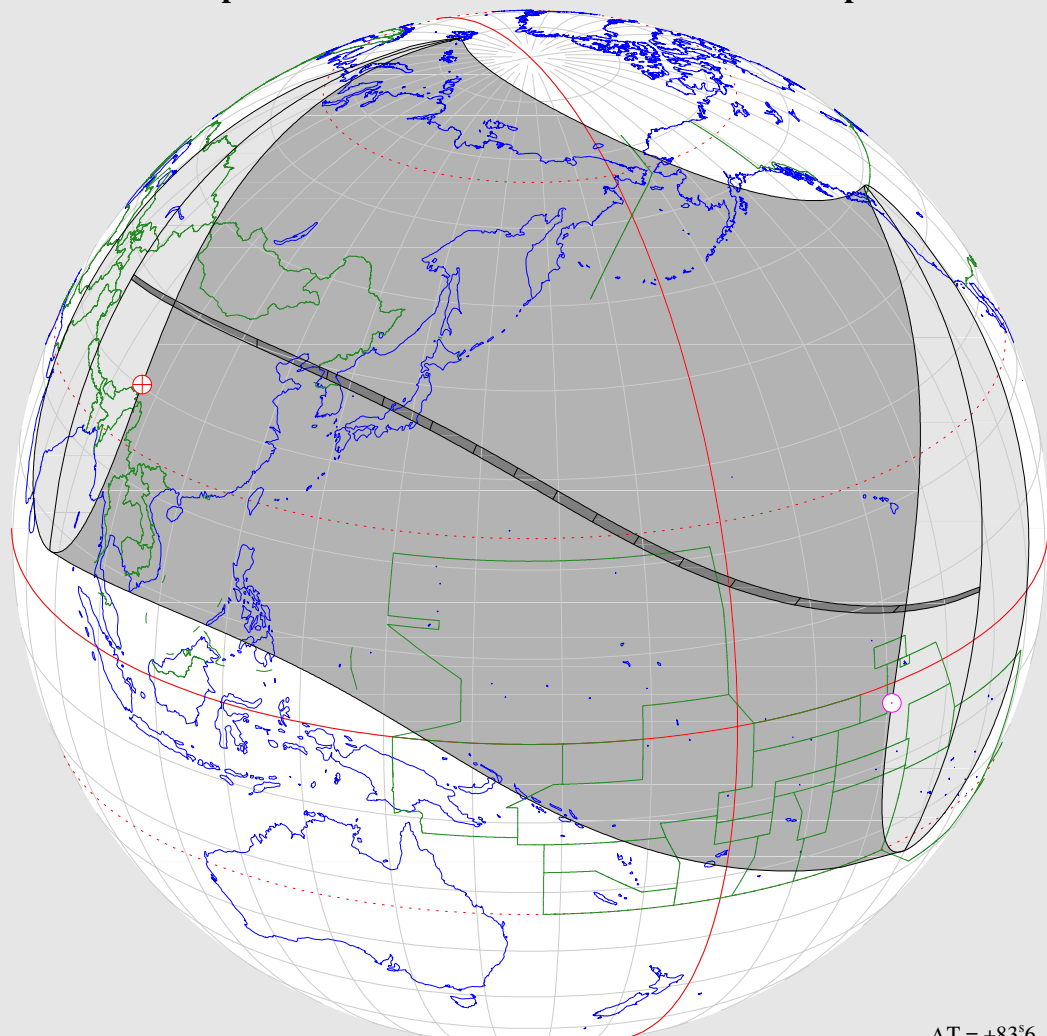


IV. - Total Eclipse of the Sun

2035 September 01-02



$\Delta T = +83^s.6$

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Globe centred on E 156°4 and N 24°6

Circumstances	Time (UT)		Longitude		Latitude	
	h	m	°	'	°	'
⊕ Eclipse begins; first contact with Earth	23	15.4	E 96	24.8	N 30	13.7
Beginning of southern limit of penumbra	0	06.0	E 87	32.0	N 6	43.2
Beginning of southern limit of umbra	0	16.0	E 79	42.2	N 37	46.1
Beginning of centre line; central eclipse begins	0	16.2	E 79	34.9	N 38	03.1
Beginning of northern limit of umbra	0	16.4	E 79	27.5	N 38	20.1
Beginning of northern limit of penumbra	1	14.3	E 22	44.3	N 79	21.6
Central eclipse at local apparent noon	1	43.6	E 154	04.1	N 31	04.4
End of northern limit of penumbra	2	36.8	W 119	45.5	N 49	29.2
End of northern limit of umbra	3	34.5	W 142	51.2	N 5	41.7
End of centre line; central eclipse ends	3	34.7	W 142	56.6	N 5	26.0
End of southern limit of umbra	3	34.9	W 143	02.0	N 5	10.2
End of southern limit of penumbra	3	44.7	W 150	08.1	S 25	59.8
⊙ Eclipse ends; last contact with Earth	4	35.6	W 159	16.4	S 2	26.7