

Penumbral Lunar Eclipse of 1959 Sep 17

Ecliptic Conjunction = 00:52:07.9 TD (= 00:51:34.9 UT)

Greatest Eclipse = 01:03:37.0 TD (= 01:03:04.0 UT)

Penumbral Magnitude = 0.9874

P. Radius = 1.2156°

Gamma = 1.0296

Umbral Magnitude = -0.0496

U. Radius = 0.6852°

Axis = 0.9663°

Saros Series = 117

Member = 49 of 72

Sun at Greatest Eclipse (Geocentric Coordinates)

R.A. = 11h35m46.2s

Dec. = +02°37'11.9"

S.D. = 00°15'54.7"

H.P. = 00°00'08.7"

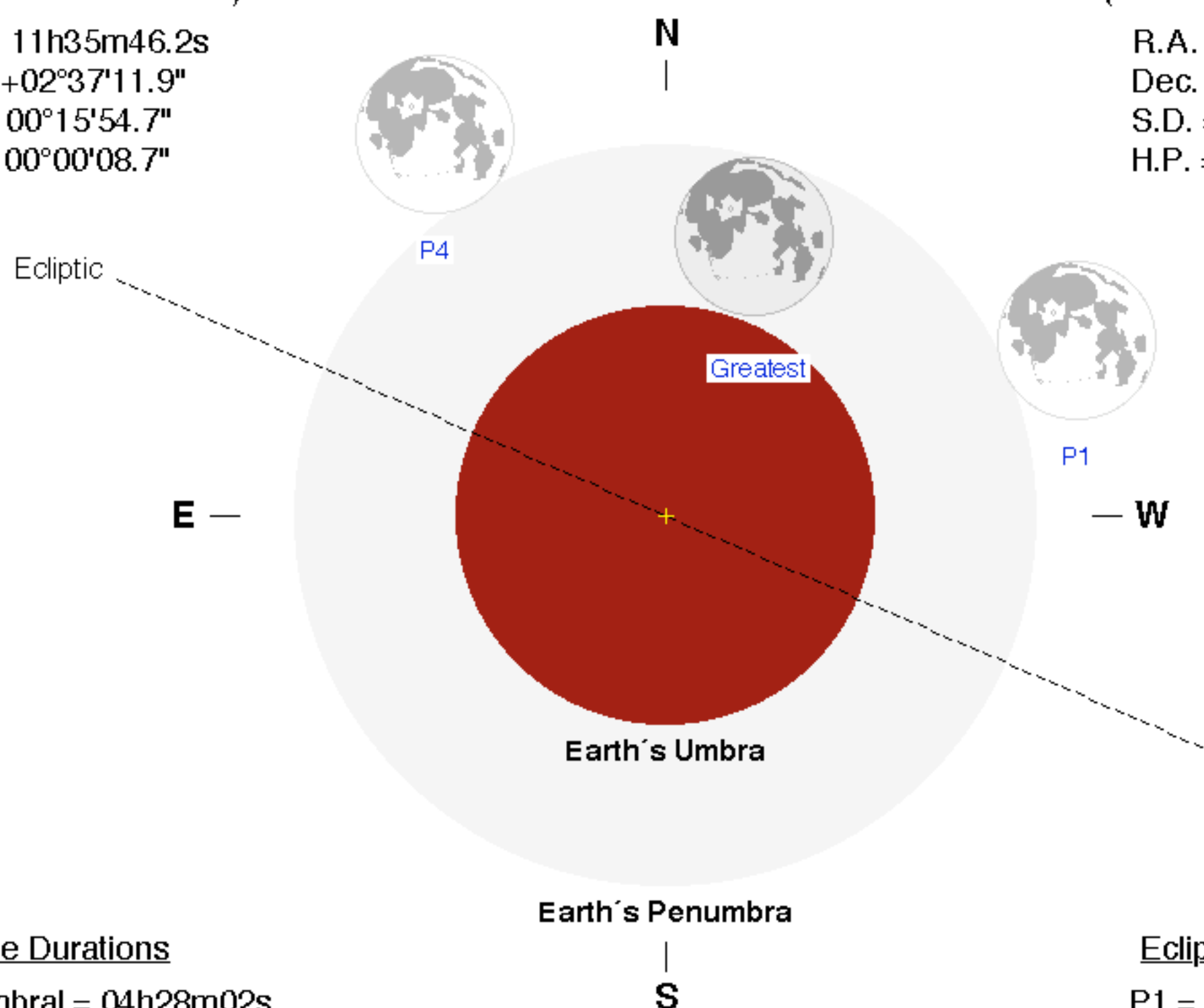
Moon at Greatest Eclipse (Geocentric Coordinates)

R.A. = 23h34m35.7s

Dec. = -01°41'57.3"

S.D. = 00°15'20.7"

H.P. = 00°56'19.0"



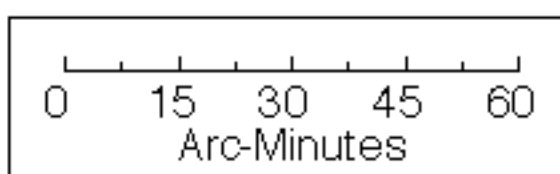
Eclipse Durations

Penumbral = 04h28m02s

Eclipse Contacts

P1 = 22:49:01 UT

P4 = 03:17:03 UT



$\Delta T = 33$ s

Rule = CdT (Danjon)

Eph. = VSOP87/ELP2000-85

F. Espenak, NASA's GSFC

eclipse.gsfc.nasa.gov/eclipse.html

