 44.1E	45 14.6	.34452	EK
Turkey Creek . .	Sep. 11, 1914	17 01.9	128 13	2 06.2E	45 50.3	.34481	EK
Derby	Sep. 9, 1914	17 17.8	123 38	2 08.5E	..	.33787	WCP
	Sep. 10, 1914	..	..	..	46 43.4	..	WCP
Fourteen-mile Creek	Sep. 7, 1914	17 44.8	127 52	2 45.7E	46 45.4	.33897	EK
Rosie's Creek . .	Sep. 5, 1914	17 47.3	127 48	2 41.7E	46 56.3	.33876	EK
Broome, B . . .	Oct. 12, 1914	17 58.1	122 13	1 56.4E	..	..	WCP
Broome, A . . .	Sep. 7, 1914	17 58.4	122 13	1 49.7E	47 59.0	.33260	WCP
Moola Bulla . . .	Sep. 2, 1914	18 11.8	127 28	2 31.2E	47 42.4	.33598	EK
Hall's Creek . . .	Aug. 25, 1914	18 15.3	127 46	2 24.1E	47 37.9	.33546	EK
Flora Valley . . .	Aug. 18, 1914	18 16.0	127 59	2 31.2E	48 01.7	.33580	EK
Cow Creek	Aug. 14, 1914	18 38.5	128 22	..	48 15.3	..	EK
	Aug. 15, 1914	..	..	2 52.3E	..	.33428	EK
Sturt Creek . . .	Aug. 12, 1914	19 08.2	128 13	2 47.3E	48 45.8	.33220	EK
Wolf Creek . . .	Aug. 10, 1914	19 22.3	127 48	2 35.4E	49 12.1	.33047	EK
Cutharra Pool . .	Aug. 7, 1914	19 43.5	127 34	2 33.6E	49 49.7	.32730	EK
Lungan Pool . . .	Aug. 5, 1914	20 01.4	127 26	2 34.7E	50 12.7	.32614	EK
Well No. 50 . . .	Aug. 3, 1914	20 12.8	127 01	2 36.6E	50 31.5	.32457	EK
Well No. 48 . . .	Jul. 31, 1914	20 15.2	126 35	2 13.6E	50 51.7	.32106	EK
Port Hedland . .	Aug. 31, 1914	20 18.7	118 35	0 22.6E	51 40.8	.31742	WCP
Kuduarra	Jul. 29, 1914	20 38.4	126 20	2 16.8E	51 07.1	.32280	EK
Ballaballa . . .	Sep. 3, 1914	20 41.4	117 49	0 17.8E	52 21.0	.31346	WCP
Pijallinga Claypan	Jul. 27, 1914	20 54.5	126 10	2 11.8E	51 26.5	.32127	EK
Marble Bar . . .	Aug. 27, 1914	21 11.4	119 44	1 33.4E	52 40.5	.31482	WCP
Billowaggi . . .	Jul. 24, 1914	21 13.8	125 59	..	51 52.0	..	EK
	Jul. 25, 1914	..	..	2 03.8E	..	.32000	EK
Guli	Jul. 23, 1914	21 19.5	125 53	..	52 05.7	..	EK
	Jul. 24, 1914	..	..	2 02.7E	..	.31938	EK
Wadawalla	Jul. 21, 1914	21 40.3	125 47	1 58.8E	52 31.9	.31702	EK
Nullagine	Aug. 20, 1914	21 53.0	120 07	0 49.2E	53 34.8	.30823	WCP
Wardabunna . . .	Jul. 19, 1914	21 57.8	125 31	1 53.7E	52 53.3	.31538	EK
Wanda	Jul. 16, 1914	22 08.4	125 15	..	53 09.0	..	EK
	Jul. 17, 1914	..	..	1 51.9E	..	.31436	EK
Spinifex Camp . .	Jul. 14, 1914	22 18.2	124 47	1 55.5E	53 24.4	.31320	EK
Well No. 31 . . .	Jul. 11, 1914	22 31.7	124 21	..	53 57.9	..	EK
	Jul. 12, 1914	..	..	1 32.4E	..	.31088	EK
Well No. 29 . . .	Jul. 9, 1914	22 33.4	123 48	1 27.6E	53 51.3	.31124	EK
Well No. 27 . . .	Jul. 7, 1914	22 47.8	123 34	..	54 17.6	..	EK
	Jul. 8, 1914	..	..	0 55.2E	..	.31014	EK
Ethel Creek . . .	Aug. 17, 1914	22 54.5	120 10	0 23.2E	55 10.5	.30168	WCP
Karara Soaks . .	Jul. 5, 1914	23 06.8	123 18	0 52.3E	55 10.6	.30365	EK
Well No. 21 . . .	Jul. 2, 1914	23 10.8	122 44	1 09.7E	54 47.1	.30535	EK
Rockhampton . .	Mar. 25, 1914	23 22.0	150 30	8 03.4E	51 12.2	.32525	FB
Well No. 19 . . .	Jun. 30, 1914	23 25.2	122 28	..	55 12.3	..	EK
	Jul. 1, 1914	..	..	1 10.4E	..	.30313	EK
Water No. 17 . .	Jun. 28, 1914	23 43.5	122 27	0 50.0E	55 34.5	.30160	EK

Station.	Date.	Lat. S.	Long. E.	Declination	Dip. S.	Horizontal Intensity.	Obs'r.
