

Total Lunar Eclipse of 2001 Jan 09

Ecliptic Conjunction = 20:25:28.3 TD (= 20:24:24.2 UT)

Greatest Eclipse = 20:21:39.5 TD (= 20:20:35.4 UT)

Penumbral Magnitude = 2.1618

P. Radius = 1.3063°

Gamma = 0.3720

Umbral Magnitude = 1.1889

U. Radius = 0.7642°

Axis = 0.3803°

Saros Series = 134

Member = 26 of 73

Sun at Greatest Eclipse (Geocentric Coordinates)

R.A. = 19h25m03.5s

Dec. = -21°59'58.3"

S.D. = 00°16'15.9"

H.P. = 00°00'08.9"

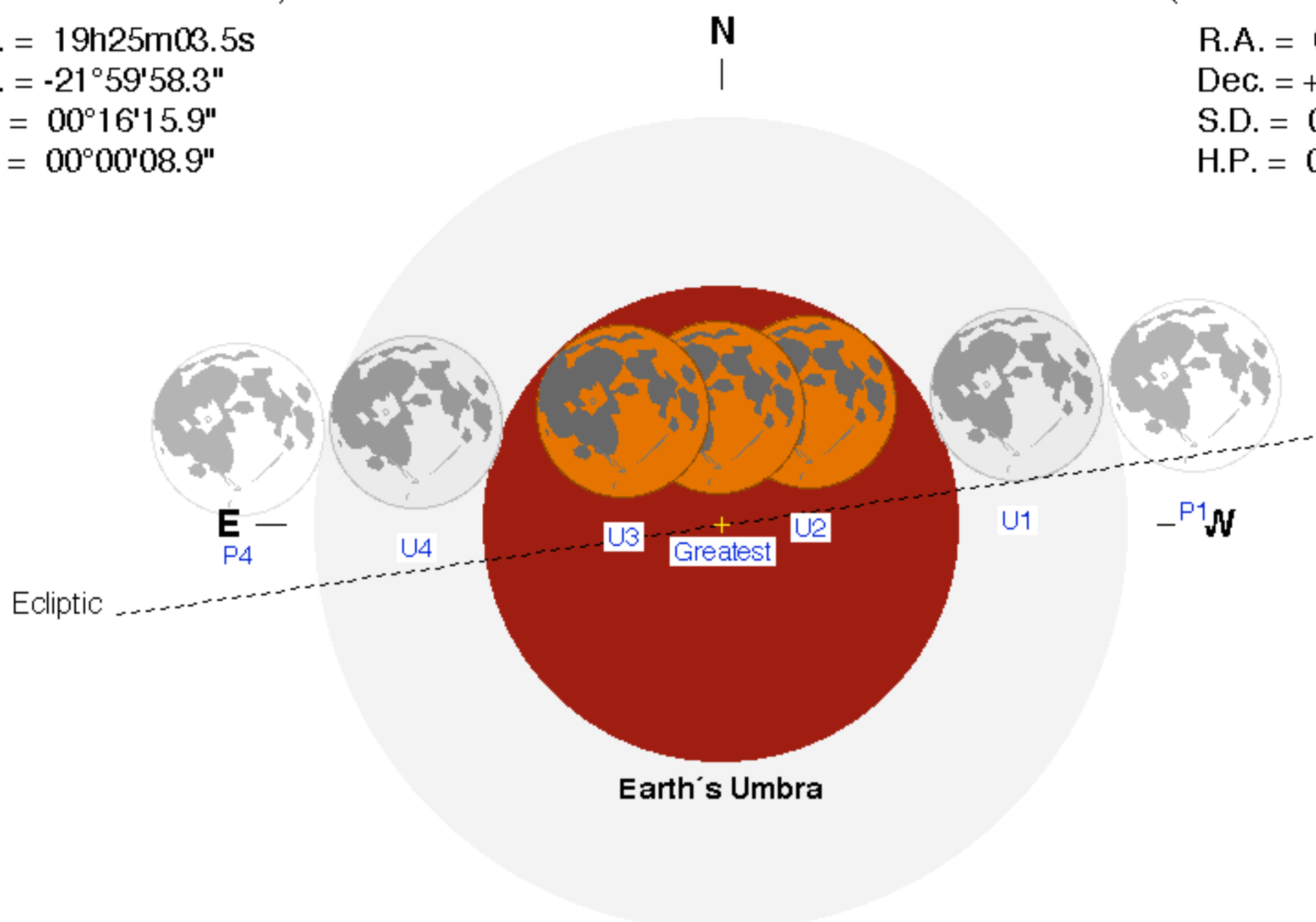
Moon at Greatest Eclipse (Geocentric Coordinates)

R.A. = 07h25m08.0s

Dec. = +22°22'46.0"

S.D. = 00°16'43.0"

H.P. = 01°01'21.1"



Eclipse Durations

Penumbral = 05h11m02s

Umbral = 03h16m19s

Total = 01h01m02s

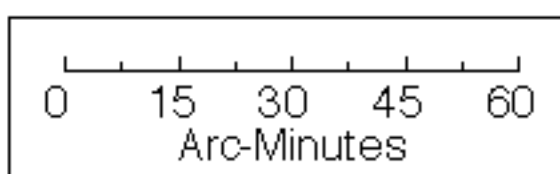
$\Delta T = 64$ s

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 = 17:45:04 UT

U1 = 18:42:27 UT

U2 = 19:50:05 UT

U3 = 20:51:07 UT

U4 = 21:58:45 UT

P4 = 22:56:06 UT

