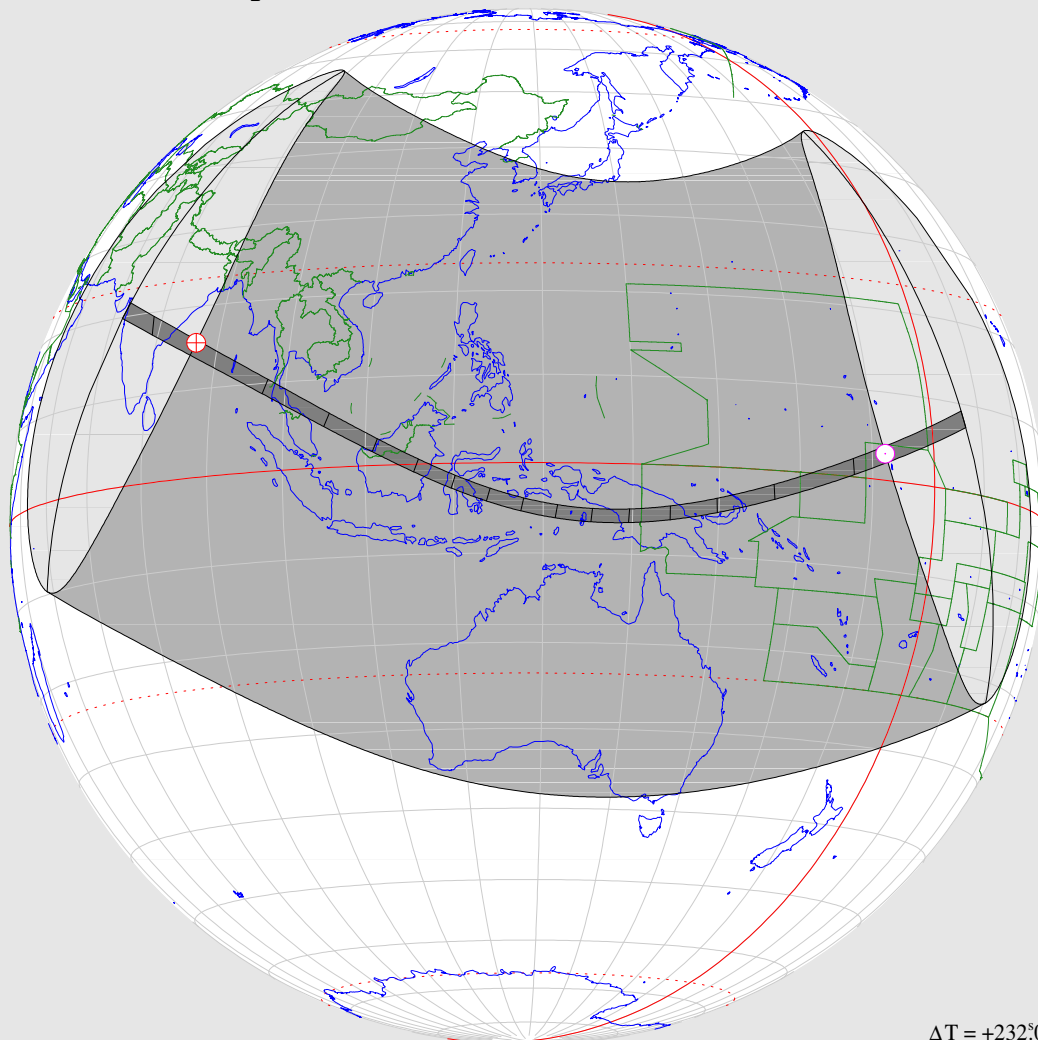


V. - Annular Eclipse of the Sun

1528 November 12



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$\Delta T = +232^s.0$
Globe centred on E 128°3 and S 7°1

Circumstances	Time (UT)	Longitude	Latitude
	^h ^m	^o /	^o /
⊕ Eclipse begins; first contact with Earth	0 23.4	E 86 40.2	N 15 31.6
Beginning of southern limit of umbra	1 29.0	E 72 01.8	N 19 50.7
Beginning of centre line; central eclipse begins	1 29.2	E 72 22.4	N 20 46.5
Beginning of northern limit of umbra	1 29.4	E 72 43.1	N 21 42.4
Beginning of southern limit of penumbra	1 39.8	E 58 08.9	S 9 41.9
Beginning of northern limit of penumbra	2 07.9	E 88 17.6	N 56 28.9
Central eclipse at local apparent noon	3 15.5	E 127 48.5	S 4 40.3
End of northern limit of penumbra	4 30.4	E 177 19.1	N 45 19.0
End of southern limit of penumbra	4 58.2	W 159 16.1	S 22 10.7
End of northern limit of umbra	5 08.8	W 173 53.4	N 9 10.2
End of centre line; central eclipse ends	5 09.0	W 173 35.8	N 8 15.1
End of southern limit of umbra	5 09.1	W 173 17.9	N 7 20.1
⊙ Eclipse ends; last contact with Earth	6 14.6	E 171 56.7	N 2 58.2