						C.G.S	
Mundawindi . . .	Aug. 16, 1914	23 53.4	120 10	0 07.6E	56 10.2	.29651	WCP
Well No. 15 . . .	Jun. 25, 1914	24 08.4	122 10	..	56 09.3	..	EK
	Jun. 26, 1914	..	..	0 51.5E	..	.30006	EK
Well No. 13 . . .	Jun. 23, 1914	24 25.5	121 57	..	56 48.5	..	EK
	Jun. 24, 1914	..	..	0 39.6E	..	.29585	EK
Goodwin Soak . .	Jun. 21, 1914	24 44.6	121 43	0 33.6E	57 13.6	.29092	EK
Bald Hill	Aug. 14, 1914	24 49.5	119 36	0 20.8W	57 05.5	.29617	WCP
Carnarvon	Dec. 13, 1914	24 53.2	113 39	2 22.1W	58 01.8	.28275	FB
Weld Spring . . .	Jun. 18, 1914	25 01.2	121 33	0 43.2E	57 05.9	.29511	EK
Well No. 7 . . .	Jun. 16, 1914	25 09.7	121 17	0 11.4E	57 09.7	.29439	EK
Well No. 5 . . .	Jun. 14, 1914	25 22.8	121 01	..	51 46.2	..	EK
	Jun. 15, 1914	..	..	0 22.1W	..	.28916	EK
Well No. 4 . . .	Jun. 11, 1914	25 37.2	120 33	0 21.0E	57 24.3	.29335	EK
Peak Hill	Aug. 12, 1914	25 37.6	118 44	..	58 02.1	..	WCP
	Aug. 13, 1914	..	..	0 10.8W	..	.28600	WCP
Birdsville	Jun. 9, 1914	25 54.3	139 21	5 20.4E	..	.30286	ALK
	Jun. 10, 1914	..	..	..	56 09.5	..	ALK
Water No. 2A . .	Jun. 8, 1914	26 00.9	120 20	0 29.8W	58 40.5	.28489	EK
Miranda	Jun. 6, 1914	26 03.9	139 52	5 28.0E	56 20.7	.30206	ALK
Cadelga	Jun. 3, 1914	26 05.5	140 24	5 37.4E	56 20.7	.30148	ALK
Cart Hole Waterhole		..	..	..	..	..	
	Jun. 12, 1914	26 20.9	139 15	5 17.2E	56 49.7	.29962	ALK
Haddon Downs .	May 31, 1914	26 21.0	140 50	5 42.4E	56 32.8	.30092	ALK
Kookabubba Well .	Jun. 6, 1914	26 21.2	120 18	0 34.4W	58 54.3	.28312	EK
Wiluna	Jun. 3, 1914	26 34.7	120 14	0 25.6W	59 01.0	.28187	EK
Meekatharra . . .	Aug. 11, 1914	26 35.2	118 30	1 06.8W	59 02.4	.28058	WCP
Cordillo Downs .	May 27, 1914	26 42.9	140 38	5 42.5E	..	.29844	ALK
	May 28, 1914	..	..	..	57 02.3	..	ALK
Abercromby Well .	May 31, 1914	26 51.6	120 20	0 32.7W	59 31.1	.28008	EK
Moorilyanna . . .	Sep. 25, 1914	26 52.2	133 01	3 19.6E	..	.29121	GFD
	Oct. 1, 1914	..	..	..	58 22.4	..	GFD
Moorilyanna, Secondary . . .	Oct. 1, 1914	26 52.5	133 01	3 44.2E	..	.28678	GFD
	Oct. 2, 1914	..	..	..	58 51.0	..	GFD
Goyder's Lagoon .	Jun. 15, 1914	26 56.7	138 57	5 14.4E	..	.29598	ALK
	Jun. 16, 1914	..	..	..	57 27.1	..	ALK
Wantapella . . .	Sep. 17, 1914	27 00.9	133 28	3 31.4E	..	.29184	GFD
	Oct. 10, 1914	..	..	..	58 14.5	..	GFD
Todmorden . . .	Sep. 7, 1914	27 08.5	134 45	4 01.1E	..	.29243	GFD
	Sep. 8, 1914	..	..	..	58 09.4	..	GFD
Logan Well . . .	May 29, 1914	27 15.7	120 28	..	59 52.3	..	EK
	May 30, 1914	..	..	0 33.8W	..	.27759	EK
Musgrave Range .	Sep. 10, to Nov. 1, 1914	27 16 determinations with	134 01 compass.)	3 41 E	(Mean of 20	..	GFD
Mount Gason Bore	Jun. 18, 1914	27 20.2	138 45	5 15.8E	..	.29342	ALK
	Jun. 19, 1914	..	..	..	57 58.0	..	ALK
Patchawarra Well, 1	May 16, 1914	27 20.9	140 41	5 51.4E	..	.29336	ALK
