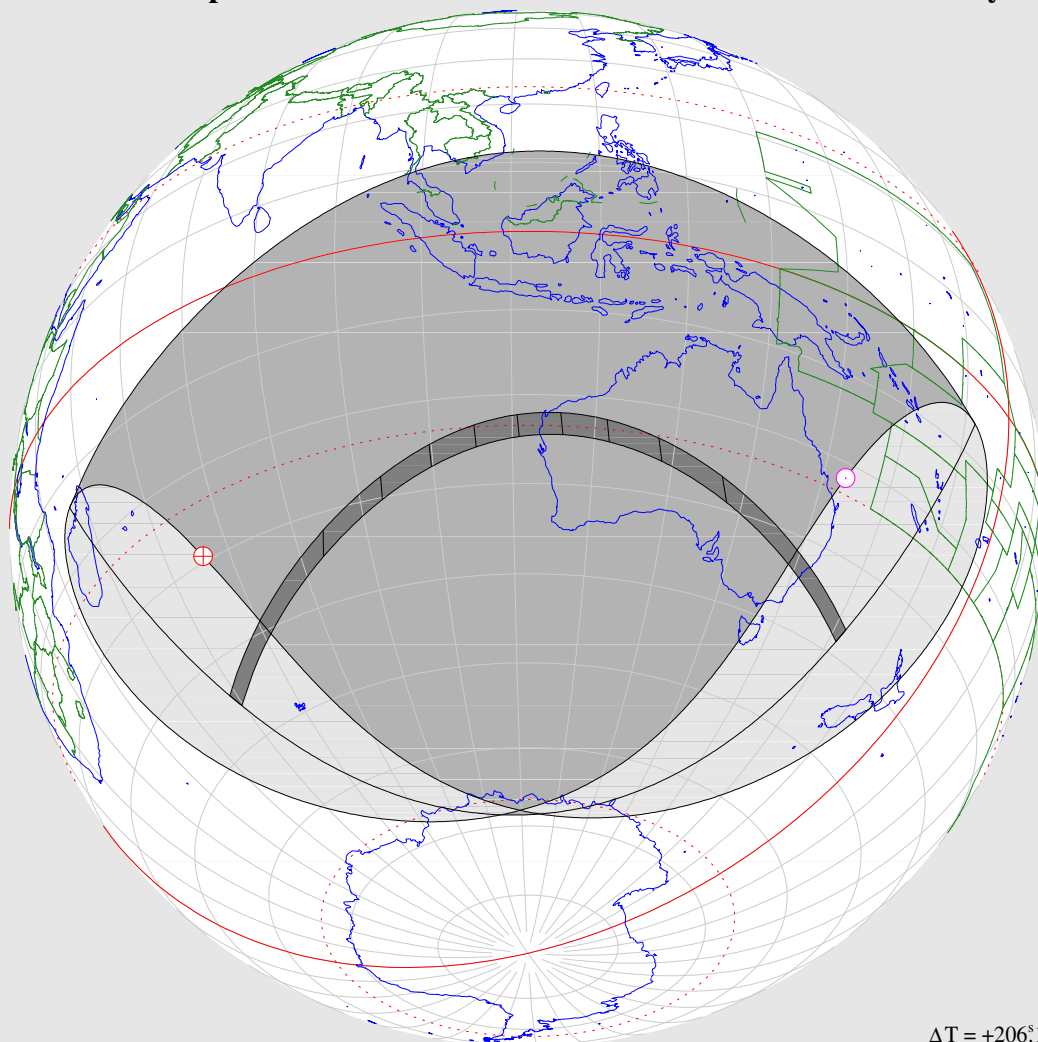


II. - Total Eclipse of the Sun

1547 May 19



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$\Delta T = +206^s.1$
Globe centred on E 111°9 and S 35°0

Circumstances	Time (UT)		Longitude		Latitude	
	h	m	°	'	°	'
⊕ Eclipse begins; first contact with Earth	2	23.5	E 65	57.2	S 29	18.1
Beginning of northern limit of penumbra	3	12.1	E 46	29.3	S 13	31.7
Beginning of northern limit of umbra	3	30.8	E 58	45.5	S 44	03.8
Beginning of centre line; central eclipse begins	3	31.9	E 59	11.2	S 44	53.5
Beginning of southern limit of umbra	3	33.0	E 59	38.1	S 45	43.9
Central eclipse at local apparent noon	4	40.2	E 109	02.3	S 23	45.4
End of southern limit of umbra	5	58.1	E 161	18.2	S 38	30.5
End of centre line; central eclipse ends	5	59.2	E 161	36.1	S 37	39.0
End of northern limit of umbra	6	00.2	E 161	53.4	S 36	48.3
End of northern limit of penumbra	6	18.9	E 172	03.6	S 5	47.7
⊙ Eclipse ends; last contact with Earth	7	07.6	E 153	10.1	S 21	42.2