

Penumbral Lunar Eclipse of 1969 Sep 25

Ecliptic Conjunction = 20:21:30.2 TD (= 20:20:50.3 UT)

Greatest Eclipse = 20:10:19.2 TD (= 20:09:39.3 UT)

Penumbral Magnitude = 0.9007

P. Radius = 1.2579°

Gamma = 1.0655

Umbral Magnitude = -0.0953

U. Radius = 0.7261°

Axis = 1.0439°

Saros Series = 146

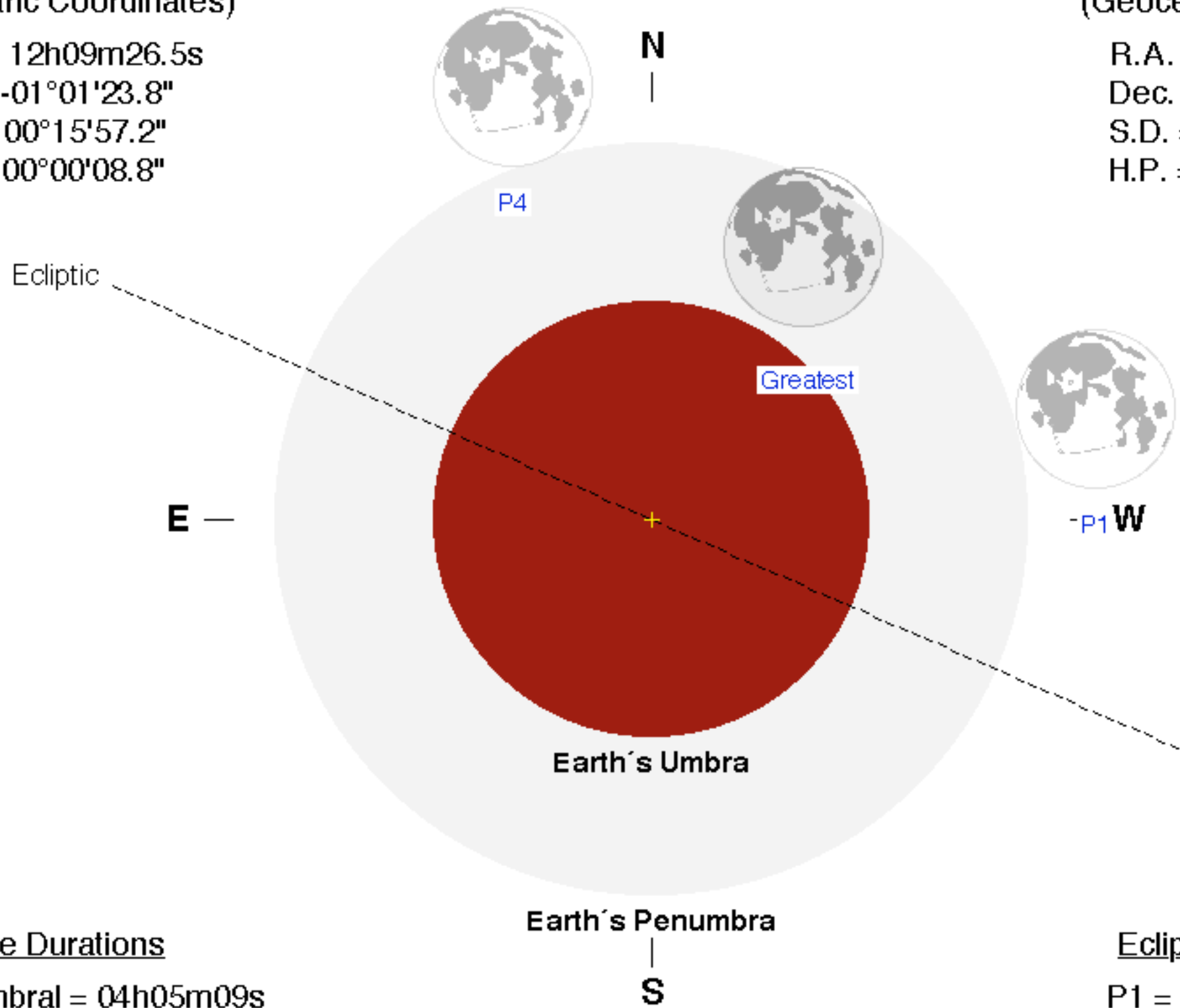
Member = 8 of 72

Sun at Greatest Eclipse (Geocentric Coordinates)

R.A. = 12h09m26.5s
Dec. = -01°01'23.8"
S.D. = 00°15'57.2"
H.P. = 00°00'08.8"

Moon at Greatest Eclipse (Geocentric Coordinates)

R.A. = 00h07m25.1s
Dec. = +01°56'11.5"
S.D. = 00°16'01.1"
H.P. = 00°58'47.2"



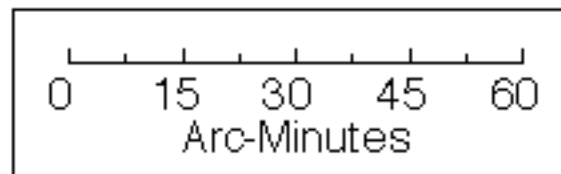
Eclipse Durations

Penumbral = 04h05m09s

Eclipse Contacts

P1 = 18:07:03 UT

P4 = 22:12:12 UT



$\Delta T = 40$ s

Rule = CdT (Danjon)

Eph. = VSOP87/ELP2000-85

F. Espenak, NASA's GSFC

eclipse.gsfc.nasa.gov/eclipse.html

