

Penumbral Lunar Eclipse of 2082 Aug 08

Ecliptic Conjunction = 14:35:20.3 TD (= 14:32:37.8 UT)

Greatest Eclipse = 14:46:41.6 TD (= 14:43:59.0 UT)

Penumbral Magnitude = 1.0011

P. Radius = 1.2109°

Gamma = -1.0203

Umbral Magnitude = -0.0294

U. Radius = 0.6851°

Axis = 0.9552°

Saros Series = 120

Member = 62 of 84

Sun at Greatest Eclipse (Geocentric Coordinates)

R.A. = 09h15m56.4s

Dec. = +15°52'33.8"

S.D. = 00°15'46.4"

H.P. = 00°00'08.7"

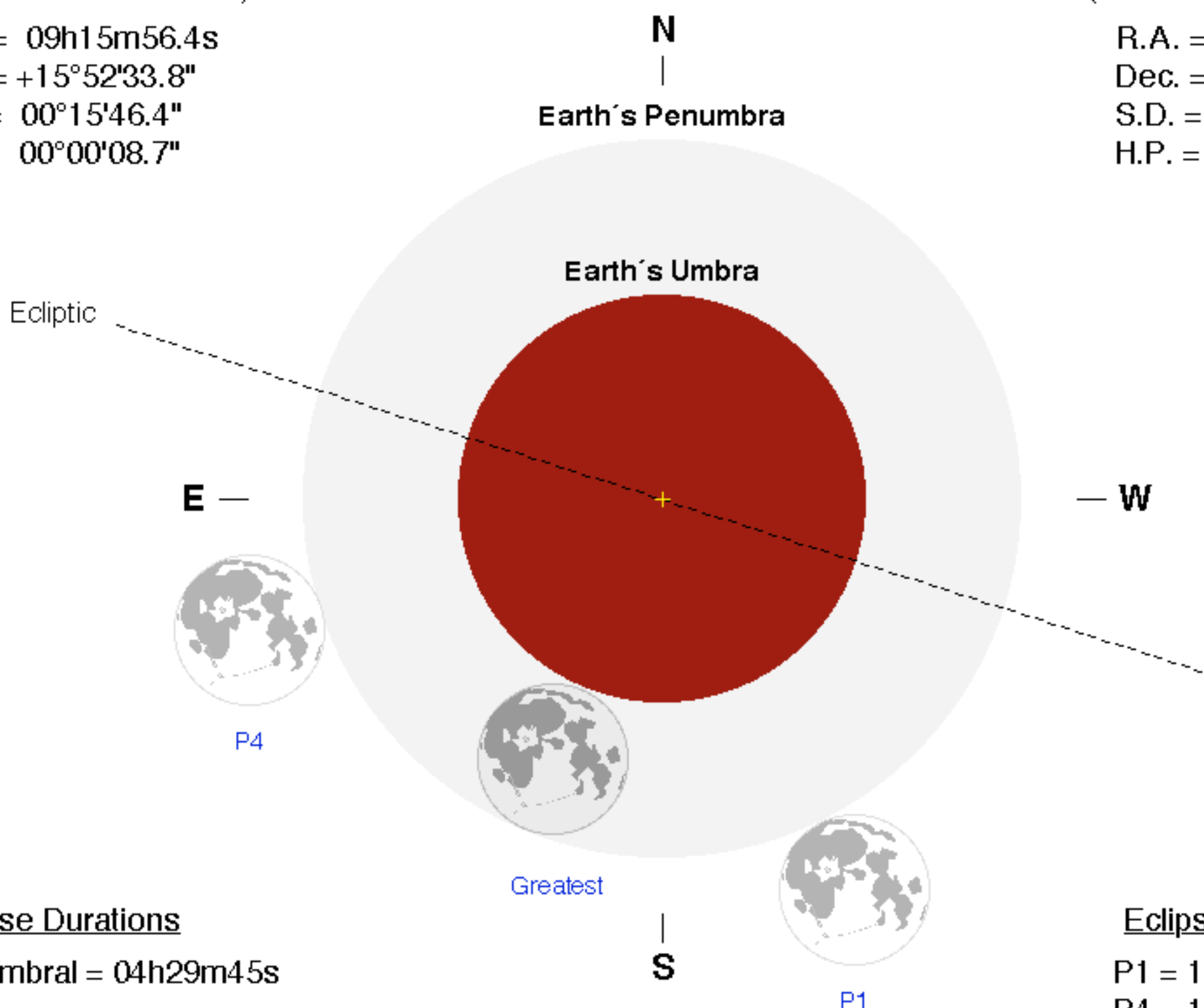
Moon at Greatest Eclipse (Geocentric Coordinates)

R.A. = 21h17m30.2s

Dec. = -16°45'16.7"

S.D. = 00°15'18.4"

H.P. = 00°56'10.5"



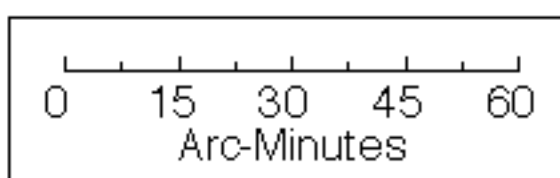
Eclipse Durations

Penumbral = 04h29m45s

Eclipse Contacts

P1 = 12:29:03 UT

P4 = 16:58:48 UT



$\Delta T = 163$ s

Rule = CdT (Danjon)

Eph. = VSOP87/ELP2000-85

F. Espenak, NASA's GSFC

eclipse.gsfc.nasa.gov/eclipse.html