Patchawarra Well, 2	May 20, 1914	27 20.9	140 41	5 52.6E	..	.29366	ALK
	May 21, 1914	..	..	..	57 50.5	..	ALK
Cue	Aug. 8, 1914	27 25.6	117 53	1 38.2W	60 22.9	.27257	WCP
Brisbane	Mar. 23, 1914	27 27.0	153 02	9 04.3E	56 07.9	.30146	FB
Marble Well . . .	Oct. 16, 1914	27 33.1	134 00	4 23.6E	..	..	GFD
Stanley's Well . .	Oct. 22, 1914	27 42.6	134 07	..	58 44.5	..	GFD
	Oct. 23, 1914	..	..	3 28.8E	..	.28870	GFD
Lake Miranda . .	May 27, 1914	27 43.2	120 33	0 52.0W	60 03.5	.27799	EK
Mirra-mitta Bore .	Jun. 21, 1914	27 43.7	138 44	5 06.0E	58 26.0	.29048	ALK
Innamincka, 1 . .	May 5, 1914	27 45.5	140 44	5 53.3E	58 16.6	.29180	ALK
	May 6, 1914	..	..	..	58 13.5	..	ALK
Innamincka, 2 . .	May 12, 1914	27 45.7	140 44	5 53.8E	..	.29194	ALK
Christlieb Well . .	Oct. 27, 1914	27 57.2	134 46	4 17.4E	..	.28700	GFD
Lawlers	May 25, 1914	28 05.2	120 30	0 19.8W	61 08.8	.27185	EK
Raspberry Creek Bore	Oct. 30, 1914	.. 28 08.2	.. 135 05	.. 3 43.6E	.. 59 26.0	.28546	GFD
Nappacoongie Well	May 2, 1914	28 11.8	140 30	5 48.4E	58 47.0	.28920	ALK
Nilpinna	Nov. 3, 1914	28 13.1	135 42	4 07.4E	..	.28391	GFD
	Nov. 4, 1914	..	..	..	59 47.6	..	GFD
Ooroowilanie Reservoir . . .	Jun. 24, 1914	28 17.0	138 40	5 08.5E	59 03.6	.28748	ALK
Bunbenoo, A . .	Oct. 14, 1916	28 17.0	115 54	2 38.7W	62 02.1	.26202	W&P

Station.	Date.	Lat. S.	Long. E.	Declination	Dip. S.	Horizontal Intensity. C.G.S	Obs'r.
Bunbenoo, A . . .	Oct. 16, 1916	..	..	..	62 01.2	..	W&P
Bunbenoo, B . .	Oct. 16, 1916	28 17.1	115 54	2 55.9W	61 51.0	..	W&P
Bunbenoo, C . .	Oct. 16, 1916	28 17.1	115 54	2 41.4W	61 50.4	..	W&P
Tallering, A . . .	Oct. 11, 1916	28 19.9	115 49	2 41.8W	62 01.6	.26258	W&P
Tallering, B . . .	Oct. 12, 1916	28 20.0	115 49	2 59.9W	61 50.0	.26342	W&P
Tallering, C . . .	Oct. 13, 1916	28 20.0	115 49	2 34.3W	61 42.8	.26378	W&P
Warren's Flat, A .	Oct. 17, 1916	28 20.0	115 47	2 27.2W	61 50.1	.26432	W&P
	Oct. 18, 1916	..	..	..	61 50.9	..	W&P
Warren's Flat, B .	Oct. 18, 1916	28 20.1	115 47	2 36.7W	61 53.9	..	W&P
Warren's Flat, C .	Oct. 18, 1916	28 20.1	115 47	2 32.5W	61 58.2	..	W&P
Tallering (Sand-plain), A . . .	Oct. 19, 1916	28 21.1	115 48	2 36.9W	61 46.4	.26538	W&P
	Oct. 20, 1916	..	..	..	61 45.4	..	W&P
Tallering (Sand-plain), B . . .	Oct. 20, 1916	28 21.2	115 48	2 23.4W	62 08.1	..	W&P
Tallering (Sand-plain), C . . .	Oct. 20, 1916	28 21.2	115 48	2 06.4W	61 43.5	..	W&P
Woondenooka, A .	Oct. 23, 1916	28 24.5	115 29	3 49.3W	61 43.8	.26459	W&P
Woondenooka, B .	Oct. 23, 1916	28 24.6	115 29	3 45.5W	61 48.2	..	W&P
Woondenooka, C .	Oct. 23, 1916	28 24.6	115 29	3 44.2W	61 48.2	..	W&P
Pindar, B	Sep. 15, 1916	28 28.2	115 45	3 07.4W	61 50.1	.26408	W&P
Pindar, D	Sep. 18, 1916	28 28.2	115 45	3 12.8W	61 51.2	.26452	W&P
	Sep. 18, 1916	..	..	3 09.8W	..	..	W&P
Pindar, A	Sep. 14, 1916	28 28.3	115 45	3 07.4	61 49.8	.26442	W&P
