

Partial Lunar Eclipse of 2099 Apr 05

Ecliptic Conjunction = 08:40:22.6 TD (= 08:37:01.8 UT)

Greatest Eclipse = 08:30:56.3 TD (= 08:27:35.6 UT)

Penumbral Magnitude = 1.1333

P. Radius = 1.2925°

Gamma = -0.9304

Umbral Magnitude = 0.1680

U. Radius = 0.7594°

Axis = 0.9427°

Saros Series = 143 Member = 23 of 73

Sun at Greatest Eclipse (Geocentric Coordinates)

R.A. = 00h58m32.6s

Dec. = +06°14'54.7"

S.D. = 00°15'59.6"

H.P. = 00°00'08.8"

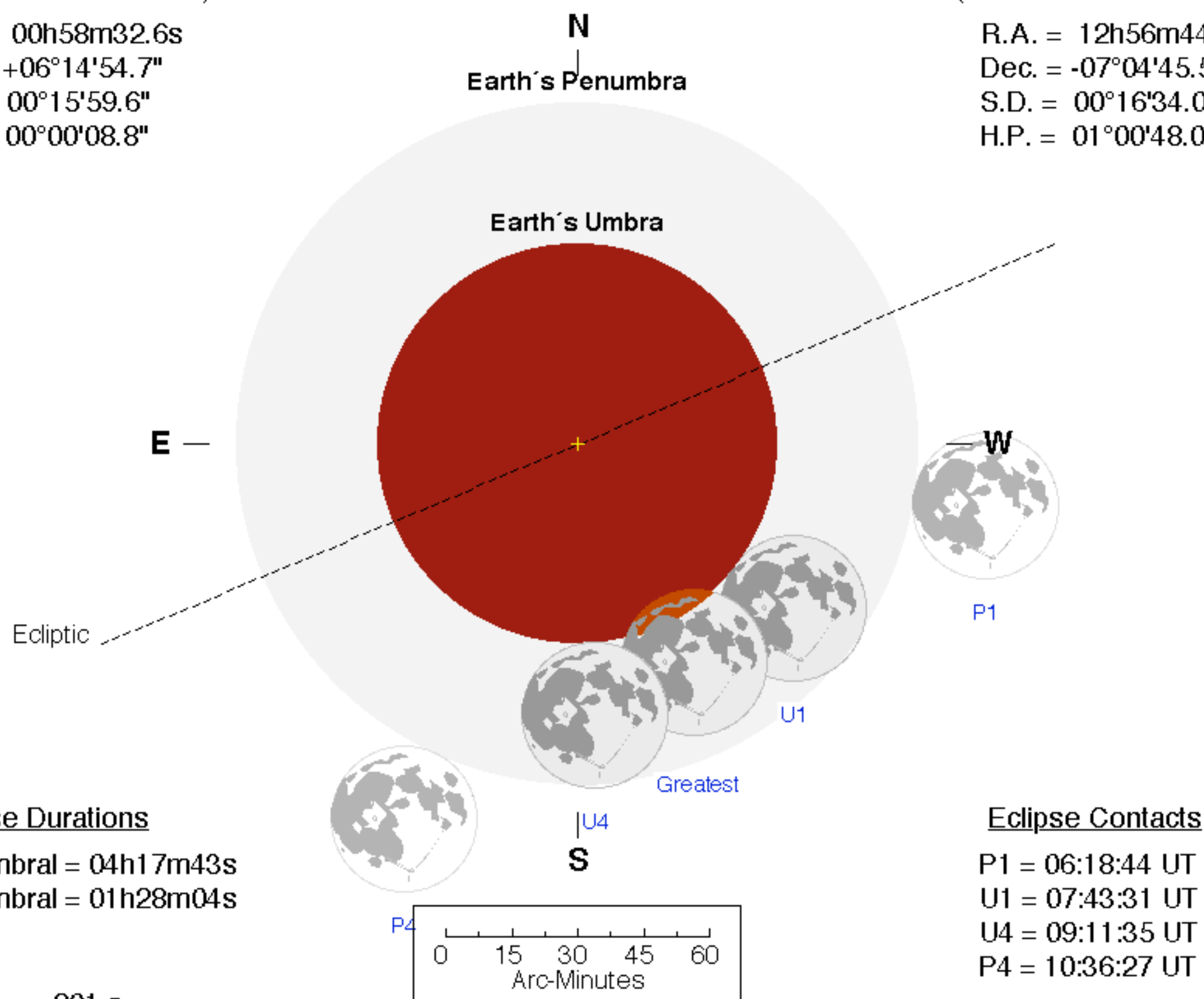
Moon at Greatest Eclipse (Geocentric Coordinates)

R.A. = 12h56m44.9s

Dec. = -07°04'45.5"

S.D. = 00°16'34.0"

H.P. = 01°00'48.0"



Eclipse Durations

Penumbral = 04h17m43s

Umbral = 01h28m04s

$\Delta T = 201$ s

Rule = CdT (Danjon)

Eph. = VSOP87/ELP2000-85

Eclipse Contacts

P1 = 06:18:44 UT

U1 = 07:43:31 UT

U4 = 09:11:35 UT

P4 = 10:36:27 UT

F. Espenak, NASA's GSFC
eclipse.gsfc.nasa.gov/eclipse.html

