

Penumbral Lunar Eclipse of 2100 Aug 19

Ecliptic Conjunction = 21:32:55.3 TD (= 21:29:31.3 UT)

Greatest Eclipse = 21:44:58.5 TD (= 21:41:34.5 UT)

Penumbral Magnitude = 0.8716

P. Radius = 1.2144°

Gamma = -1.0905

Umbral Magnitude = -0.1575

U. Radius = 0.6877°

Axis = 1.0242°

Saros Series = 120 Member = 63 of 84

Sun at Greatest Eclipse (Geocentric Coordinates)

R.A. = 09h56m57.4s

Dec. = +12°29'47.1"

S.D. = 00°15'48.1"

H.P. = 00°00'08.7"

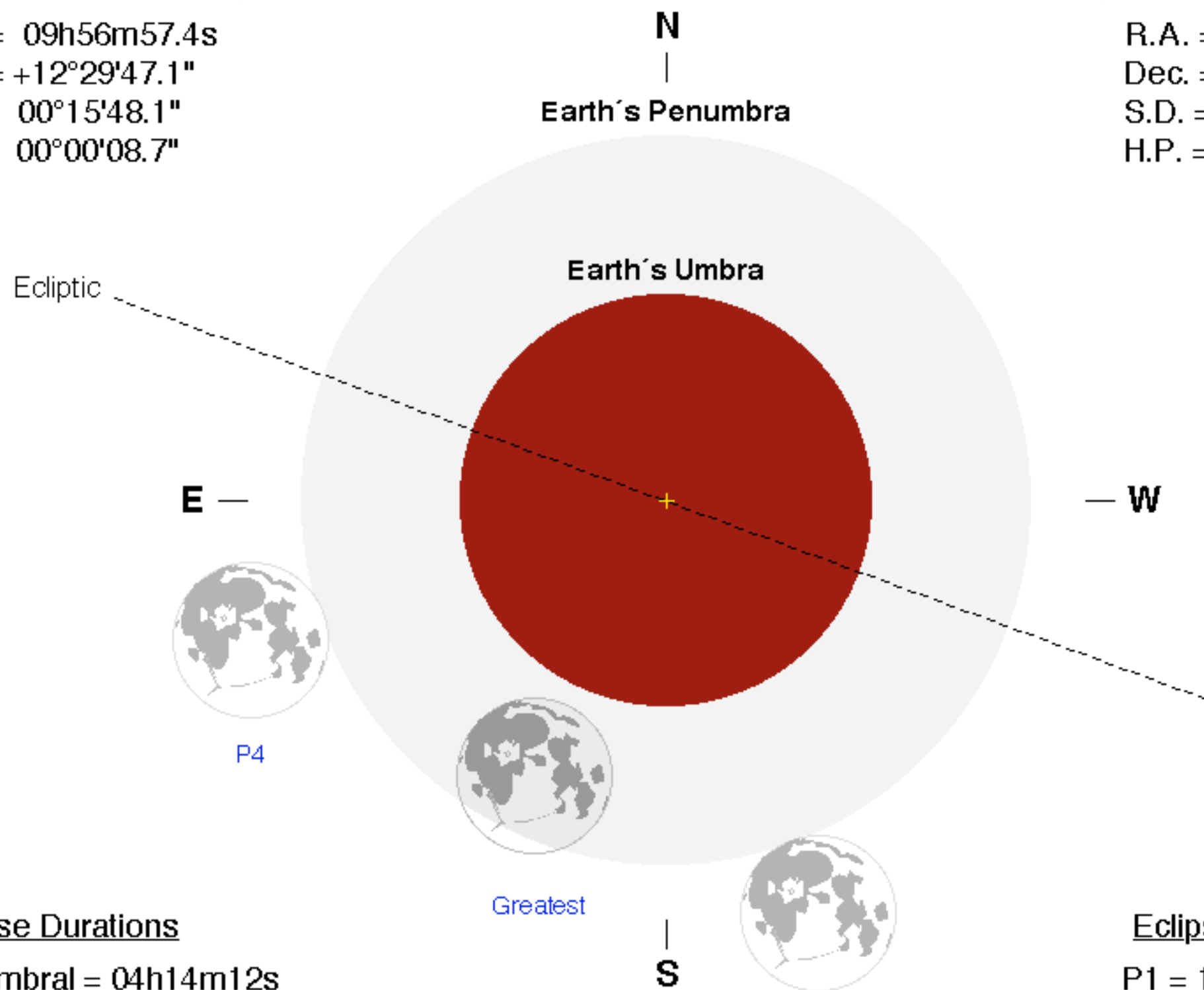
Moon at Greatest Eclipse (Geocentric Coordinates)

R.A. = 21h58m46.4s

Dec. = -13°25'12.3"

S.D. = 00°15'21.3"

H.P. = 00°56'21.3"



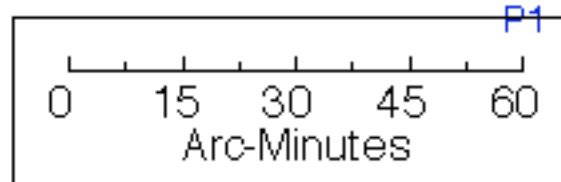
Eclipse Durations

Penumbral = 04h14m12s

Eclipse Contacts

P1 = 19:34:24 UT

P4 = 23:48:37 UT



$\Delta T = 204$ s

Rule = CdT (Danjon)

Eph. = VSOP87/ELP2000-85

F. Espenak, NASA's GSFC

eclipse.gsfc.nasa.gov/eclipse.html

