

Total Lunar Eclipse of 2025 Sep 07

Greatest Eclipse = 18:12:58.0 TT (= 18:11:48.8 UTC)

Penumbral Magnitude = 2.3459
Umbral Magnitude = 1.3638

Gamma = -0.2752
Axis = 0.2721°

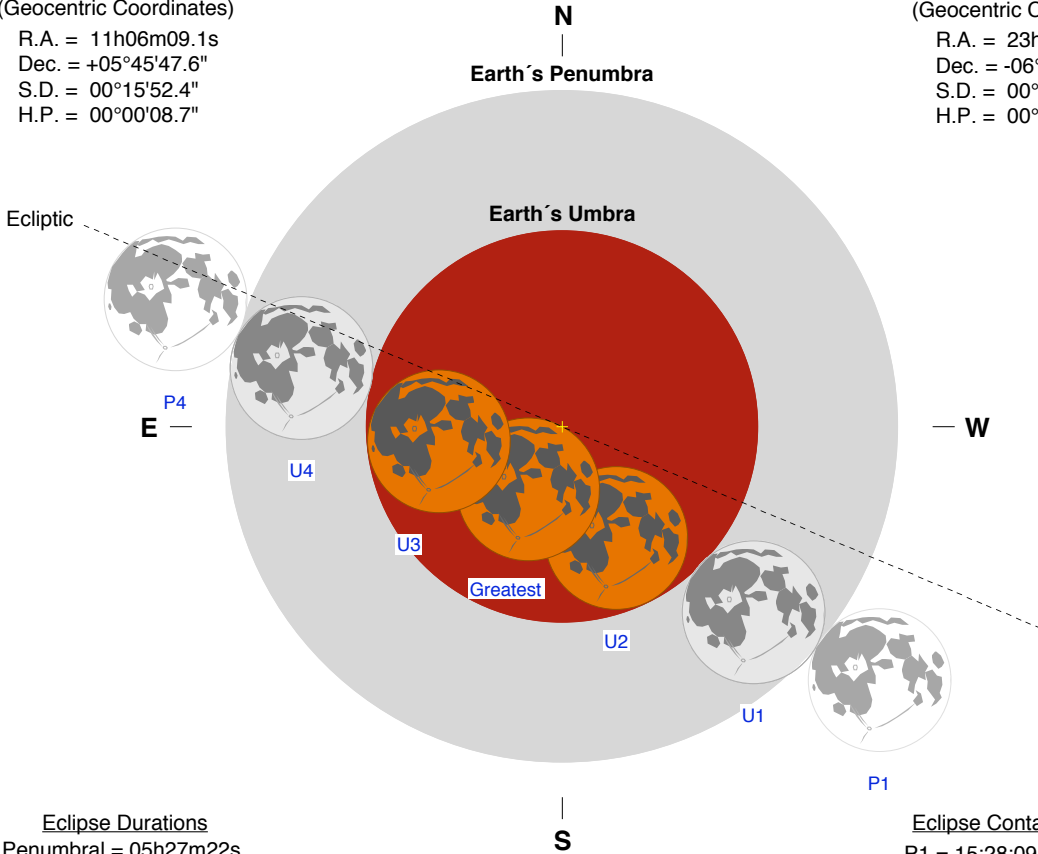
Saros Series = 128
Saros Member = 41 of 71

Sun at Greatest Eclipse
(Geocentric Coordinates)

R.A. = 11h06m09.1s
Dec. = +05°45'47.6"
S.D. = 00°15'52.4"
H.P. = 00°00'08.7"

Moon at Greatest Eclipse
(Geocentric Coordinates)

R.A. = 23h06m40.4s
Dec. = -06°00'08.9"
S.D. = 00°16'09.8"
H.P. = 00°59'19.1"



Eclipse Durations

Penumbral = 05h27m22s
Umbral = 03h30m02s
Total = 01h22m41s

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

Eclipse Contacts

P1 = 15:28:09 UTC
U1 = 16:26:54 UTC
U2 = 17:30:39 UTC
U3 = 18:53:21 UTC
U4 = 19:56:56 UTC
P4 = 20:55:31 UTC

©2022 F. Espenak, www.EclipseWise.com

