

Partial Lunar Eclipse of 2017 Aug 07

Ecliptic Conjunction = 18:11:46.3 TD (= 18:10:36.0 UT)

Greatest Eclipse = 18:21:38.0 TD (= 18:20:27.7 UT)

Penumbral Magnitude = 1.2886

P. Radius = 1.2003°

Gamma = 0.8668

Umbral Magnitude = 0.2464

U. Radius = 0.6745°

Axis = 0.8024°

Saros Series = 119

Member = 62 of 83

Sun at Greatest Eclipse (Geocentric Coordinates)

R.A. = 09h11m33.0s

Dec. = +16°12'28.1"

S.D. = 00°15'46.4"

H.P. = 00°00'08.7"

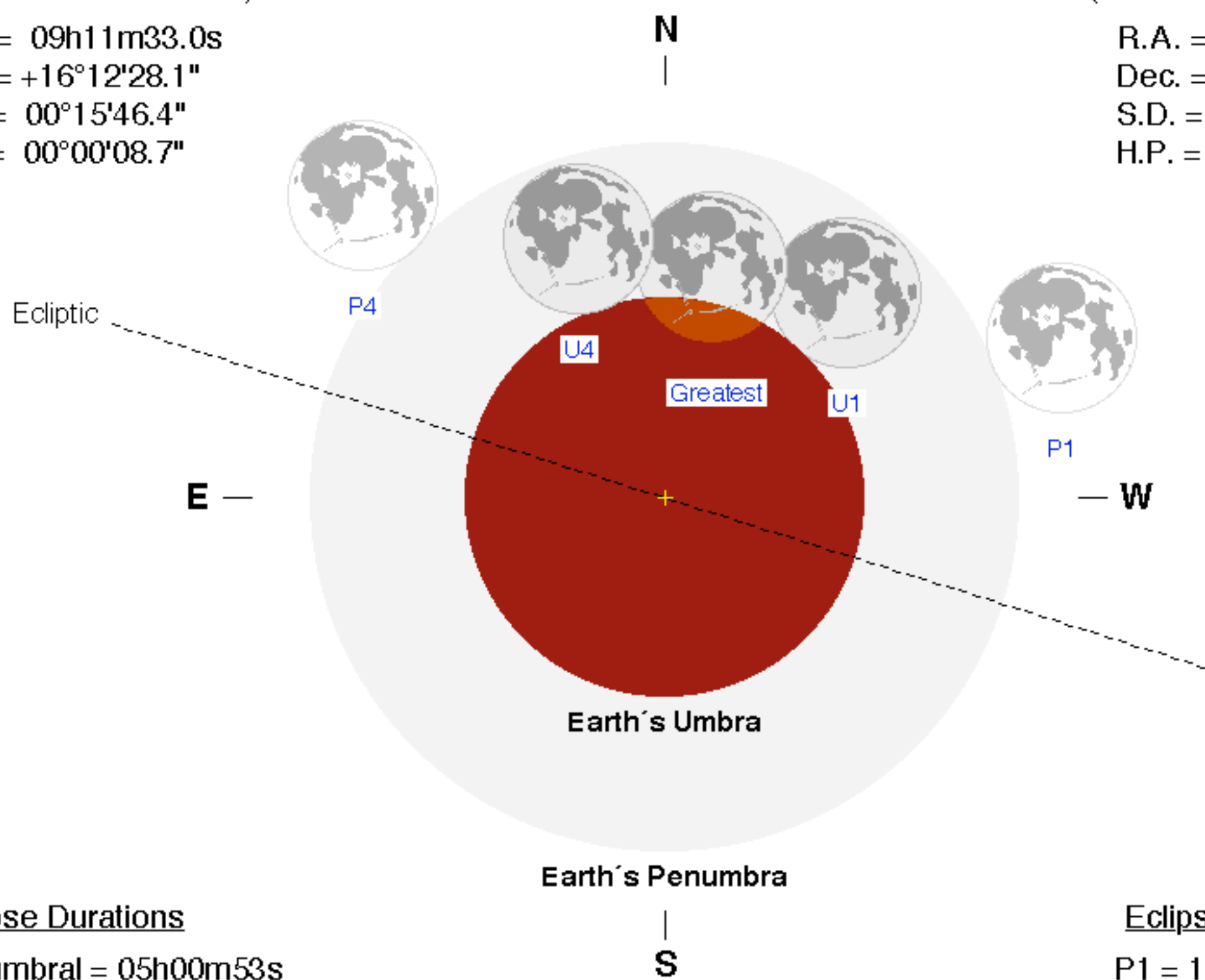
Moon at Greatest Eclipse (Geocentric Coordinates)

R.A. = 21h10m53.1s

Dec. = -15°25'17.1"

S.D. = 00°15'08.1"

H.P. = 00°55'32.7"



Eclipse Durations

Penumbral = 05h00m53s

Umbral = 01h55m14s

Eclipse Contacts

P1 = 15:50:02 UT

U1 = 17:22:55 UT

U4 = 19:18:10 UT

P4 = 20:50:56 UT

$\Delta T = 70$ s

Rule = CdT (Danjon)

Eph. = VSOP87/ELP2000-85

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

