

Total Lunar Eclipse of -0167 Jun 21

Ecliptic Conjunction = 22:00:31.4 TD (= 18:34:57.0 UT)

Greatest Eclipse = 22:04:13.5 TD (= 18:38:39.1 UT)

Penumbral Magnitude = 2.3071

P. Radius = 1.1857°

Gamma = -0.3154

Umbral Magnitude = 1.2517

U. Radius = 0.6612°

Axis = 0.2876°

Saros Series = 56

Member = 39 of 72

Sun at Greatest Eclipse (Geocentric Coordinates)

R.A. = 05h41m23.8s

Dec. = +23°38'45.9"

S.D. = 00°15'44.1"

H.P. = 00°00'08.7"

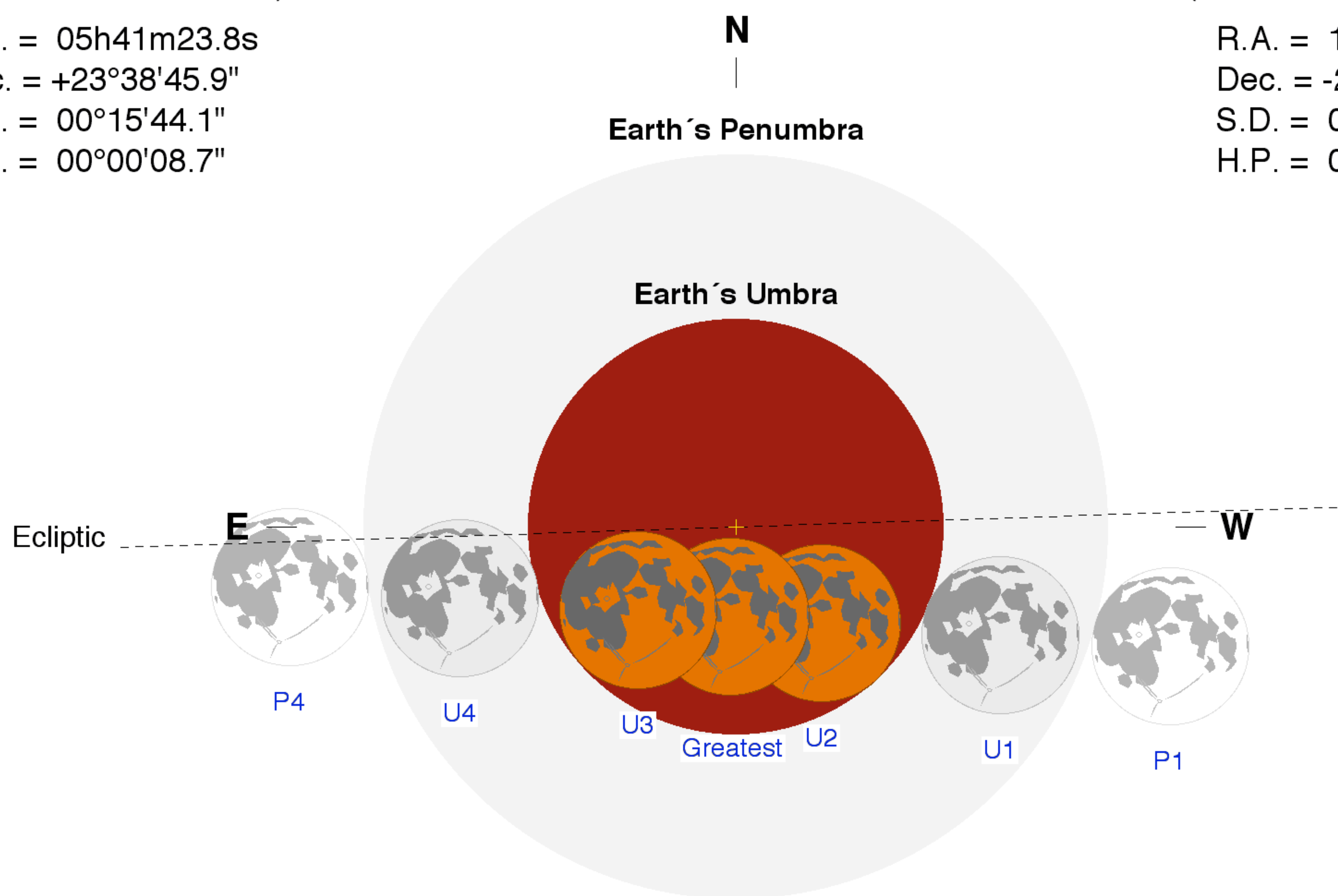
Moon at Greatest Eclipse (Geocentric Coordinates)

R.A. = 17h41m28.9s

Dec. = -23°55'59.0"

S.D. = 00°14'54.5"

H.P. = 00°54'42.8"



Eclipse Durations

Penumbral = 06h00m34s

Umbral = 03h41m29s

Total = 01h15m58s

$\Delta T = 12334$ s

Rule = CdT (Danjon)

Eph. = VSOP87/ELP2000-85

Eclipse Contacts

P1 = 15:38:24 UT

U1 = 16:47:53 UT

U2 = 18:00:39 UT

U3 = 19:16:37 UT

U4 = 20:29:23 UT

P4 = 21:38:58 UT

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

