

Penumbral Lunar Eclipse of 2049 May 17

Ecliptic Conjunction = 11:15:00.6 TD (= 11:13:28.2 UT)

Greatest Eclipse = 11:26:38.7 TD (= 11:25:06.4 UT)

Penumbral Magnitude = 0.7638

P. Radius = 1.2709°

Gamma = -1.1337

Umbral Magnitude = -0.2085

U. Radius = 0.7437°

Axis = 1.1279°

Saros Series = 112 Member = 67 of 72

Sun at Greatest Eclipse (Geocentric Coordinates)

R.A. = 03h38m51.9s

Dec. = +19°28'58.5"

S.D. = 00°15'49.0"

H.P. = 00°00'08.7"

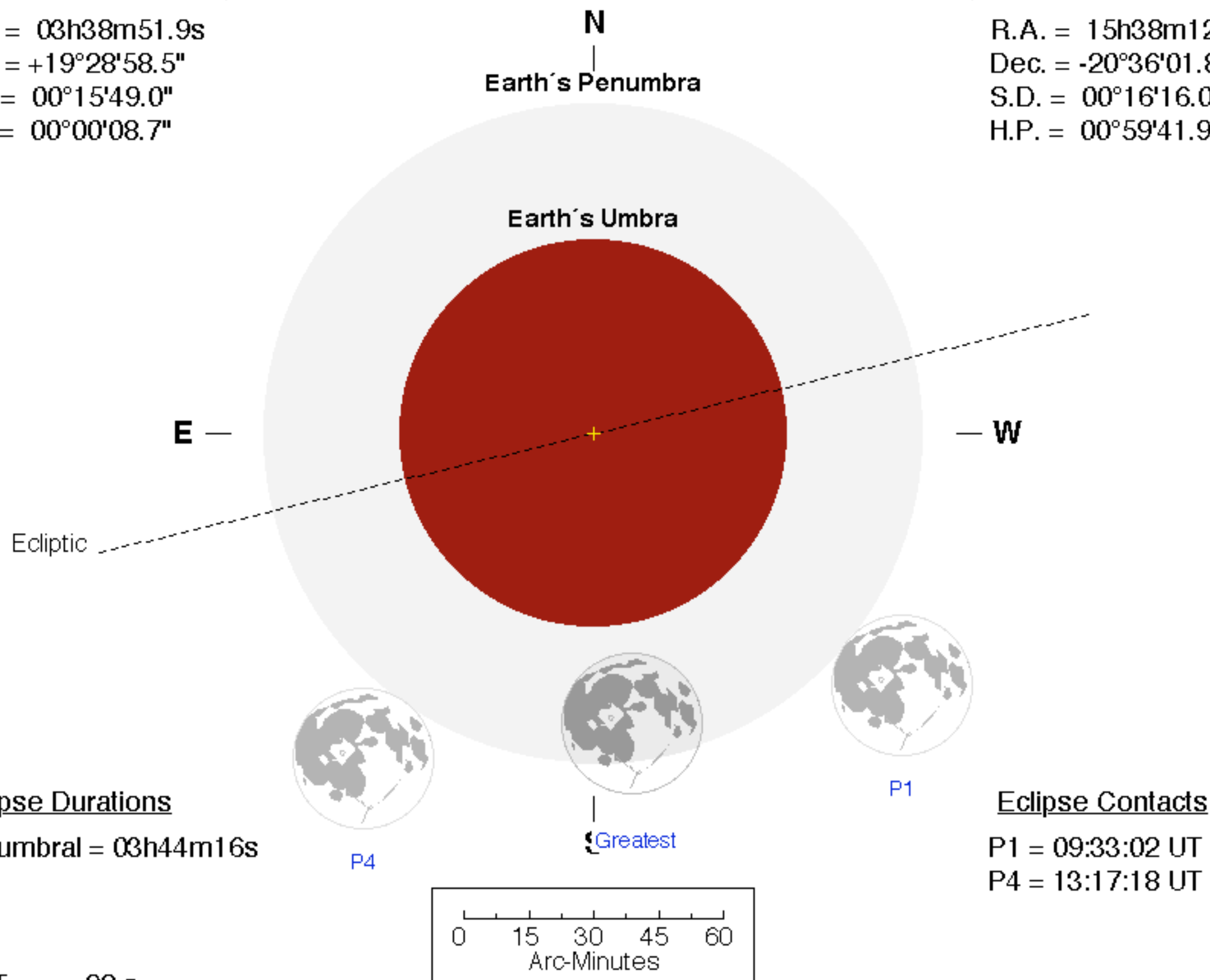
Moon at Greatest Eclipse (Geocentric Coordinates)

R.A. = 15h38m12.8s

Dec. = -20°36'01.8"

S.D. = 00°16'16.0"

H.P. = 00°59'41.9"



Eclipse Durations

Penumbral = 03h44m16s

Eclipse Contacts

P1 = 09:33:02 UT

P4 = 13:17:18 UT

$\Delta T = 92$ s

Rule = CdT (Danjon)

Eph. = VSOP87/ELP2000-85

F. Espenak, NASA's GSFC

eclipse.gsfc.nasa.gov/eclipse.html

