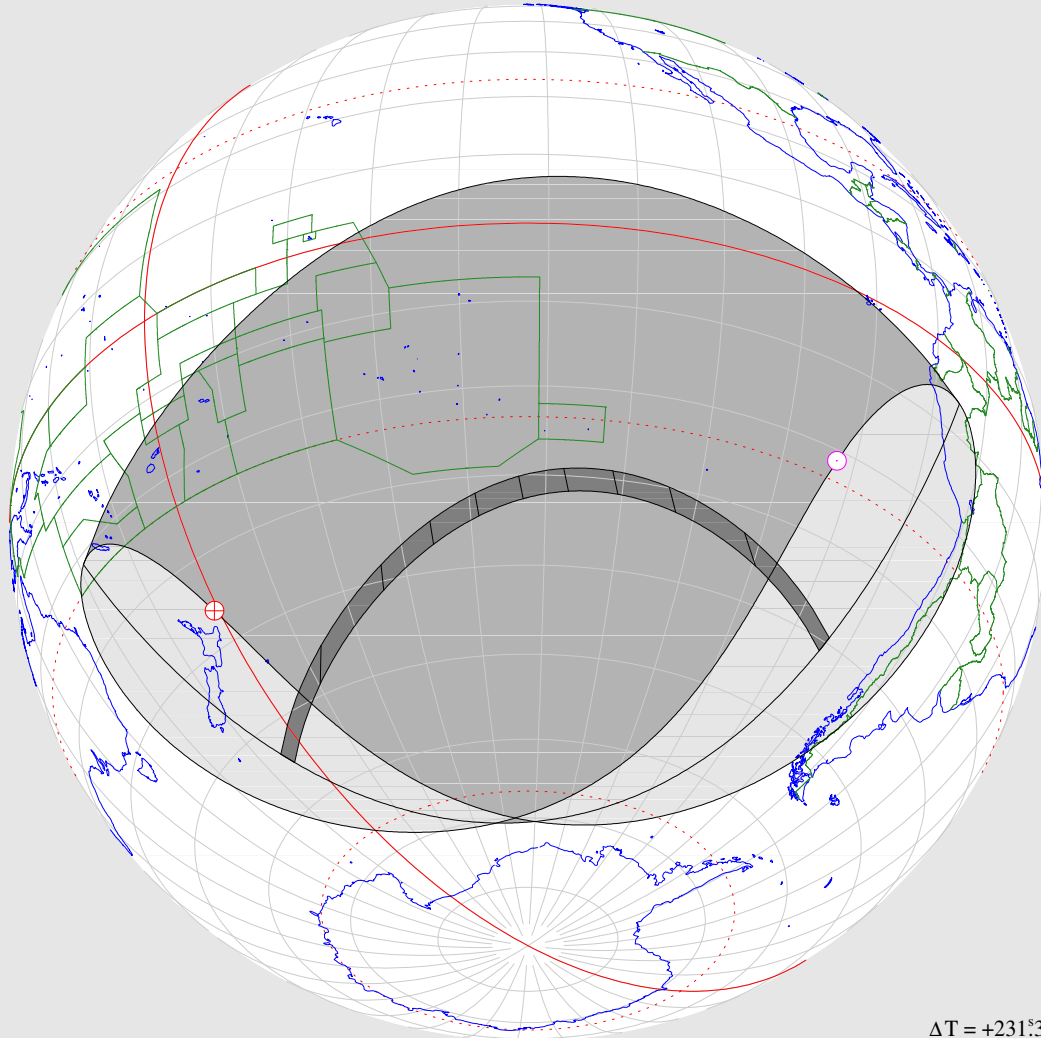


II. - Total Eclipse of the Sun

1529 May 07



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$\Delta T = +231^s.3$
Globe centred on W $132^{\circ}3$ and S $35^{\circ}3$

Circumstances	Time (UT)		Longitude		Latitude	
	h	m	$^{\circ}$	'	$^{\circ}$	'
⊕ Eclipse begins; first contact with Earth	18	57.5	E 179	17.6	S 36	02.0
Beginning of northern limit of penumbra	19	43.0	E 160	55.9	S 21	05.3
Beginning of northern limit of umbra	20	09.1	E 174	44.7	S 53	19.2
Beginning of centre line; central eclipse begins	20	10.3	E 175	22.0	S 54	08.7
Beginning of southern limit of umbra	20	11.7	E 176	02.1	S 54	58.8
Central eclipse at local apparent noon	21	04.6	W 137	14.5	S 32	29.6
End of southern limit of umbra	22	20.3	W 84	03.7	S 41	07.9
End of centre line; central eclipse ends	22	21.7	W 83	48.7	S 40	13.7
End of northern limit of umbra	22	22.9	W 83	34.5	S 39	20.5
End of northern limit of penumbra	22	49.0	W 75	27.4	S 5	59.1
⊙ Eclipse ends; last contact with Earth	23	34.5	W 92	33.4	S 21	11.4