Pindar, C	Sep. 16, 1916	28 28.3	115 45	3 10.0W	61 50.9	.26450	W&P
Pindar, E	Sep. 19, 1916	28 29.6	115 48	3 04.0W	61 54.6	.26272	W&P
Pindar, G	Sep. 21, 1916	28 29.6	115 48	2 34.7W	62 01.8	.26232	W&P
Pindar, F	Sep. 20, 1916	28 29.7	115 48	2 56.5W	61 56.2	.26242	W&P
Mullewa, A . . .	Oct. 24, 1916	28 32.0	115 30	3 29.5W	62 00.5	..	W&P
Mullewa, B . . .	Oct. 24, 1916	28 32.1	115 30	3 26.9W	61 59.4	..	W&P
Mullewa, C . . .	Oct. 24, 1916	28 32.1	115 30	3 31.2W	62 04.8	..	W&P
Murta Murta Well	Apr. 29, 1914	28 36.7	140 17	5 42.8E	..	.28667	ALK
	Apr. 30, 1914	..	..	..	59 15.2	..	ALK
Etadunna	Jun. 27, 1914	28 43.1	138 38	5 23.2E	59 28.9	.28484	ALK
Leonora	May 20, 1914	28 52.0	121 18	0 30.0W	61 32.9	.26811	EK
Dromedary Hill .	Aug. 6, 1914	29 02.1	118 27	1 40.9W	62 11.2	.25961	WCP
Carraweena . . .	Apr. 26, 1914	29 11.0	139 59	5 43.2E	..	.28336	ALK
	Apr. 27, 1914	..	..	..	59 57.8	..	ALK
Clayton Bore . . .	Jun. 30, 1914	29 16.8	138 23	5 16.8E	60 02.7	.28282	ALK
Murnpeowie . . .	Apr. 19, 1914	29 35.3	139 03	5 31.3E	60 20.2	.28048	ALK
Mount Hopeless Bore	Apr. 23, 1914	29 36.4	139 45	5 26.2E	..	.28050	ALK
	Apr. 24, 1914	..	..	..	60 17.7	..	ALK
Hergott Springs .	Jul. 5, 1914	29 39.4	138 03	5 11.5E	60 33.2	.27934	ALK
Pinjarrega, B . .	Nov. 15, 1916	30 02.5	115 57	4 09.5W	63 21.8	.25356	W&P
Pinjarrega, C . .	Nov. 17, 1916	30 02.5	115 57	4 03.2W	63 20.9	.25321	W&P
Farina, A	Apr. 9, 1914	30 04.4	138 17	5 52.0E	61 01.4	.27632	ALK
	Apr. 10, 1914	..	..	..	61 01.5	..	ALK
Marchagee, A . .	Nov. 9, 1916	30 05.1	115 56	4 20.8W	63 24.8	.25317	W&P
	Nov. 10, 1916	..	..	..	63 23.0		W&P
Marchagee, D . .	Nov. 10, 1916	30 05.1	115 56	4 16.2W	63 26.8		W&P
	Nov. 11, 1916	..	..	..	..	.25326	W&P
Marchagee, B . .	Nov. 10, 1916	30 05.2	115 56	4 16.0W	63 23.4	..	W&P
	Nov. 11, 1916	..	..	..	..	.25330	W&P
Marchagee, C . .	Nov. 10, 1916	30 05.2	115 56	4 17.8W	63 25.8	..	W&P
	Nov. 11, 1916	..	..	..	..	.25334	W&P
Mount Lyndhurst .	Apr. 15, 1914	30 11.0	138 42	5 32.9E	61 02.2	.27534	ALK
Watheroo, A . . .	Dec. 20, 1916	30 17.8	116 03	4 10.1W	64 01.3	.25100	W&P
Watheroo, Observatory Site, B . .	Feb. 10, 1917	30 18.9	115 53	4 23.8W	63 43.2	.25052	W&P
Watheroo, Observatory Site, C .	Feb. 12, 1917	30 19.0	115 53	4 21.7W	63 42.2	.25082	W&P
Watheroo, Observatory Site, D .	Feb. 13, 1917	30 19.0	115 53	4 25.7W	63 42.0	.25074	W&P
Managum Well, A	Feb. 5, 1917	30 20.6	115 58	4 57.7W	63 49.7	.24998	W&P
	Feb. 9, 1917	..	..	..	63 53.8	..	W&P
Managum Well, B	Feb. 9, 1917	30 20.6	115 58	4 51.2W	63 52.2	..	W&P
Managum Well, C	Feb. 9, 1917	30 20.6	115 58	5 06.3W	63 52.5	..	W&P
Rabbit-proof Fence No. 3	Aug. 4, 1914	30 23.4	118 32	2 34.6W	63 21.4	.25528	WCP

Station.	Date.	Lat. S.	Long. E.	Declination.	Dip. S.	Horizontal Intensity. C.G.S	Obs'r.
