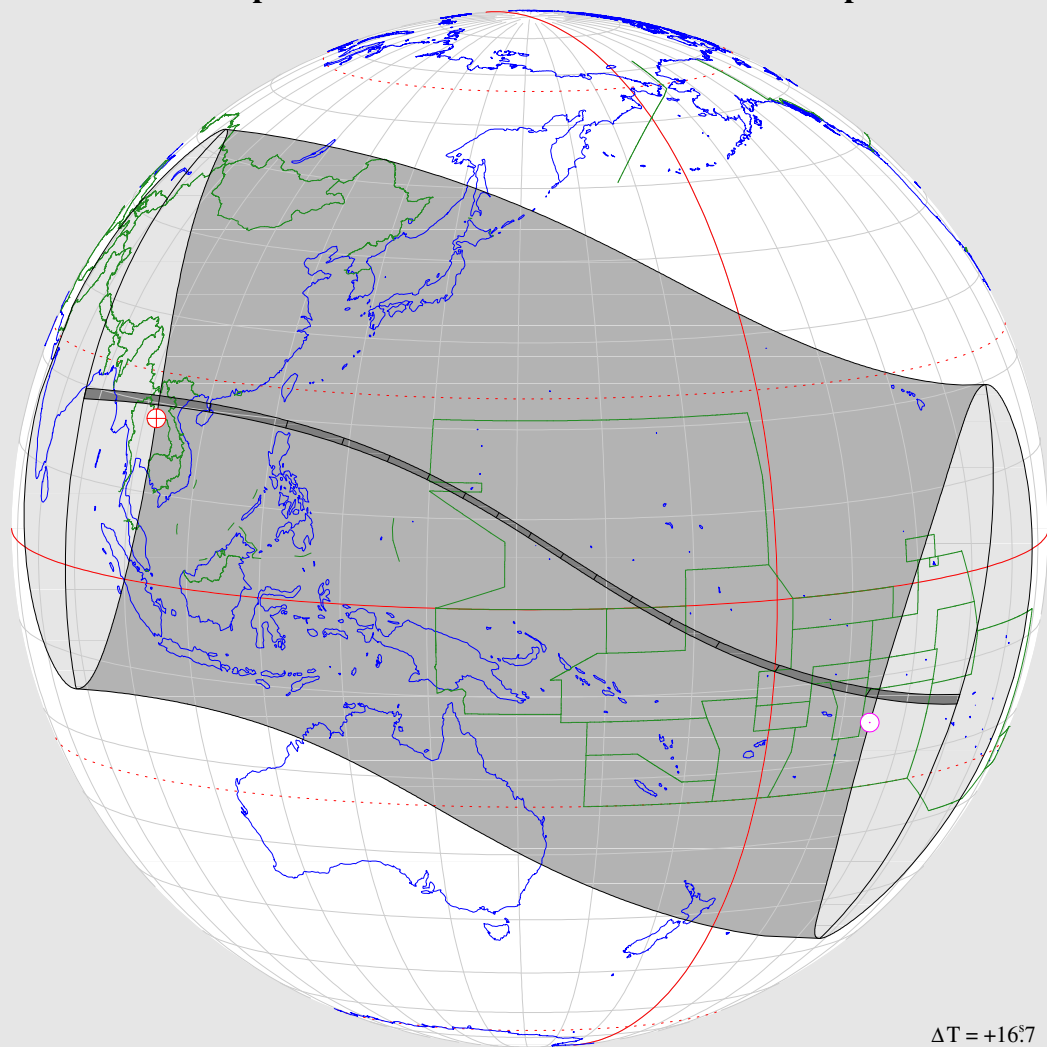


# V. - Annular Eclipse of the Sun

## 1774 September 05-06



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$\Delta T = +16^m 7^s$   
Globe centred on E 151°5 and N 9°0

| Circumstances                                    | Time (UT)                 | Longitude      | Latitude       |
|--|---------------------------|----------------|----------------|
|  | <sup>h</sup> <sup>m</sup> | <sup>o</sup> / | <sup>o</sup> / |
| ⊕ Eclipse begins; first contact with Earth       | 23 01.1                   | E 102 07.7     | N 18 16.2      |
| Beginning of southern limit of umbra             | 0 04.1                    | E 86 20.9      | N 18 28.7      |
| Beginning of centre line; central eclipse begins | 0 04.2                    | E 86 14.8      | N 19 03.7      |
| Beginning of northern limit of umbra             | 0 04.3                    | E 86 08.6      | N 19 38.8      |
| Beginning of southern limit of penumbra          | 0 17.2                    | E 86 56.6      | S 14 17.6      |
| Beginning of northern limit of penumbra          | 0 29.2                    | E 73 28.7      | N 53 07.5      |
| Central eclipse at local apparent noon           | 1 56.0                    | E 150 32.6     | N 8 51.9       |
| End of northern limit of penumbra                | 3 25.8                    | W 139 35.1     | N 19 34.5      |
| End of southern limit of penumbra                | 3 37.3                    | W 151 58.9     | S 47 52.5      |
| End of northern limit of umbra                   | 3 50.4                    | W 149 42.0     | S 14 07.4      |
| End of centre line; central eclipse ends         | 3 50.5                    | W 149 47.6     | S 14 41.1      |
| End of southern limit of umbra                   | 3 50.7                    | W 149 53.2     | S 15 14.8      |
| ⊙ Eclipse ends; last contact with Earth          | 4 53.6                    | W 165 38.8     | S 15 28.6      |