

Total Lunar Eclipse of 2025 Sep 07

Greatest Eclipse = 18:12:58.0 TD (= 18:11:46.1 UT1)

Penumbral Magnitude = 2.3459
Umbral Magnitude = 1.3638

Gamma = -0.2752
Axis = 0.2721°

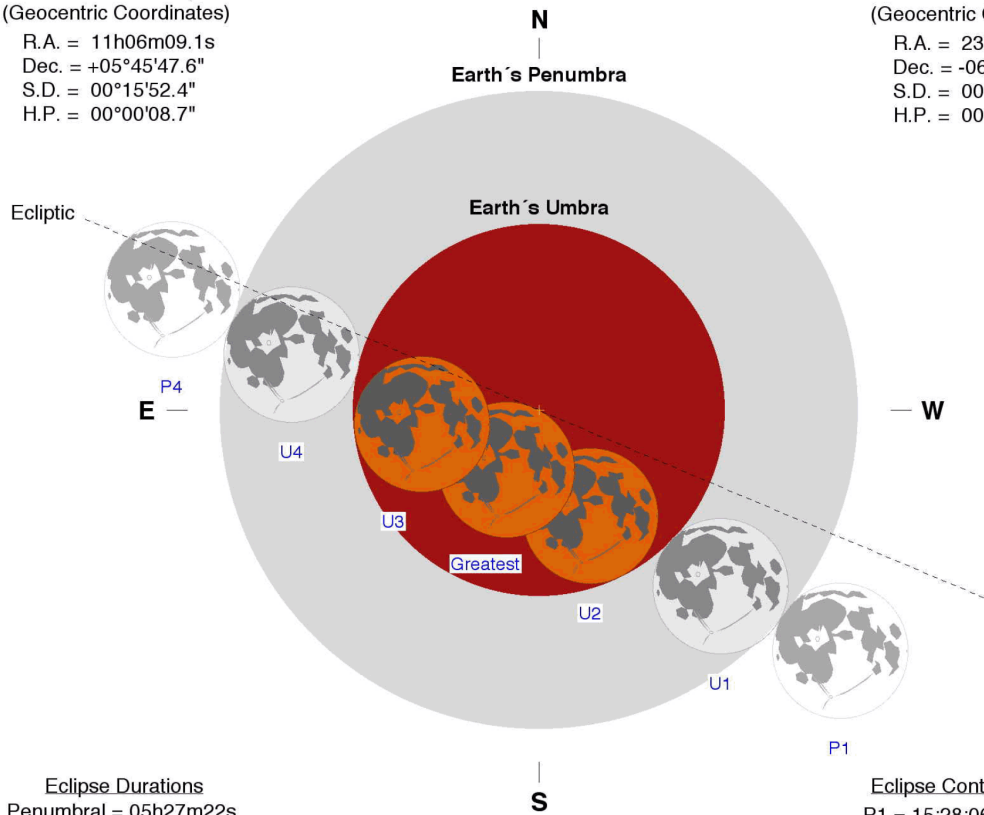
Saros Series = 128
Saros Member = 41 of 71

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"

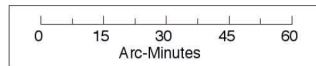
Moon at Greatest Eclipse
(Geocentric Coordinates)

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

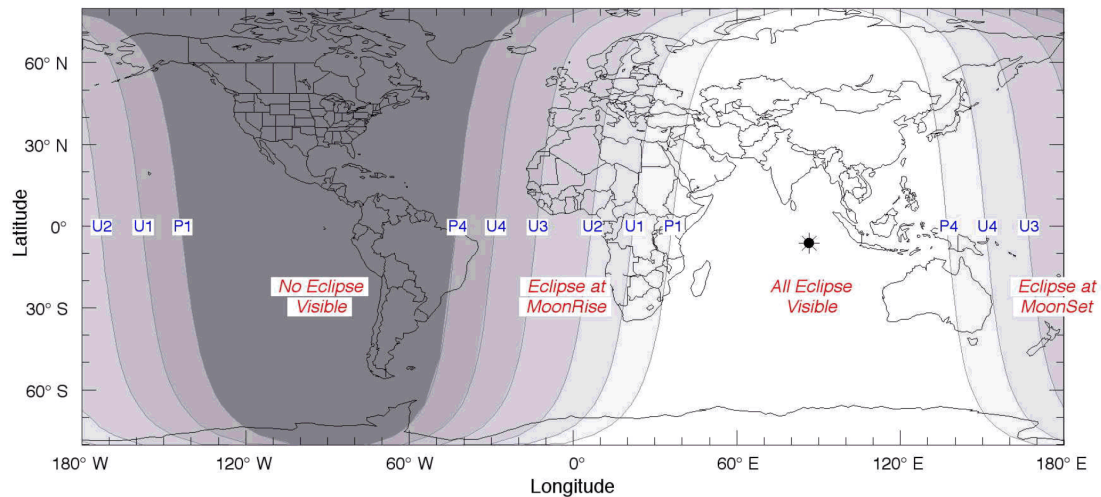
Eph. = JPL DE430
Rule = Herald-Sinnott
 ΔT = 72 s



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Eclipse Contacts

P1 = 15:28:06 UT1
U1 = 16:26:51 UT1
U2 = 17:30:37 UT1
U3 = 18:53:18 UT1
U4 = 19:56:53 UT1
P4 = 20:55:28 UT1



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