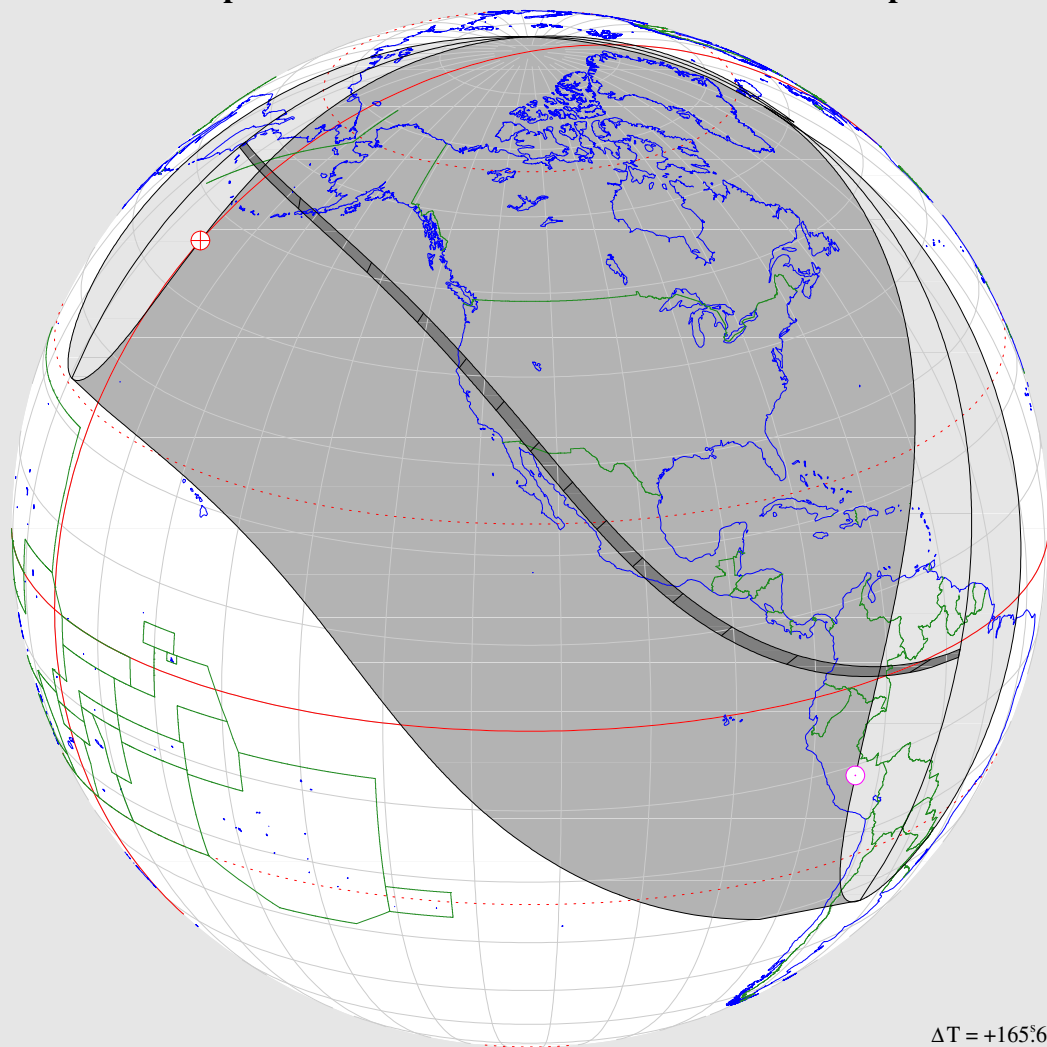


III. - Total Eclipse of the Sun

1578 September 01



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$\Delta T = +165^s.6$
Globe centred on W 113°5 and N 23°0

Circumstances	Time (UT)		Longitude		Latitude	
	h	m	°	'	°	'
⊕ Eclipse begins; first contact with Earth	17	37.5	E 179	55.9	N 46	07.7
Beginning of southern limit of penumbra	18	25.0	E 170	46.3	N 24	14.8
Beginning of southern limit of umbra	18	38.5	E 162	43.3	N 55	39.9
Beginning of centre line; central eclipse begins	18	38.9	E 162	30.9	N 56	05.7
Beginning of northern limit of umbra	18	39.3	E 162	18.2	N 56	31.5
Central eclipse at local apparent noon	19	45.7	W 117	21.2	N 36	26.1
End of northern limit of umbra	21	45.6	W 57	24.6	S 0	53.9
End of centre line; central eclipse ends	21	46.0	W 57	32.9	S 1	21.1
End of southern limit of umbra	21	46.4	W 57	41.1	S 1	48.2
End of southern limit of penumbra	21	59.6	W 63	48.9	S 33	19.6
⊙ Eclipse ends; last contact with Earth	22	47.3	W 73	40.9	S 11	23.5