Carnding Well . .	Sep. 12, 1914	30 27.4	134 13	4 07.6E	..	.26680	ALK
	Sep. 13, 1914	..	..	..	62 10.8	..	ALK
Ooldea Bore . . .	Sep. 23, 1914	30 27.9	131 50	3 07.2E	..	.26782	ALK
	Sep. 24, 1914	..	..	..	62 16.6	..	ALK
Yallalie Well . . .	Jan. 27, 1917	30 28.2	115 47	4 11.8W	63 53.8	.24928	W&P
Bore A	Sep. 25, 1914	30 30.2	131 25	2 56.0E	62 04.9	.26874	ALK
Green's Well . . .	Jan. 25, 1917	30 31.5	115 44	4 06.5W	63 55.0	.24886	W&P
Bench Mark, 56½	Sep. 19, 1914	30 32.8	132 46	3 00.4E	61 44.6	.27210	ALK
Wynbring Rock Hole	Sep. 16, 1914	30 33.7	133 39	3 45.8E	63 04.7	.26448	ALK
Bore B	Sep. 26, 1914	30 34.1	130 55	2 27.0E	62 11.8	.26850	ALK
Karamara, 4N . .	Jul. 14, 1916	30 37.9	115 52	..	63 57.7	..	P&R
Karamara, 6N . .	Jul. 14, 1916	30 37.9	115 52	..	63 58.6	..	P&R
Moora	Jul. 22, 1914	30 38.0	115 59	4 40.9W	63 52.8	.25016	WCP
Karamara, A . .	Jul. 14, 1916	30 38.0	115 52	..	..	.24875	P&R
Karamara, 2N . .	Jul. 14, 1916	30 38.0	115 52	..	63 58.9	..	P&R
Karamara, 2S . .	Jul. 14, 1916	30 38.0	115 52	..	63 57.7	..	P&R
Karamara, 4S . .	Jul. 14, 1916	30 38.1	115 52	..	63 59.7	..	P&R
Karamara, 6S . .	Jul. 14, 1916	30 38.1	115 52	..	63 58.5	..	P&R
Tarcoola	Sep. 8, 1914	30 41.8	134 34	4 04.8E	62 09.4	.26544	ALK
Gilbert's Well . .	Sep. 5, 1914	30 51.4	135 06	..	62 08.8	..	ALK
	Sep. 6, 1914	..	..	3 36.2E	62 09.5	.26796	ALK
Wongan Hills, A .	Jul. 29, 1916	30 53.6	116 43	3 40.0W	64 12.8	.24908	WCP
	Sep. 9, 1916	..	..	3 37.8W	64 14.4	.24881	W&P
Wongan Hills, A, Secondary . . .	Jul. 29, 1916	30 53.6	116 43	3 35.7W	..	..	WCP
Wongan Hills, B .	Sep. 10, 1916	30 53.6	116 43	1 50.1W	64 07.0	.24897	W&P
Wongan Hills, C .	Sep. 11, 1916	30 53.6	116 43	3 36.6W	64 06.4	.24990	W&P
	Sep. 11, 1916	..	..	3 31.9W	..	..	W&P
Coolgardie	May 9, 1914	30 57.2	121 11	1 33.6W	63 32.5	.25522	EK
McArthur's Well .	Sep. 3, 1914	31 01.4	135 43	4 15.5E	62 30.9	.26732	ALK
Nealyon's Rockhole	Oct. 1, 1914	31 07.0	131 17	3 15.0E	62 50.0	.26353	ALK
