

Penumbral Lunar Eclipse of 1969 Apr 02

Ecliptic Conjunction = 18:45:32.0 TD (= 18:44:52.6 UT)

Greatest Eclipse = 18:33:06.0 TD (= 18:32:26.5 UT)

Penumbral Magnitude = 0.7033

P. Radius = 1.2495°

Gamma = -1.1764

Umbral Magnitude = -0.3047

U. Radius = 0.7162°

Axis = 1.1419°

Saros Series = 141

Member = 21 of 73

Sun at Greatest Eclipse (Geocentric Coordinates)

R.A. = 00h47m14.0s

Dec. = +05°04'17.9"

S.D. = 00°15'59.8"

H.P. = 00°00'08.8"

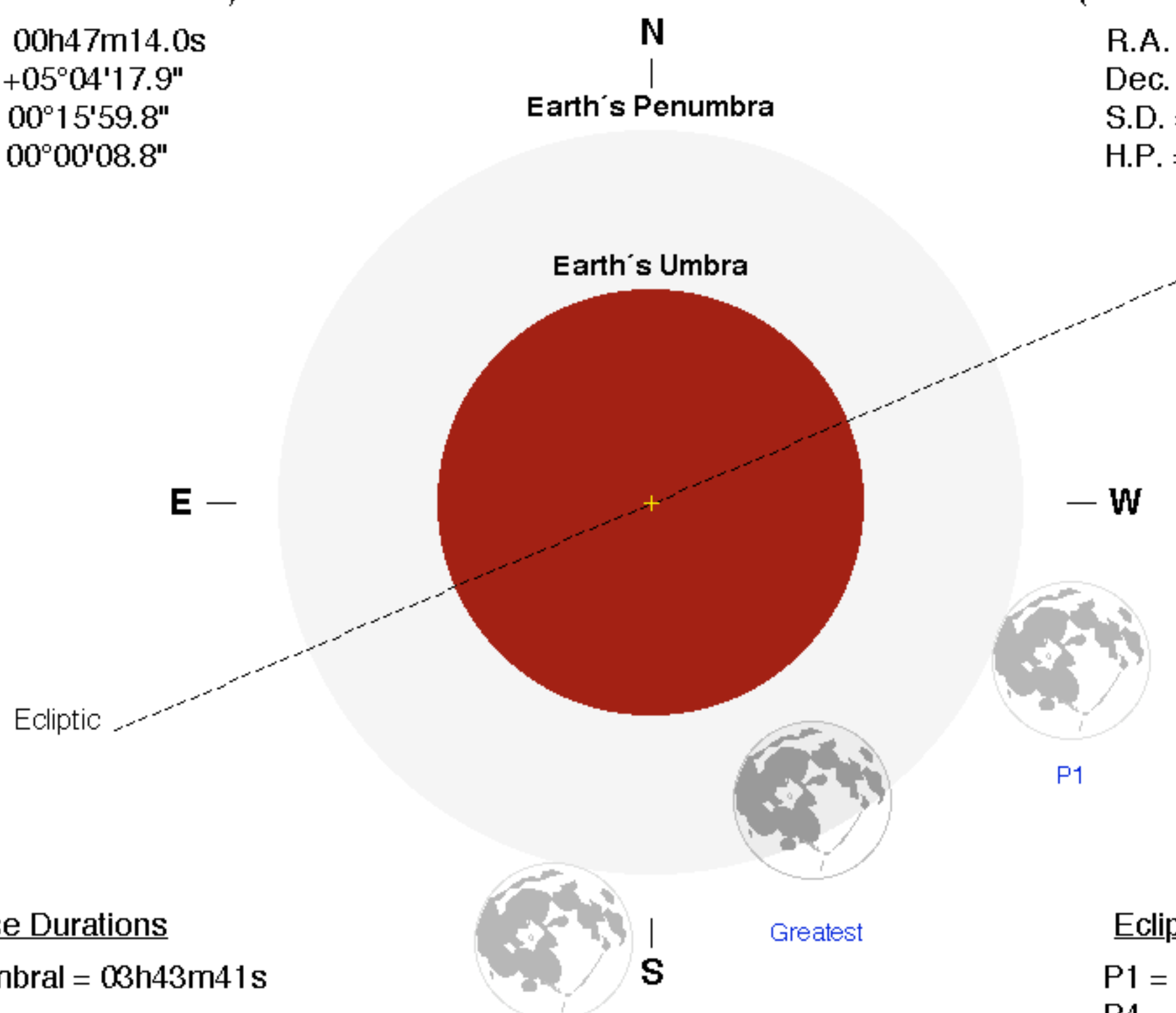
Moon at Greatest Eclipse (Geocentric Coordinates)

R.A. = 12h45m02.8s

Dec. = -06°04'31.8"

S.D. = 00°15'52.2"

H.P. = 00°58'14.5"



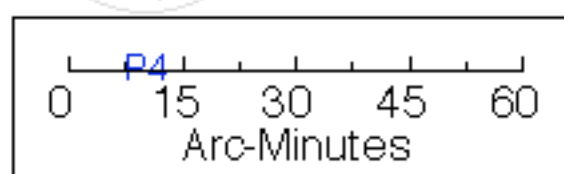
Eclipse Durations

Penumbral = 03h43m41s

Eclipse Contacts

P1 = 16:40:41 UT

P4 = 20:24:22 UT



$\Delta T = 39$ s

Rule = CdT (Danjon)

Eph. = VSOP87/ELP2000-85

F. Espenak, NASA's GSFC

eclipse.gsfc.nasa.gov/eclipse.html

