

Penumbral Lunar Eclipse of 2085 Dec 01

Ecliptic Conjunction = 08:12:26.0 TD (= 08:09:36.0 UT)

Greatest Eclipse = 08:25:35.4 TD (= 08:22:45.4 UT)

Penumbral Magnitude = 0.6387

P. Radius = 1.2414°

Gamma = 1.2189

Umbral Magnitude = -0.3957

U. Radius = 0.7008°

Axis = 1.1689°

Saros Series = 117 Member = 56 of 72

Sun at Greatest Eclipse (Geocentric Coordinates)

R.A. = 16h32m47.2s

Dec. = -21°54'56.5"

S.D. = 00°16'13.1"

H.P. = 00°00'08.9"

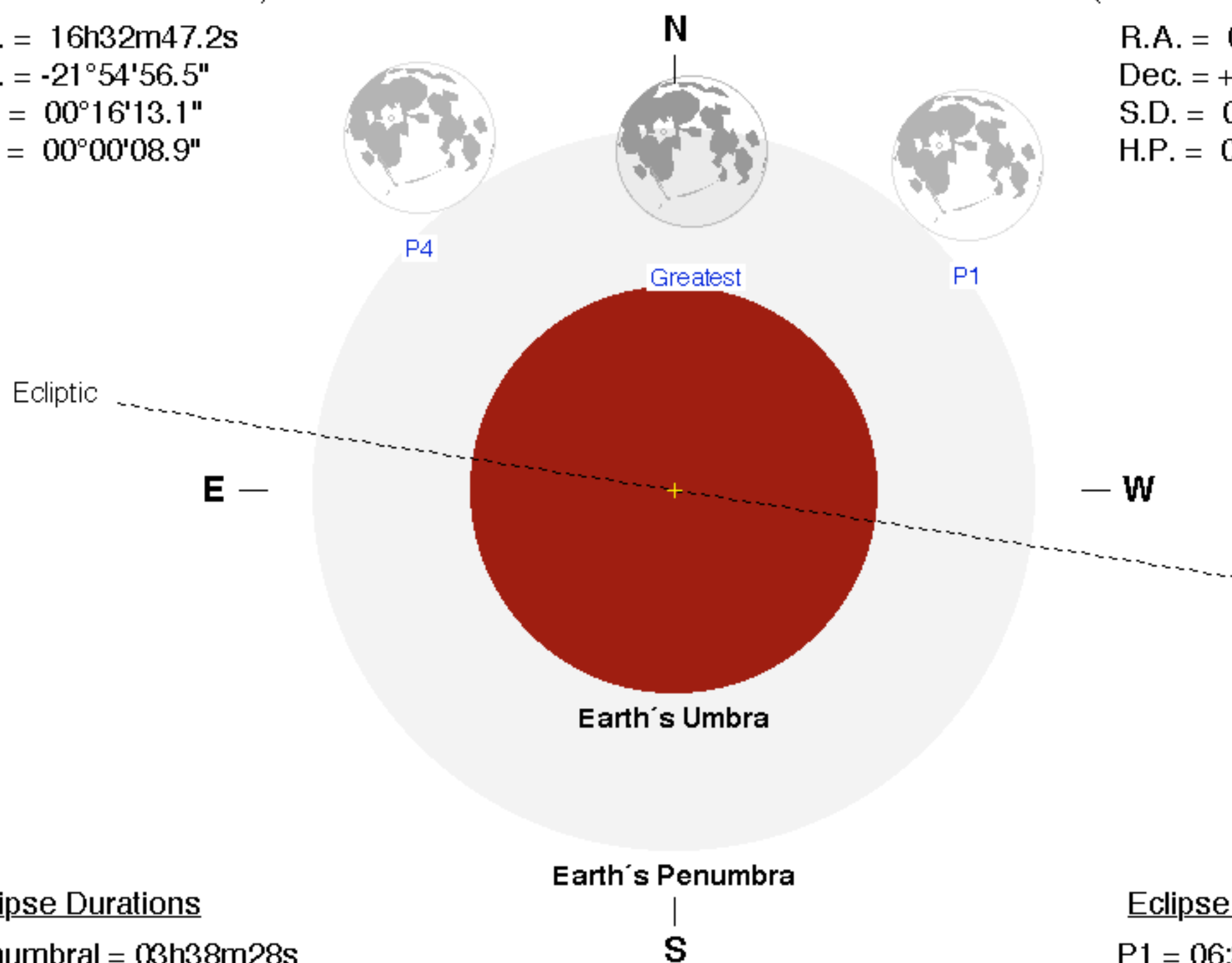
Moon at Greatest Eclipse (Geocentric Coordinates)

R.A. = 04h32m31.6s

Dec. = +23°04'59.3"

S.D. = 00°15'40.7"

H.P. = 00°57'32.5"



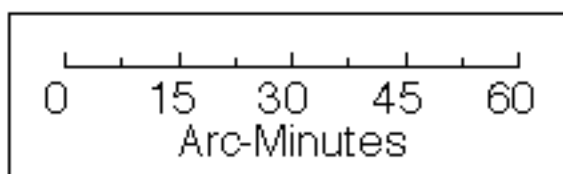
Eclipse Durations

Penumbral = 03h38m28s

Eclipse Contacts

P1 = 06:33:27 UT

P4 = 10:11:54 UT



$\Delta T = 170$ s

Rule = CdT (Danjon)

Eph. = VSOP87/ELP2000-85

F. Espenak, NASA's GSFC
eclipse.gsfc.nasa.gov/eclipse.html