Wirraminna . . .	Sep. 1, 1914	31 10.9	136 16	4 20.7E	62 40.6	.26560	ALK
East-West Railway Siding	Aug. 27, 1914	31 16	136 47	4 28.1E	..	.26729	ALK
	Aug. 28, 1914	..	..	4 27.6E	62 31.2	.26716	ALK
Burracoppin, D .	Aug. 31, 1916	31 21.0	118 33	2 05.2W	64 25.1	.24850	WCP
Burracoppin, B .	Aug. 29, 1916	31 21.1	118 33	2 21.0W	64 49.3	.24483	W&P
Burracoppin, C .	Aug. 30, 1916	31 21.2	118 33	2 36.4W	64 43.2	.24447	W&P
Burracoppin, A .	Aug. 26, 1916	31 24.4	118 31	2 00.2W	64 24.7	.24876	W&P
Mallabie Tanks . .	Oct. 4, 1914	31 27.8	130 39	2 04.2E	..	.25917	ALK
	Oct. 5, 1914	..	..	..	63 38.1	..	ALK
Yangoonabie . . .	Oct. 6, 1914	31 28.5	130 05	2 02.8E	63 46.8	.25826	ALK
Merredin, A . . .	Sep. 2, 1916	31 28.6	118 17	3 28.2W	64 32.6	.24810	W&P
Merredin, B . . .	Sep. 4, 1916	31 28.6	118 17	3 05.4W	64 58.0	.24448	W&P
Bunabie	Oct. 8, 1914	31 31.2	129 22	1 48.7E	..	.26018	ALK
	Oct. 9, 1914	..	..	..	63 17.7	..	ALK
Rabbit-proof Fence 2	Aug. 2, 1914	31 39.0	118 42	2 56.2W	64 58.5	.24640	WCP
Eucla	Jun. 12, 1914	31 43.3	128 53	1 43.7E	63 37.6	.25832	WCP
	Jun. 14, 1914	..	..	1 41.4E	..	.25840	WCP
	Jun. 14, 1914	..	..	1 39.6E	..	..	WCP
	Oct. 31, 1914	..	..	1 48.6E	63 35.2	.25836	ALK
Madura	Jun. 17, 1914	31 54.2	127 02	2 01.0E	64 00.6	.25410	WCP
Bookooloo	Aug 23, 1914	31 54.2	137 22	4 45.8E	63 18.4	.26101	ALK
Perth	Apr. 6, 1914	31 58.0	115 50	4 43.0W	65 06.8	..	WCP
	Apr. 8, 1914	..	..	..	..	.24244	WCP
	Apr. 13, 1914	..	..	4 41.6W	65 03.1	.24239	EK
	Jun. 13, 1916	..	..	4 41.8W	..	.24152	WCP
	Jun. 15, 1916	..	..	4 45.1W	..	..	WCP
Cottesloe, A . . .	Nov. 18, to Nov. 25, 1914	31 59.0	115 45	4 43.8W	..	.24230	EK
	Nov. 26, to Dec. 5, 1914	..	..	..	65 03.6	..	K&B
	Jun. 30, 1916	..	..	4 44.0W	..	.24138	WCP
	July 1, 1916	..	..	4 42.2W	..	..	WCP
	July 6, 1916	..	..	..	65 11.1	..	WCP
	Aug. 16, 1916	..	..	4 45.6W	..	..	WCP
	Oct. 2, 1916	..	..	4 48.4W	..	..	WCP
	Nov. 16, 1916	..	..	4 46.5W	..	..	WCP

Station.	Date.	Lat. S.	Long. E.	Declination.	Dip. S.	Horizontal Intensity. C.G.S	Obs'r.
