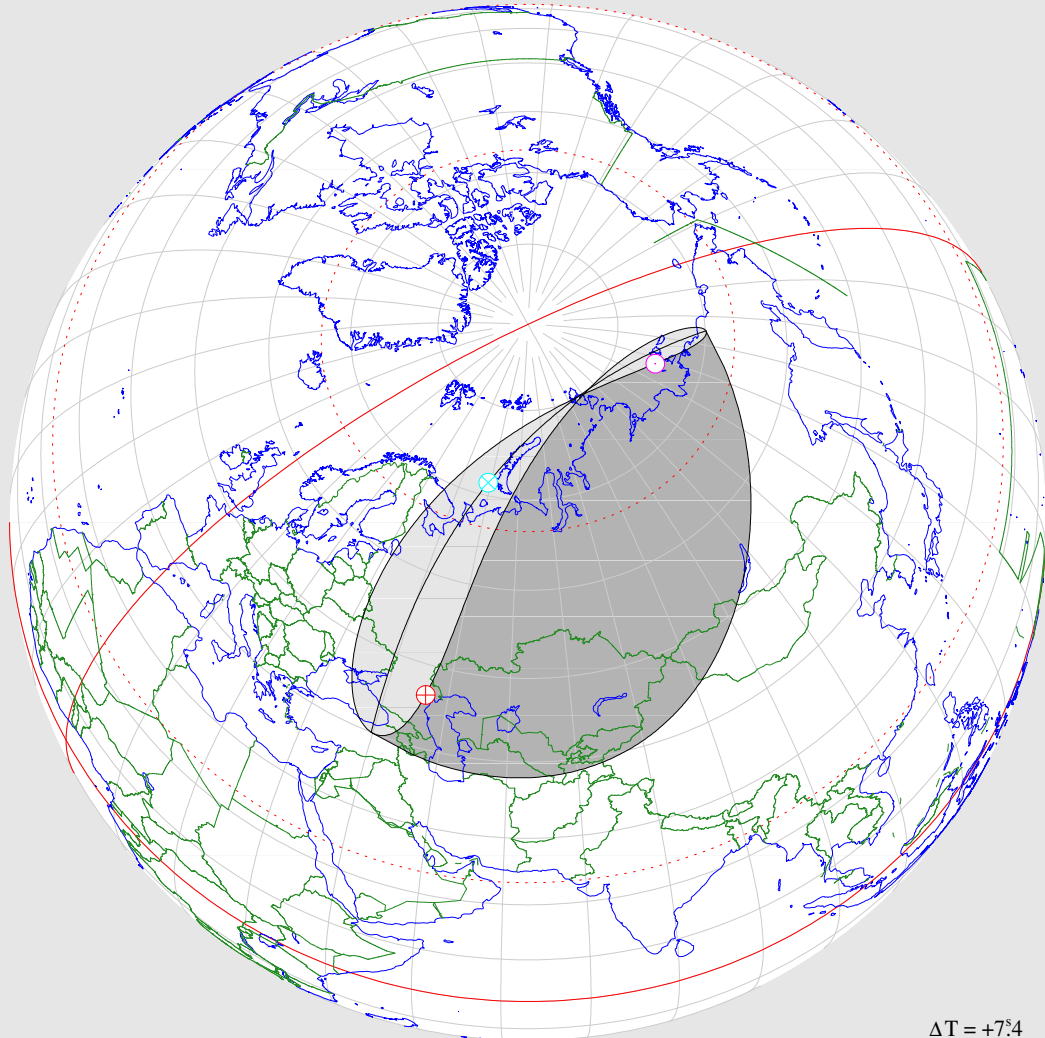


I. - Partial Eclipse of the Sun

1830 February 23



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$\Delta T = +7^s.4$
Globe centred on E 63°0 and N 67°5

Circumstances	Time (UT)	Longitude	Latitude
	^h ^m	^o /	^o /
⊕ Eclipse begins; first contact with Earth	3 51.2	E 46 21.7	N46 27.4
Beginning of southern limit of penumbra	4 08.9	E 39 44.9	N39 59.4
⊗ Greatest eclipse (magnitude = 0.3103)	5 04.1	E 49 05.1	N71 25.5
End of southern limit of penumbra	5 58.9	E 154 55.3	N69 54.2
○ Eclipse ends; last contact with Earth	6 16.6	E 137 23.9	N75 13.5