

# Partial Lunar Eclipse of 2066 Jul 07

Ecliptic Conjunction = 09:36:37.1 TD (= 09:34:29.8 UT)

Greatest Eclipse = 09:30:29.4 TD (= 09:28:22.1 UT)

Penumbral Magnitude = 1.7179

P. Radius = 1.2957°

Gamma = 0.6055

Umbral Magnitude = 0.7753

U. Radius = 0.7713°

Axis = 0.6181°

Saros Series = 140 Member = 28 of 80

## Sun at Greatest Eclipse (Geocentric Coordinates)

R.A. = 07h07m48.9s

Dec. = +22°30'58.3"

S.D. = 00°15'43.9"

H.P. = 00°00'08.7"

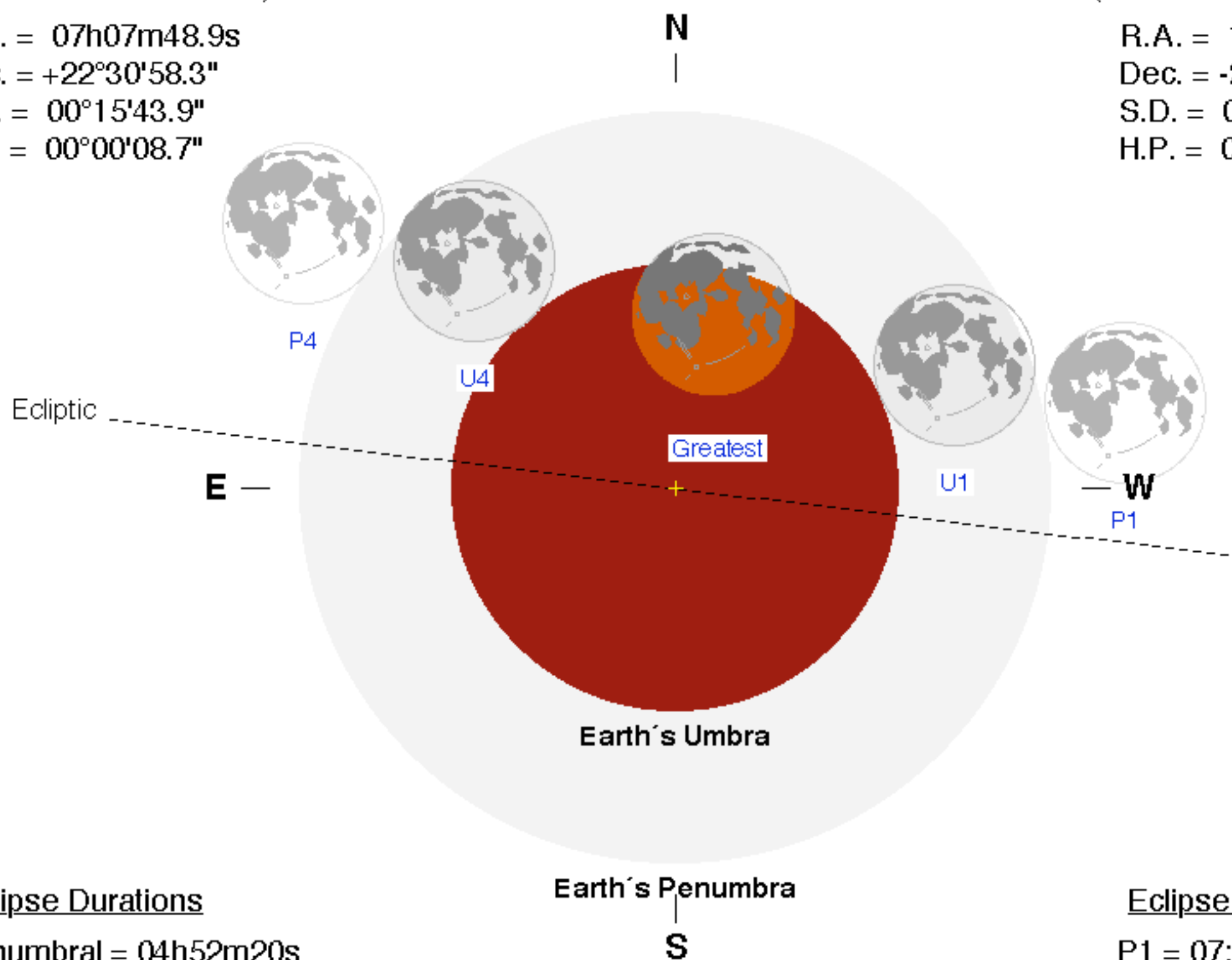
## Moon at Greatest Eclipse (Geocentric Coordinates)

R.A. = 19h07m14.9s

Dec. = -21°54'43.5"

S.D. = 00°16'41.4"

H.P. = 01°01'15.2"



## Eclipse Durations

Penumbral = 04h52m20s

Umbral = 02h51m19s

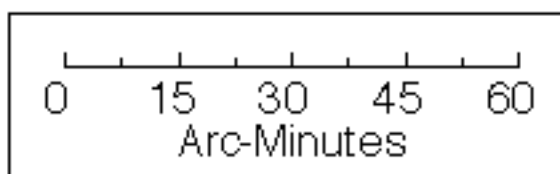
$\Delta T = 127$  s

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](http://eclipse.gsfc.nasa.gov/eclipse.html)

## Eclipse Contacts

P1 = 07:02:13 UT

U1 = 08:02:42 UT

U4 = 10:54:01 UT

P4 = 11:54:33 UT

