



James M. Kennedy
Surveyor General

Isochronal Lines

for Beginning and End of the

SOLAR ECLIPSE.

September 9, 1886. N.Z. mean time.

The outline of the shadow at each minute is shown in black shading.
The central line is divided into 10 sec. spaces.
The following are the positions, times, and duration of totality on the different meridians from which the lines have been laid down:

LONG.	TIME.	N. Z. TIME.	DURATION.
172° 0'	40 30.3	7 35 28.3	1 51.2
173° 0'	32.2	32 46.4	1 52.0
174° 0'	34.5	23 10.4	1 52.9
175° 0'	36.5	23 36.3	1 53.7
176° 0'	38.9	24 0.9	1 54.6
177° 0'	41.5	24 27.4	1 55.5
178° 0'	44.3	24 54.8	1 56.4
179° 0'	47.3	25 23.0	1 57.3
180° 0'	50.5	25 52.0	1 58.2
181° 0'	53.8	26 21.8	1 59.1
182° 0'	57.3	26 52.6	2 0.0

Dunedin, 1885: 29th July.

ARTHUR BEVERLY

