

VI. - Total Eclipse of the Sun

2020 December 14



$\Delta T = +73^s6$

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Globe centred on W 66°4 and S 33°7

Circumstances	Time (UT)		Longitude		Latitude	
	h	m	°	'	°	'
⊕ Eclipse begins; first contact with Earth	13	33.8	W115	38.1	S 2	06.3
Beginning of northern limit of penumbra	14	20.8	W117	04.2	N20	47.3
Beginning of northern limit of umbra	14	32.6	W132	43.6	S 7	37.5
Beginning of centre line; central eclipse begins	14	32.8	W132	49.4	S 7	46.2
Beginning of southern limit of umbra	14	32.9	W132	55.2	S 7	54.9
Beginning of southern limit of penumbra	15	20.8	W165	23.2	S 43	20.5
Central eclipse at local apparent noon	16	18.1	W 65	47.7	S 40	46.5
End of southern limit of penumbra	17	05.9	E 53	25.1	S 56	50.9
End of southern limit of umbra	17	53.9	E 11	09.9	S 23	44.6
End of centre line; central eclipse ends	17	54.0	E 11	04.3	S 23	37.0
End of northern limit of umbra	17	54.1	E 10	58.6	S 23	29.5
End of northern limit of penumbra	18	06.2	W 4	54.9	N 4	54.7
⊙ Eclipse ends; last contact with Earth	18	53.0	W 6	28.4	S 18	01.5