

Partial Lunar Eclipse of 2057 Jun 17

Ecliptic Conjunction = 02:20:06.8 TD (= 02:18:18.6 UT)

Greatest Eclipse = 02:26:20.0 TD (= 02:24:31.8 UT)

Penumbral Magnitude = 1.6967

P. Radius = 1.2983°

Gamma = 0.6167

Umbral Magnitude = 0.7555

U. Radius = 0.7735°

Axis = 0.6310°

Saros Series = 121

Member = 58 of 84

Sun at Greatest Eclipse (Geocentric Coordinates)

R.A. = 05h44m25.1s

Dec. = +23°22'59.4"

S.D. = 00°15'44.7"

H.P. = 00°00'08.7"

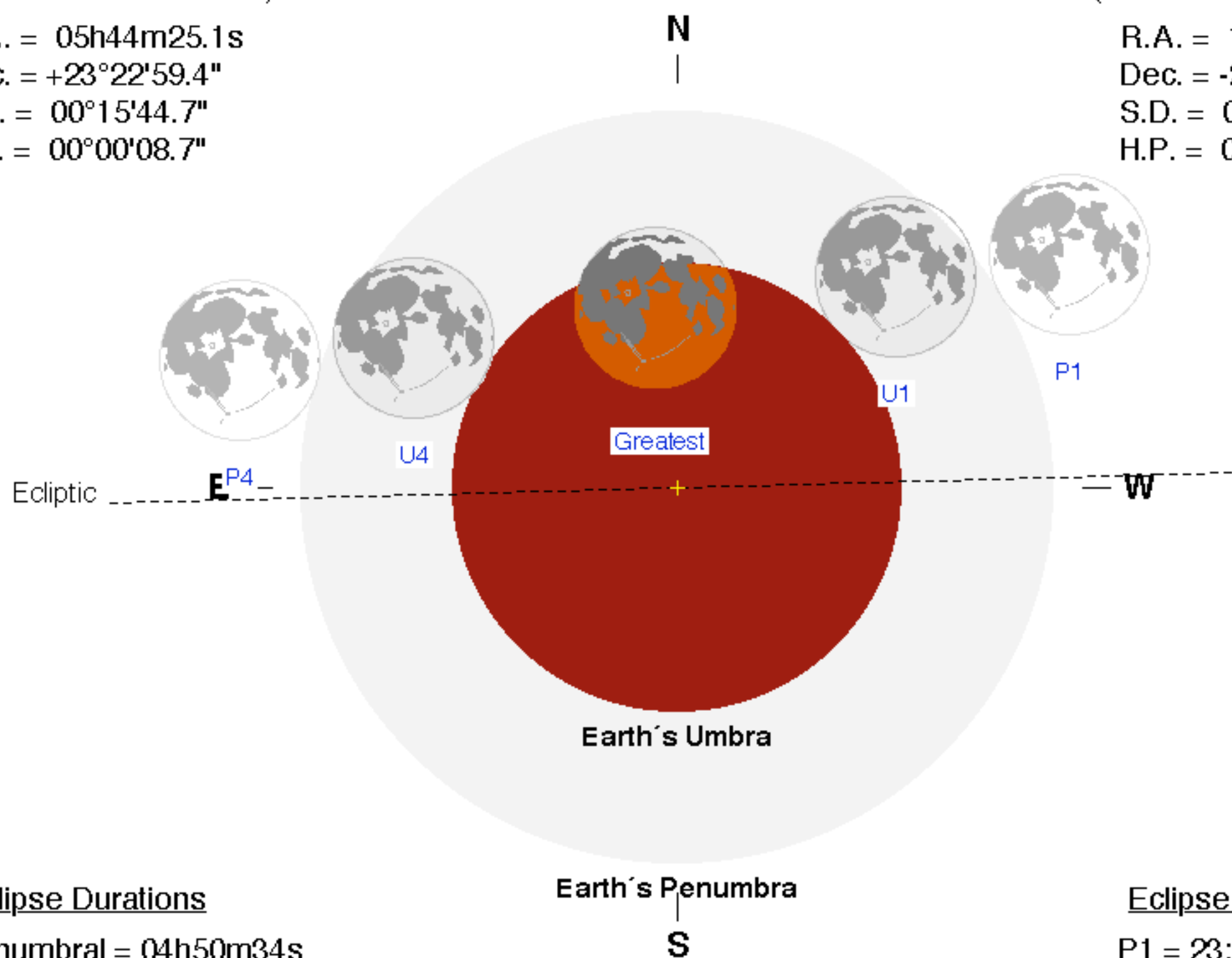
Moon at Greatest Eclipse (Geocentric Coordinates)

R.A. = 17h44m45.6s

Dec. = -22°45'25.4"

S.D. = 00°16'43.7"

H.P. = 01°01'23.6"



Eclipse Durations

Penumbral = 04h50m34s

Umbral = 02h49m19s

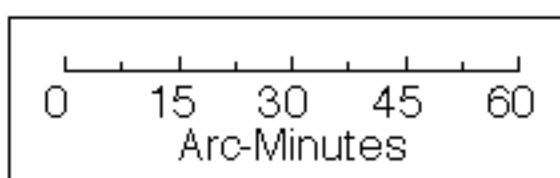
$\Delta T = 108$ s

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 = 23:59:15 UT

U1 = 00:59:52 UT

U4 = 03:49:11 UT

P4 = 04:49:49 UT

