

Total Lunar Eclipse of 1938 Nov 07

Ecliptic Conjunction = 22:23:45.8 TD (= 22:23:21.7 UT)

Greatest Eclipse = 22:26:42.4 TD (= 22:26:18.3 UT)

Penumbral Magnitude = 2.3585

P. Radius = 1.2630°

Gamma = 0.2738

Umbral Magnitude = 1.3525

U. Radius = 0.7248°

Axis = 0.2688°

Saros Series = 125

Member = 44 of 72

Sun at Greatest Eclipse (Geocentric Coordinates)

R.A. = 14h49m34.6s

Dec. = -16°17'56.2"

S.D. = 00°16'08.6"

H.P. = 00°00'08.9"

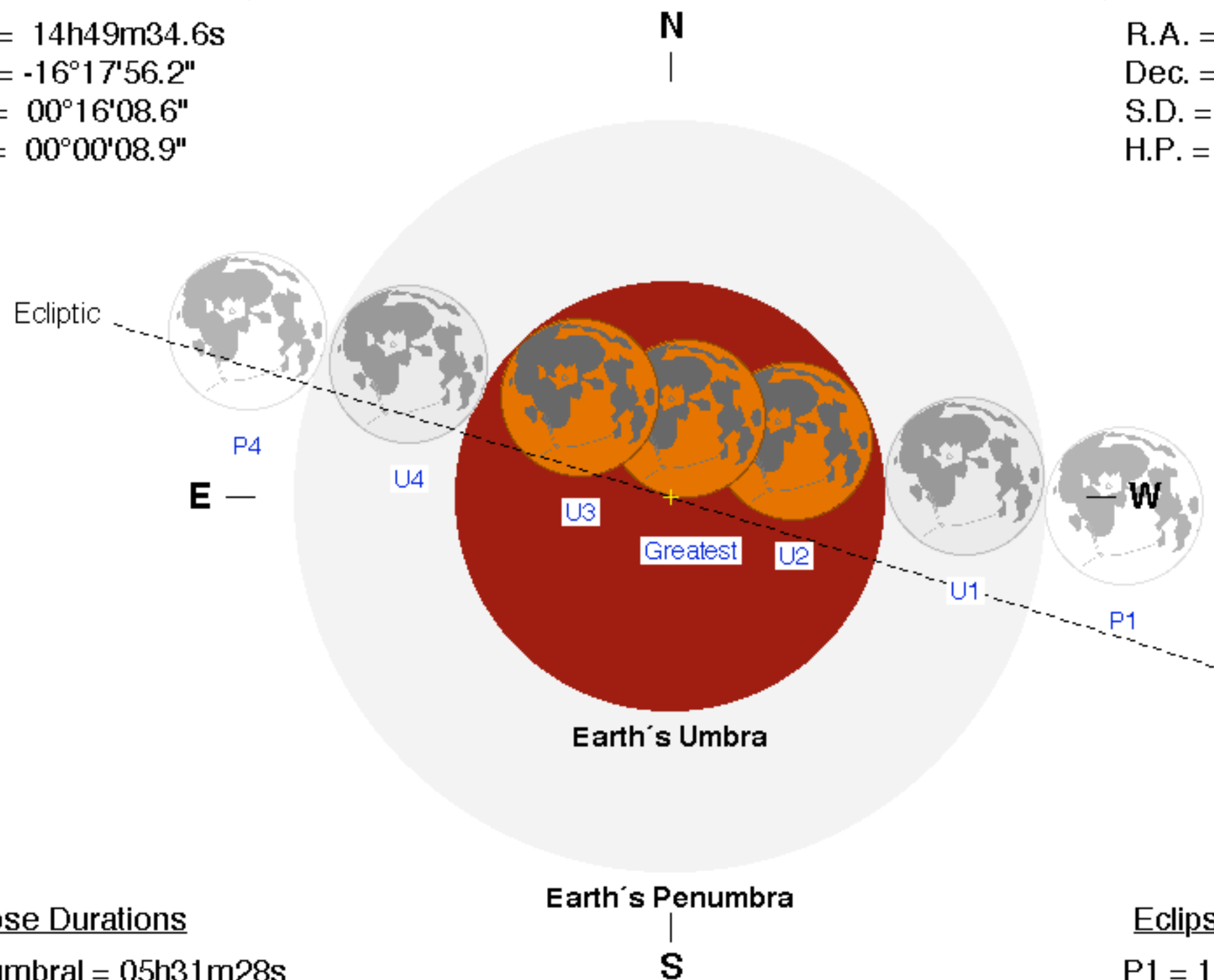
Moon at Greatest Eclipse (Geocentric Coordinates)

R.A. = 02h49m21.3s

Dec. = +16°33'44.7"

S.D. = 00°16'02.9"

H.P. = 00°58'53.8"



Eclipse Durations

Penumbral = 05h31m28s

Umbral = 03h30m11s

Total = 01h21m26s

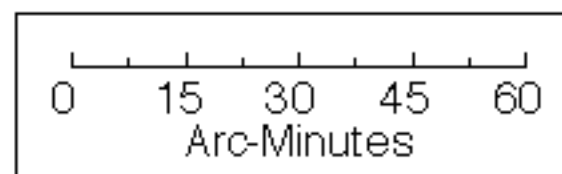
$\Delta T = 24$ s

Rule = CdT (Danjon)

Eph. = VSOP87/ELP2000-85

Earth's Penumbra

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F. Espenak, NASA's GSFC

eclipse.gsfc.nasa.gov/eclipse.html

Eclipse Contacts

P1 = 19:40:32 UT

U1 = 20:41:14 UT

U2 = 21:45:36 UT

U3 = 23:07:02 UT

U4 = 00:11:25 UT

P4 = 01:12:00 UT

