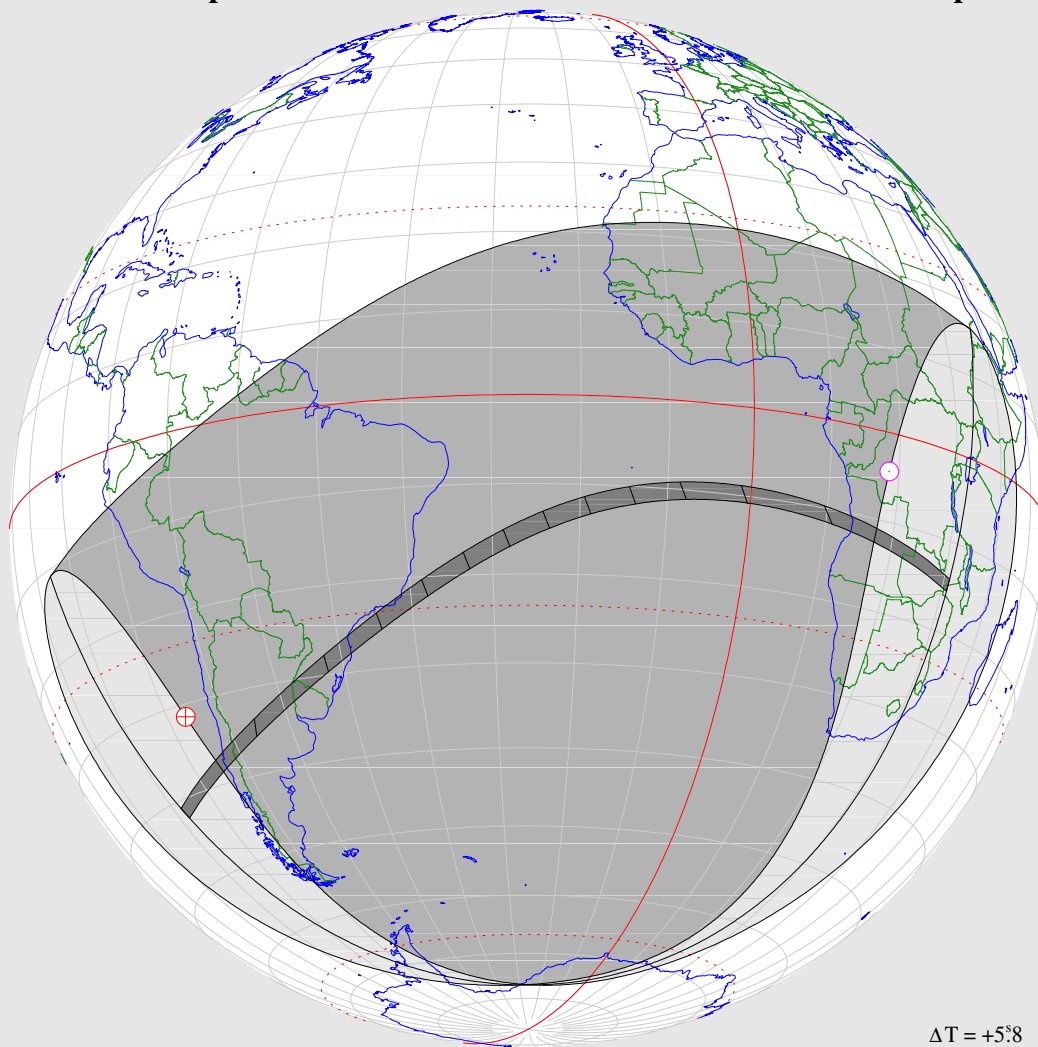


## II. - Total Eclipse of the Sun

1865 April 25



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$\Delta T = +5^s 8$   
Globe centred on W 25°9 and S 15°0

| Circumstances                                    | Time (UT) |      | Longitude |      | Latitude |      |
|--|-----------|------|-----------|------|----------|------|
|  | h         | m    | °         | '    | °        | '    |
| ⊕ Eclipse begins; first contact with Earth       | 11        | 37.3 | W 76      | 34.1 | S 31     | 23.5 |
| Beginning of northern limit of penumbra          | 12        | 30.4 | W 95      | 33.5 | S 10     | 46.7 |
| Beginning of northern limit of umbra             | 12        | 37.2 | W 88      | 03.1 | S 40     | 49.0 |
| Beginning of centre line; central eclipse begins | 12        | 37.7 | W 87      | 53.0 | S 41     | 31.4 |
| Beginning of southern limit of umbra             | 12        | 38.3 | W 87      | 42.7 | S 42     | 14.0 |
| Central eclipse at local apparent noon           | 13        | 56.1 | W 29      | 34.2 | S 16     | 36.5 |
| End of southern limit of umbra                   | 15        | 38.8 | E 30      | 59.7 | S 15     | 25.7 |
| End of centre line; central eclipse ends         | 15        | 39.4 | E 31      | 02.5 | S 14     | 42.8 |
| End of northern limit of umbra                   | 15        | 39.9 | E 31      | 05.5 | S 14     | 00.2 |
| End of northern limit of penumbra                | 15        | 46.5 | E 36      | 48.4 | N 16     | 18.7 |
| ⊙ Eclipse ends; last contact with Earth          | 16        | 39.8 | E 18      | 27.3 | S 4      | 24.6 |