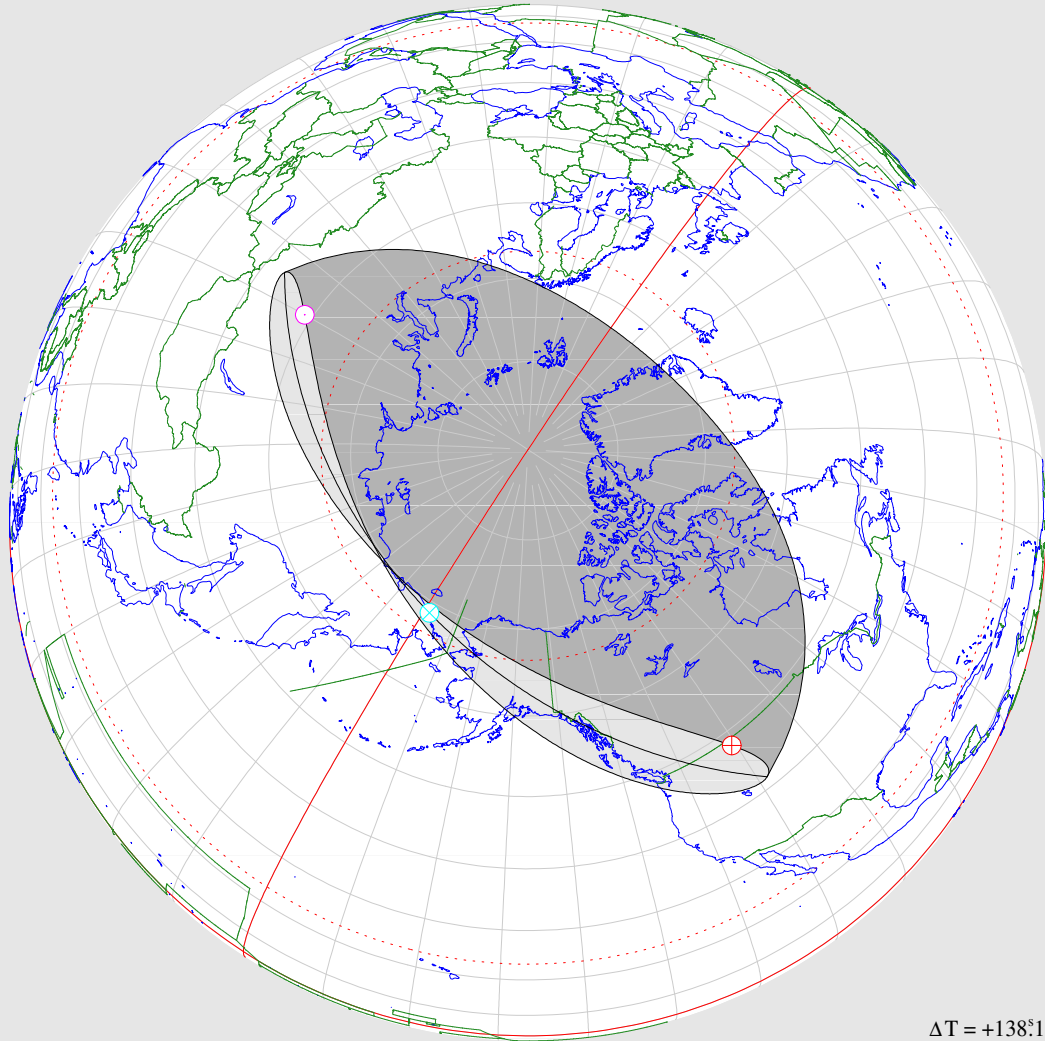


# I. - Partial Eclipse of the Sun

1602 May 21



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$\Delta T = +138^s.1$   
Globe centred on W 146°7 and N 81°9

| Circumstances                              | Time (UT)                 | Longitude      | Latitude       |
|--|---------------------------|----------------|----------------|
|  | <sup>h</sup> <sup>m</sup> | <sup>o</sup> / | <sup>o</sup> / |
| ⊕ Eclipse begins; first contact with Earth | 11 41.7                   | W110 38.4      | N48 05.1       |
| Beginning of southern limit of penumbra    | 11 54.3                   | W108 37.6      | N41 32.1       |
| ⊗ Greatest eclipse (magnitude = 0.4135)    | 13 04.4                   | W178 20.7      | N68 45.8       |
| End of southern limit of penumbra          | 14 14.3                   | E 84 46.4      | N53 07.5       |
| ○ Eclipse ends; last contact with Earth    | 14 26.9                   | E 89 58.3      | N58 58.6       |