Cottesloe, B . . .	Nov. 18, to Nov. 25, 1914	31 59.0	115 45	4 42.6W	..	.24226	WCP
	Nov. 26, to Dec. 5, 1914	..	..	..	65 03.4	..	WCP
Cottesloe, C . . .	Nov. 18, to Nov. 25, 1914	31 59.0	115 45	4 42.6W	..	.24227	B&K
Rottnest Island .	Apr. 14, 1914	32 00.2	115 33	4 47.6W	65 27.3	.24164	WCP
Norseman	Jun. 25, 1914	32 12.2	121 48	4 34.6W	64 47.7	.24692	WCP
Cardanumbi . . .	Jun. 8, 1914	32 16.3	125 38	0 12.5E	64 36.2	.25040	WCP
Balladonia	Jun. 6, 1914	32 28.4	123 53	0 22.7W	65 08.6	.24533	WCP
	Jun. 20, 1914	..	..	..	65 04.2	..	WCP
Port Augusta . .	Aug. 6, 1914	32 29.7	137 46	4 48.7E	..	.25607	ALK
	Aug. 7, 1914	..	..	4 53.7E	64 07.0	.25605	ALK
Wilmington . . .	Sep. 2, 1916	32 39.3	138 05	..	64 08.6	..	GFD
	Sep. 5, 1916	..	..	5 43.8E	..	.25614	GFD
Melrose	Sep. 12, 1916	32 48.4	138 12	..	64 03.2	..	GFD
	Sep. 13, 1916	..	..	5 47.0E	..	.25618	GFD
Booleroo Centre .	Sep. 20, 1916	32 53.0	138 21	..	63 58.4	..	GFD
	Sep. 21, 1916	..	..	5 40.8E	..	.25686	GFD
	Sep. 23, 1916	..	..	5 41.5E	..	.25637	GFD
Rabbit-proof Fence, 1 . . .	May 21, 1914	32 54.0	119 48	..	65 48.4	..	WCP
	May 22, 1914	..	..	2 25.4W	..	.23978	WCP
Bunbury	Apr. 25, 1914	33 19.5	115 38	5 41.8W	66 11.5	.23404	WCP
Israelite Bay . .	May 30, 1914	33 36.4	123 48	..	66 00.8	.24066	WCP
Red Hill, A . . .	May 26, 1916	33 44.5	151 04	..	63 17.8	..	WCP
	May 27, 1916	..	..	9 13.8E	..	.26117	WCP
Red Hill, B . . .	Jan. 12, 1915	33 44.5	151 04	9 19.2E	63 15.7	.26170	WCP
Esperance	May 27, 1914	33 51.4	121 53	2 23.2W	66 34.6	.23371	WCP
Hopetoun	May 19, 1914	33 53.6	120 09	3 22.1W	66 25.0	.23554	WCP
Eleven-mile Dam, A	July 23, 1916	34 16.8	117 45	..	67 13.4	..	WCP
Eleven-mile Dam, B	July 23, 1916	34 16.8	117 45	..	67 19.0	..	WCP
Kapunda	Dec. 23, 1915	34 20.4	138 55	6 30.2E	65 11.4	.24810	GFD
Cape Leeuwin . .	Apr. 28, 1914	34 22.1	115 08	5 50.8W	67 37.1	.22404	WCP
Marra	May 16, 1914	34 25.4	118 47	6 24.8W	68 47.3	.21899	WCP
Angaston	Dec. 21, 1915	34 30.5	139 03	6 43.6E	65 43.0	.24394	GFD
Roseworthy . . .	Sep. 6, 1915	34 32.0	138 45	6 11.8E	..	.24592	GFD
	Sep. 7, 1915	..	..	..	65 40.2	..	GFD
Gawler	Dec. 16, 1915	34 37.1	138 44	..	65 52.6	..	GFD
	Dec. 17, 1915	..	..	6 00.6E	..	.24454	GFD
Adelaide (South Park)	Mar. 6, 1914	34 56.2	138 36	5 48.4E	66 08.2	.24273	FB
Port Frankland .	May 5, 1914	34 59.8	116 49	5 56.3W	67 37.8	.22476	WCP
Blackwood, A . .	Mar. 11, to Mar. 14, 1914	35 00.6	138 36	5 17.1E	66 08.2	.24203	WCP
Blackwood, B . .	Mar. 11, to Mar. 14, 1914	35 00.6	138 36	5 18.3E	..	.24202	EK
Blackwood, C . .	Mar. 11, to Mar. 14, 1914	35 00.6	138 36	5 19.0E	..	.24204	FB
Albany	May 9, 1914	35 01.3	117 55	5 18.3W	67 20.7	.22822	WCP
	Jun. 18, 1916	..	..	5 12.2W	67 26.9	.22770	WCP
Nairne	Jan. 9, 1918	35 02.4	138 54	6 10.5E	..	.24050	D&G
	Jan. 10, 1918	..	..	6 06.6E	66 03.3	..	D&G
Murray Bridge . .	Mar. 20, 1914	35 07.2	139 16	5 31.8E	66 18.2	.24051	KPK
Goolwa	Jan. 16, 1918	35 30.0	138 47	..	66 33.3	..	G&D
	Jan. 17, 1918	..	..	5 28.5E	..	.23781	D&G
	Jan. 18, 1918	..	..	..	66 38.8	..	D&G
Port Victor . . .	Mar. 17, 1914	35 31.8	138 37	..	66 39.4	..	P&K
	Mar. 18, 1914	..	..	5 43.6E	66 39.2	.23690	P&K
Port Victor, Secondary . . .	Mar. 18, 1914	35 31.8	138 37	..	66 39.8	..	EK
Border Town . .	Mar. 21, 1914	36 18.5	140 46	6 22.4E	67 04.2	.23600	P&K
	May 26, 1916	..	..	..	67 07.7	..	GFD
	May 27, 1916	..	..	6 14.0E	..	.23520	GFD
Kingston	Mar. 6, 1917	36 49.8	139 51	5 49.2E	67 51.8	.23182	D&G
Kybybolite	May 16, 1917	36 53.2	140 55	..	67 43.8	..	D&G
	May 19, 1917	..	..	5 55.1E	..	.22864	D&G
Naracoorte	May 29, 1916	36 57.0	140 45	6 25.9E	..	.23124	G&B
	May 30, 1916	..	..	6 21.8E	..	..	G&B
Robe	Feb. 26, 1917	37 09.8	139 45	5 31.9E	..	.22771	D&G

Station.	Date.	Lat. S.	Long. E.	Declination.	Dip. S.	Horizontal Intensity. C.G.S	Obs'r.
