

Total Lunar Eclipse of -0405 Apr 15

Ecliptic Conjunction = 23:36:50.0 TD (= 19:17:57.7 UT)

Greatest Eclipse = 23:33:22.8 TD (= 19:14:30.5 UT)

Penumbral Magnitude = 2.2321

P. Radius = 1.2773°

Gamma = 0.3312

Umbral Magnitude = 1.2679

U. Radius = 0.7510°

Axis = 0.3318°

Saros Series = 54

Member = 32 of 73

Sun at Greatest Eclipse (Geocentric Coordinates)

R.A. = 01h11m57.8s

Dec. = +07°44'11.5"

S.D. = 00°15'47.4"

H.P. = 00°00'08.7"

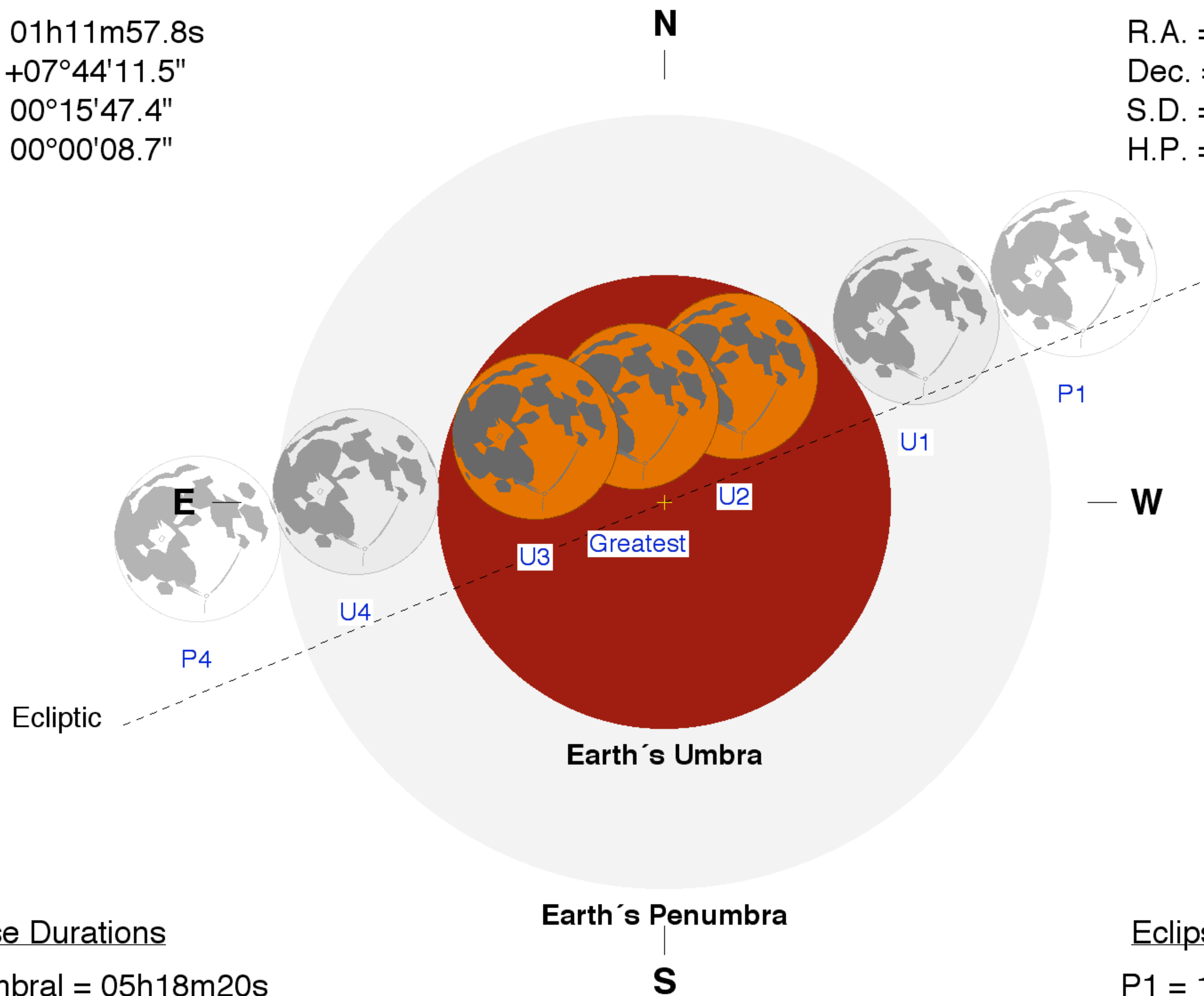
Moon at Greatest Eclipse (Geocentric Coordinates)

R.A. = 13h12m21.1s

Dec. = -07°25'08.4"

S.D. = 00°16'22.6"

H.P. = 01°00'06.2"



Eclipse Durations

Penumbral = 05h18m20s

Umbral = 03h23m39s

Total = 01h12m21s

$\Delta T = 15532$ s

Rule = CdT (Danjon)

Eph. = VSOP87/ELP2000-85

Eclipse Contacts

Eclipse Contacts

P1 = 16:35:22 UT

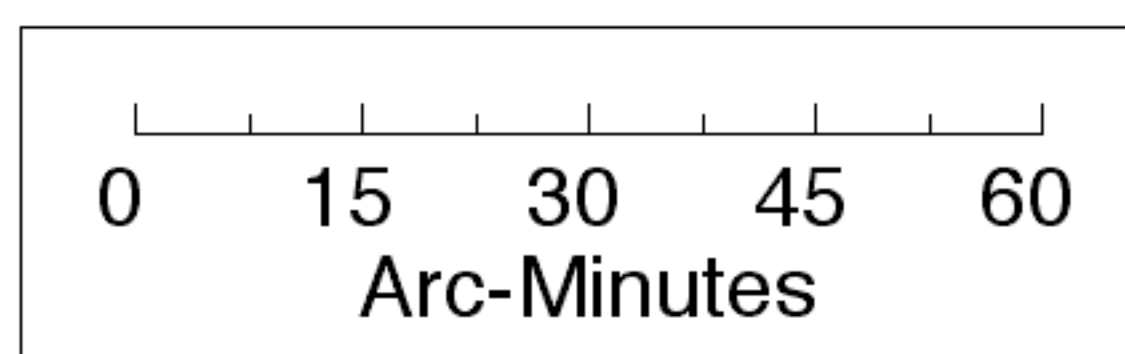
U1 = 17:32:40 UT

U2 = 18:38:19 UT

U3 = 19:50:40 UT

U4 = 20:56:19 UT

P4 = 21:53:42 UT



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

