

Total Lunar Eclipse of 2025 Mar 14

Greatest Eclipse = 06:59:56.2 TT (= 06:58:47.0 UTC)

Penumbral Magnitude = 2.2615
Umbral Magnitude = 1.1804

Gamma = 0.3485
Axis = 0.3171°

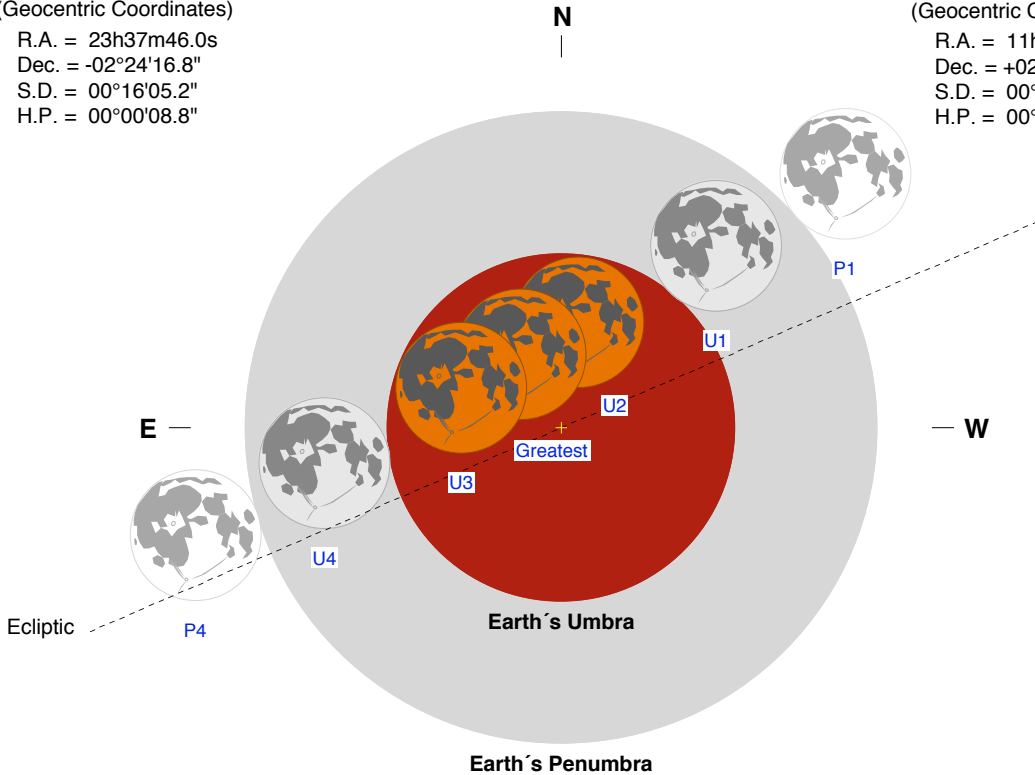
Saros Series = 123
Saros Member = 53 of 72

Sun at Greatest Eclipse
(Geocentric Coordinates)

R.A. = 23h37m46.0s
Dec. = -02°24'16.8"
S.D. = 00°16'05.2"
H.P. = 00°00'08.8"

Moon at Greatest Eclipse
(Geocentric Coordinates)

R.A. = 11h38m23.0s
Dec. = +02°40'54.6"
S.D. = 00°14'52.8"
H.P. = 00°54'36.8"



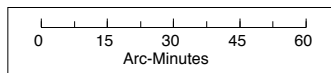
Eclipse Durations

Penumbral = 06h03m22s
Umbral = 03h38m56s
Total = 01h06m04s

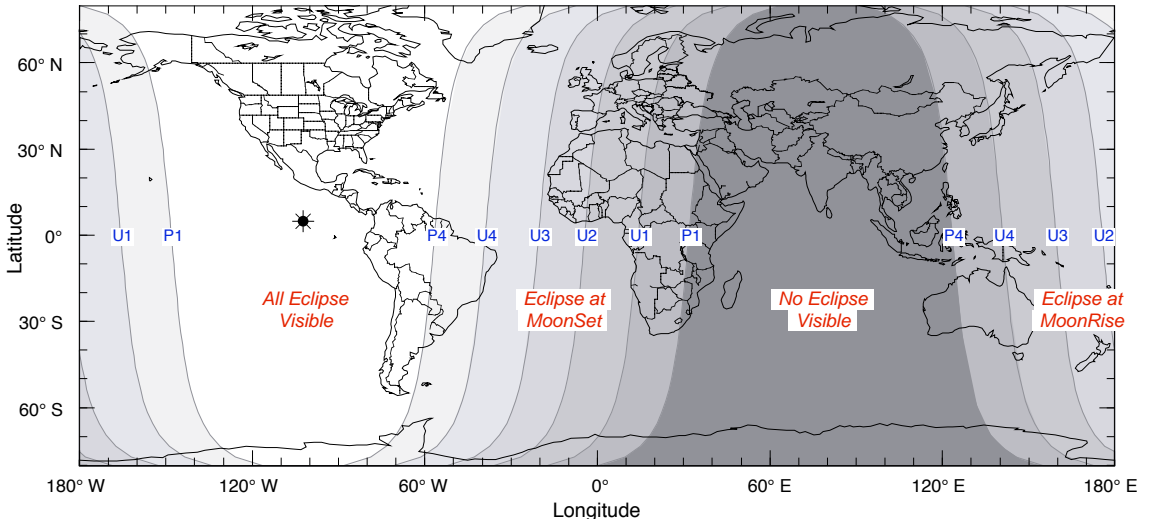
Eph. = JPL DE430
Rule = Herald-Sinnott
TT - UTC = 69.18 s

Eclipse Contacts

P1 = 03:57:12 UTC
U1 = 05:09:25 UTC
U2 = 06:26:00 UTC
U3 = 07:32:04 UTC
U4 = 08:48:21 UTC
P4 = 10:00:34 UTC



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Adapted from *21st Century Canon of Lunar Eclipses*, Fred Espenak, 2020.