Robe	Feb. 27, 1917	..	..	..	67 58.7	..	D&G
Long Gully	Feb. 28, 1917	37 18.2	139 50	5 36.0E	68 09.8	.22746	D&G
Penola	Dec. 20, 1916	37 22.6	140 50	6 32.6E	..	.22838	D&G
	Dec. 21, 1916	..	..	..	67 58.0	..	D&G
Beachport	Mar. 23, 1914	37 28.8	140 00	5 33.1E	..	.22530	P&K
	Mar. 24, 1914	..	..	..	68 25.8	..	P&K
Beachport, Secondary . . .	Mar. 23, 1914	37 28.8	140 00	..	68 25.4	..	EK
	Mar. 24, 1914	..	..	5 27.8E	..	..	EK
Mount Ruskin . .	Feb. 25, 1918	38 03.0	140 58	..	68 35.2	..	D&G
	Feb. 26, 1918	..	..	6 19.0E	..	.22254	D&G
Port MacDonnell .	Feb. 12, 1918	38 03.4	140 42	6 06.0E	..	.22260	D&G
	Feb. 14, 1918	..	..	..	68 37.8	..	D&G
Currie, B	Jan. 20, 1914	39 54.3	143 51	8 02.5E	69 37.2	.21543	EK
Currie, A	Jan. 18, 1914	39 56.0	143 50	..	69 39.6	..	EK
	Jan. 19, 1914	..	..	8 09.1E	..	.21513	EK
Currie, A, Secondary . . .	Jan. 19, 1914	39 56.0	143 50	8 19 E	..	..	EK
White Mark . . .	Jan. 22, 1914	40 07.4	148 02	9 36.5E	69 18.3	.21786	FB
	Jan. 23, 1914	..	..	9 30.0E	..	..	FB
	Jan. 23, 1914	..	..	9 35.4E	..	..	FB
White Mark, Secondary . . .	Jan. 23, 1914	40 07.4	148 02	9 31.2E	..	..	FB
Gladstone	Jan. 14, 1914	40 57.6	148 00	9 44.1E	69 59.8	.21180	FB
	Jan. 14, 1914	..	..	9 50.9E	..	..	FB
Latrobe	Jan. 14, 1914	41 14.8	146 27	9 36.9E	..	.20928	EK
	Jan. 15, 1914	..	..	..	70 25.2	..	EK
Scamander, A . .	Jan. 12, 1914	41 26.7	148 18	9 55.6E	70 21.6	.20929	EK
Scamander, B . .	Jan. 12, 1914	41 26.7	148 18	9 49.8E	..	..	EK
Strahan	Jan. 18, 1914	42 09.6	145 21	9 01.8E	71 17.7	.20183	FB
Oatlands	Jan. 9, 1914	42 17.2	147 23	9 17.7E	71 00.8	.20268	K&B
Hobart, D	Jan. 7, 1914	42 52.2	147 21	9 01.6E	71 23.4	.19932	K&B
	Jan. 7, 1914	..	..	9 02.4E	..	..	K&B
Hobart, D, Secondary . . .	Jan. 7, 1914	42 52.2	147 21	9 06.8E	..	..	EK
Southport, A . .	Jan. 2, 1914	43 25.9	147 01	10 56.6E	..	.19003	EK
	Jan. 3, 1914	..	..	..	72 24.2	..	EK
Southport, B . .	Jan. 3, 1914	43 25.9	147 01	10 21.8E	72 15	..	EK
Southport, C . .	Jan. 4, 1914	43 26.2	147 00	10 04.9E	72 12.5	.19401	EK

Note: A number of stations were occupied in South Australia by Mr. G. F. Dodwell (GFD), Government Astronomer, with a magnetometer loaned by the Department of Terrestrial Magnetism. These observations have been included in the above. Mr. Dodwell was assisted during one period by Prof. Kerr Grant, of the Adelaide University (D&G).