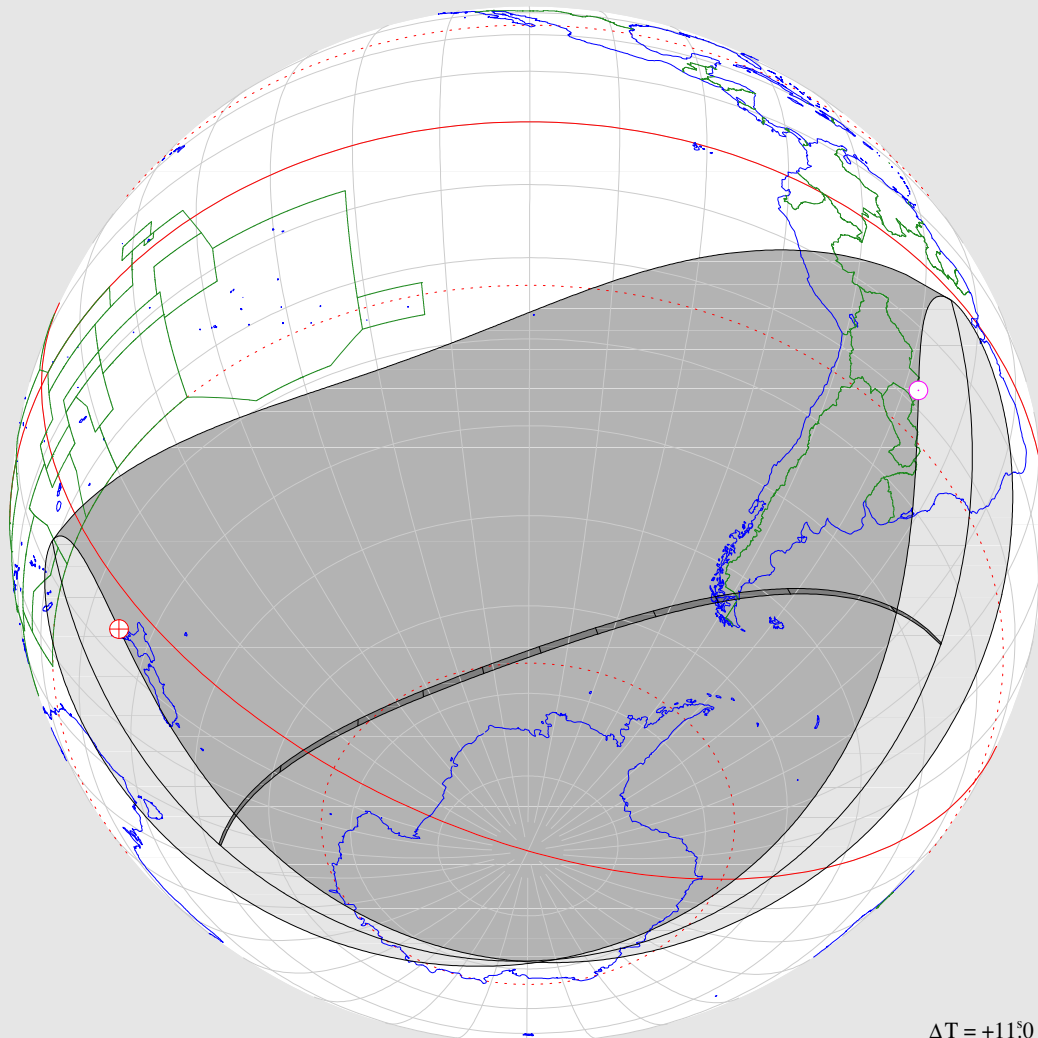


II. - Total Eclipse of the Sun

1721 January 27



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$\Delta T = +11^s 0$
Globe centred on W 110°2 and S 51°0

| Circumstances | Time (UT) | | Longitude | | Latitude | |
|--|-----------|------|-----------|------|----------|------|
| | h | m | ° | ' | ° | ' |
| ⊕ Eclipse begins; first contact with Earth | 17 | 40.7 | E 174 | 37.2 | S 35 | 18.6 |
| Beginning of northern limit of penumbra | 18 | 12.9 | E 173 | 33.4 | S 19 | 06.7 |
| Beginning of northern limit of umbra | 18 | 52.4 | E 145 | 13.4 | S 51 | 58.2 |
| Beginning of centre line; central eclipse begins | 18 | 52.5 | E 145 | 05.1 | S 52 | 04.2 |
| Beginning of southern limit of umbra | 18 | 52.7 | E 144 | 56.7 | S 52 | 10.1 |
| Central eclipse at local apparent noon | 19 | 52.4 | W 114 | 43.6 | S 66 | 04.6 |
| End of southern limit of umbra | 21 | 17.4 | W 32 | 22.0 | S 35 | 27.2 |
| End of centre line; central eclipse ends | 21 | 17.6 | W 32 | 26.9 | S 35 | 21.8 |
| End of northern limit of umbra | 21 | 17.7 | W 32 | 31.7 | S 35 | 16.5 |
| End of northern limit of penumbra | 21 | 57.2 | W 55 | 27.4 | S 1 | 23.8 |
| ⊙ Eclipse ends; last contact with Earth | 22 | 29.4 | W 57 | 52.6 | S 17 | 51.7 |