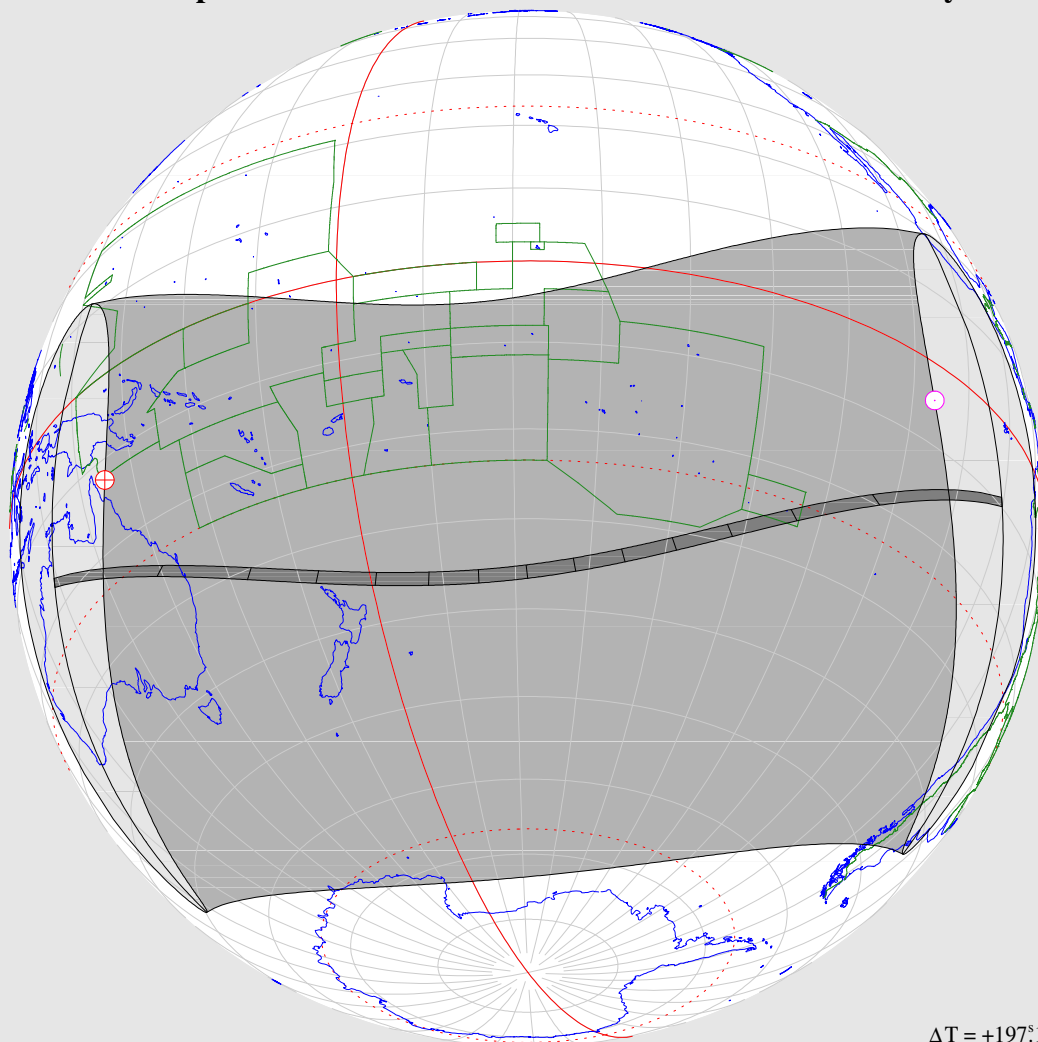


# I. - Total Eclipse of the Sun

1554 January 03-04



$\Delta T = +197^s.1$

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Globe centred on W 158°3 and S 31°1

Circumstances	Time (UT)		Longitude	Latitude
	<sup>h</sup>	<sup>m</sup>	<sup>o</sup> /	<sup>o</sup> /
⊕ Eclipse begins; first contact with Earth	20	10.0	E 145 00.4	S 12 21.0
Beginning of northern limit of penumbra	20	58.5	E 142 30.7	N 11 44.1
Beginning of northern limit of umbra	21	06.2	E 129 09.8	S 16 35.8
Beginning of centre line; central eclipse begins	21	06.5	E 128 53.5	S 17 01.9
Beginning of southern limit of umbra	21	06.9	E 128 37.1	S 17 28.1
Beginning of southern limit of penumbra	21	47.3	E 97 22.5	S 50 15.9
Central eclipse at local apparent noon	22	44.5	W 158 40.3	S 35 52.6
End of southern limit of penumbra	23	45.4	W 62 07.2	S 43 19.8
End of southern limit of umbra	0	25.8	W 90 04.7	S 9 49.8
End of centre line; central eclipse ends	0	26.1	W 90 20.5	S 9 23.3
End of northern limit of umbra	0	26.4	W 90 36.1	S 8 56.9
End of northern limit of penumbra	0	34.1	W 104 00.0	N 19 22.1
⊙ Eclipse ends; last contact with Earth	1	22.6	W 106 21.2	S 4 41.2