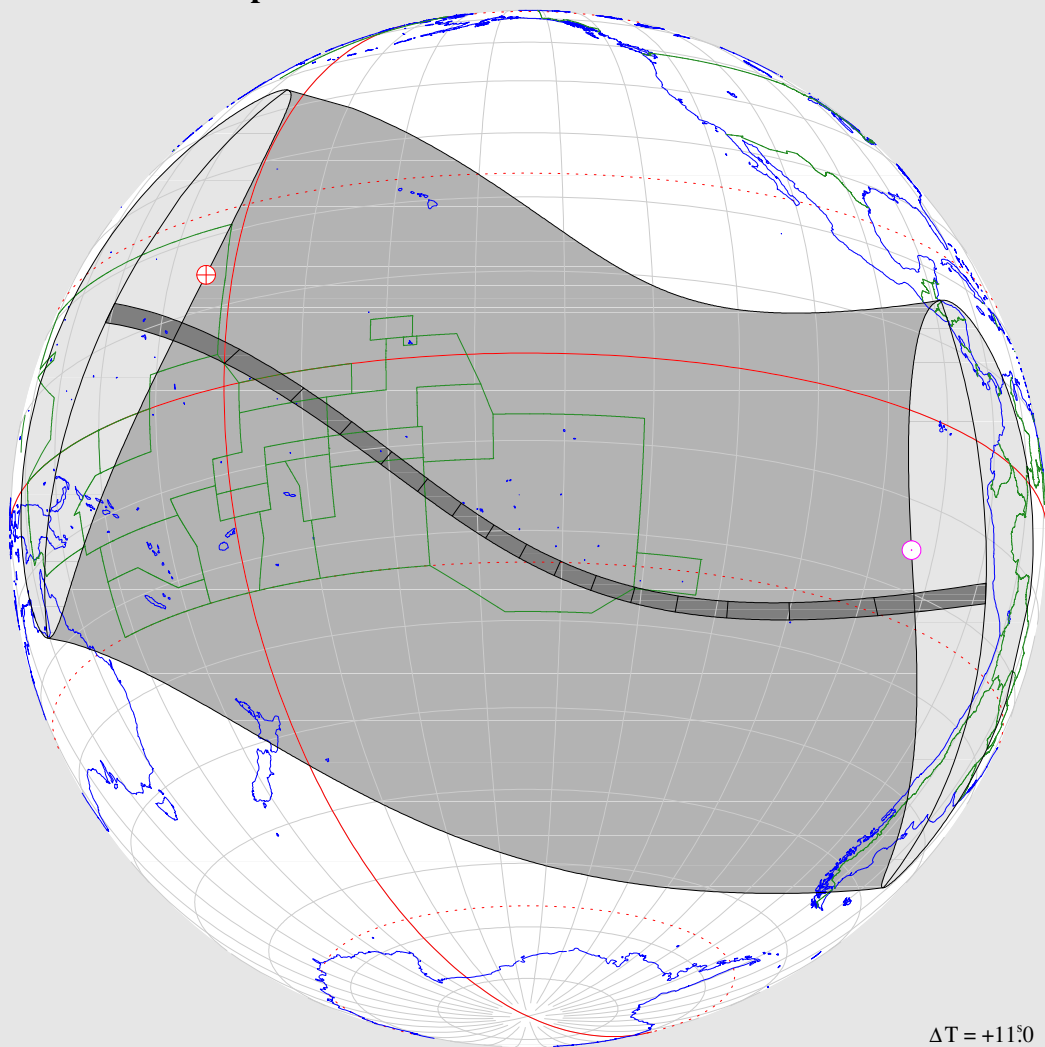


V. - Annular Eclipse of the Sun

1723 November 27-28



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$\Delta T = +11^m 30^s$
Globe centred on W 144°1' and S 19°8'

| Circumstances | Time (UT) | Longitude | Latitude |
|--|-----------|------------|-----------|
| | h m | ° / | ° / |
| ⊕ Eclipse begins; first contact with Earth | 18 27.5 | E 175 57.8 | N 14 40.7 |
| Beginning of northern limit of umbra | 19 32.4 | E 160 04.2 | N 15 27.8 |
| Beginning of centre line; central eclipse begins | 19 32.8 | E 159 31.8 | N 14 25.1 |
| Beginning of southern limit of umbra | 19 33.3 | E 158 59.1 | N 13 22.3 |
| Beginning of northern limit of penumbra | 19 40.7 | E 174 43.0 | N 45 05.4 |
| Beginning of southern limit of penumbra | 20 02.3 | E 139 20.1 | S 17 41.9 |
| Central eclipse at local apparent noon | 21 28.5 | W 145 06.0 | S 22 04.6 |
| End of southern limit of penumbra | 22 53.6 | W 52 03.9 | S 46 41.7 |
| End of northern limit of penumbra | 23 15.7 | W 88 14.6 | N 15 53.5 |
| End of southern limit of umbra | 23 22.8 | W 76 59.4 | S 16 43.7 |
| End of centre line; central eclipse ends | 23 23.3 | W 77 32.2 | S 15 42.2 |
| End of northern limit of umbra | 23 23.7 | W 78 04.2 | S 14 40.7 |
| ⊙ Eclipse ends; last contact with Earth | 0 28.5 | W 93 57.0 | S 15 26.6 |