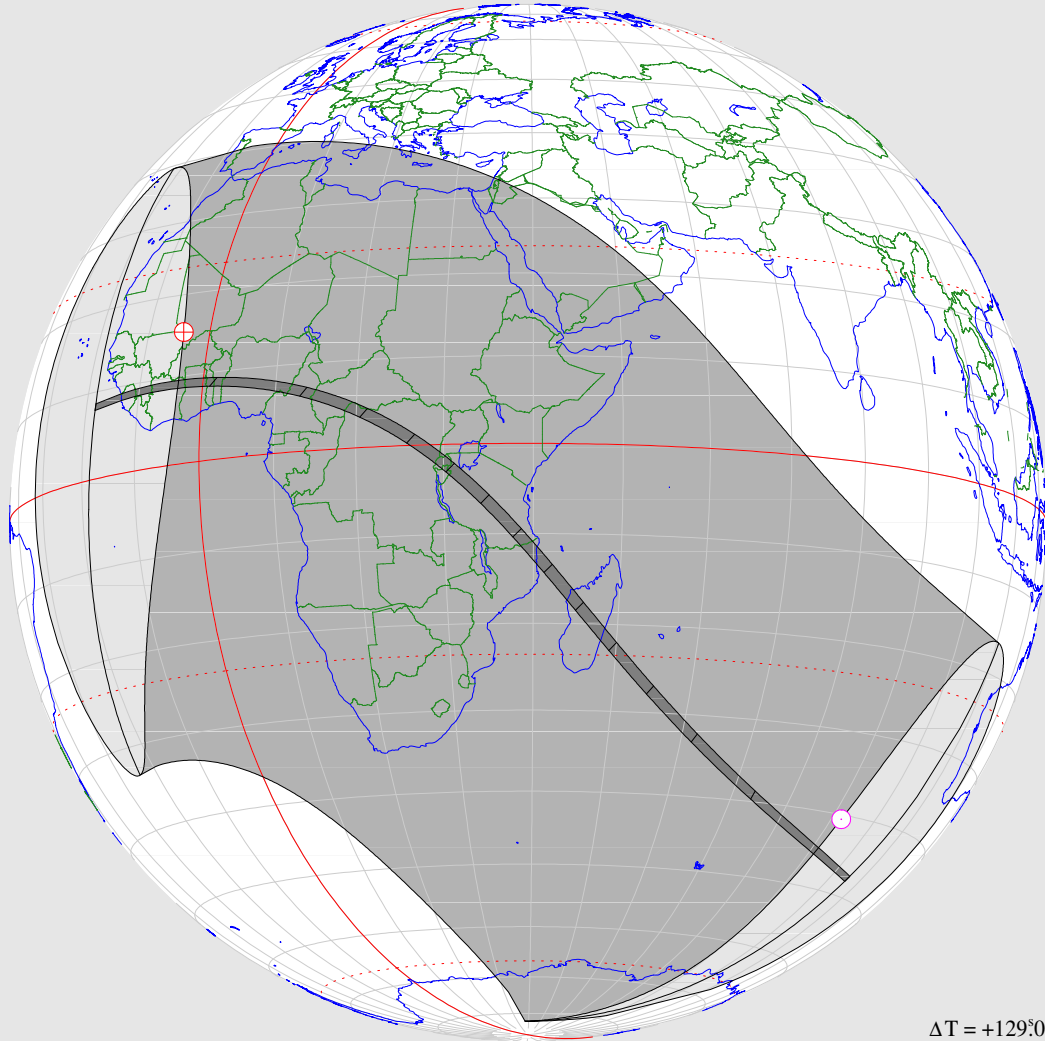


IV. - Total Eclipse of the Sun

2100 September 04



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$\Delta T = +129^{\circ}0$
Globe centred on E 39°4 and S 8°8

| Circumstances | Time (UT) | Longitude | Latitude |
|--|-----------|------------|-----------|
| | h m | ° / | ° / |
| ⊕ Eclipse begins; first contact with Earth | 6 07.8 | W 4 06.0 | N 15 18.0 |
| Beginning of northern limit of penumbra | 7 06.4 | W 22 42.2 | N 39 26.8 |
| Beginning of northern limit of umbra | 7 07.1 | W 18 04.3 | N 8 36.8 |
| Beginning of centre line; central eclipse begins | 7 07.3 | W 18 04.4 | N 8 13.8 |
| Beginning of southern limit of umbra | 7 07.5 | W 18 04.6 | N 7 50.8 |
| Beginning of southern limit of penumbra | 7 54.9 | W 24 13.9 | S 33 23.2 |
| Central eclipse at local apparent noon | 9 06.3 | E 43 12.5 | S 15 34.7 |
| End of southern limit of penumbra | 9 38.8 | E 36 46.2 | S 82 56.0 |
| End of southern limit of umbra | 10 26.6 | E 105 14.5 | S 47 57.6 |
| End of centre line; central eclipse ends | 10 26.8 | E 105 17.8 | S 47 33.7 |
| End of northern limit of umbra | 10 27.0 | E 105 21.1 | S 47 09.9 |
| End of northern limit of penumbra | 10 28.0 | E 110 40.4 | S 16 26.3 |
| ⊙ Eclipse ends; last contact with Earth | 11 26.4 | E 92 06.5 | S 40 33.6 |