

Total Lunar Eclipse of 2014 Oct 08

Ecliptic Conjunction = 10:51:43.3 TD (= 10:50:34.4 UT)

Greatest Eclipse = 10:55:44.0 TD (= 10:54:35.1 UT)

Penumbral Magnitude = 2.1456

P. Radius = 1.2786°

Gamma = 0.3826

Umbral Magnitude = 1.1659

U. Radius = 0.7451°

Axis = 0.3824°

Saros Series = 127

Member = 42 of 72

Sun at Greatest Eclipse (Geocentric Coordinates)

R.A. = 12h55m34.3s

Dec. = -05°56'30.7"

S.D. = 00°16'00.4"

H.P. = 00°00'08.8"

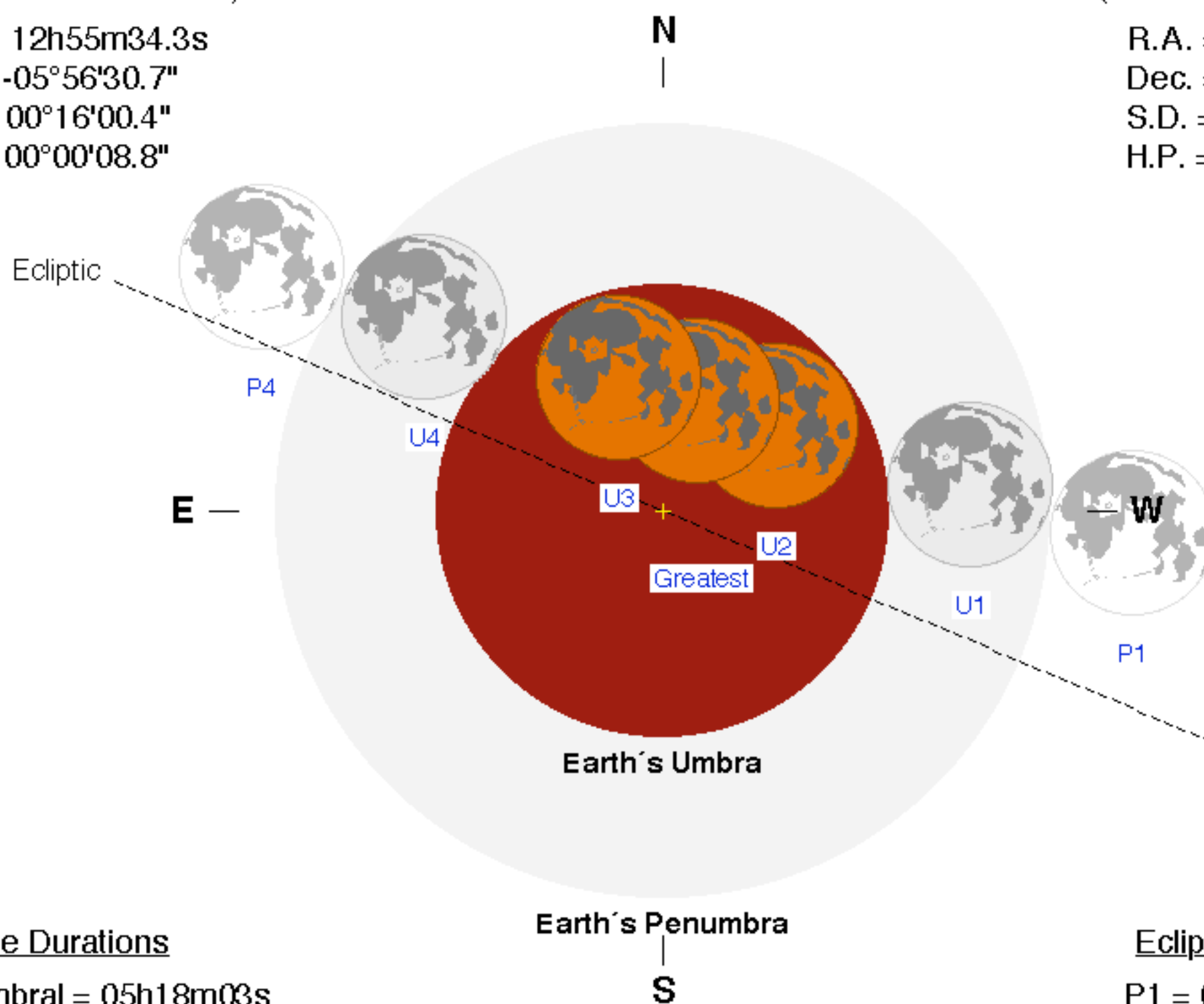
Moon at Greatest Eclipse (Geocentric Coordinates)

R.A. = 00h55m07.2s

Dec. = +06°18'26.8"

S.D. = 00°16'20.3"

H.P. = 00°59'57.9"



Eclipse Durations

Penumbral = 05h18m03s

Umbral = 03h19m31s

Total = 00h58m50s

$\Delta T = 69$ s

Rule = CdT (Danjon)

Eph. = VSOP87/ELP2000-85

Eclipse Contacts

P1 = 08:15:36 UT

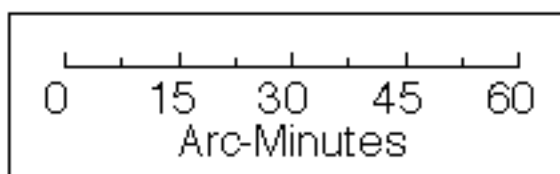
U1 = 09:14:48 UT

U2 = 10:25:09 UT

U3 = 11:23:59 UT

U4 = 12:34:19 UT

P4 = 13:33:39 UT



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

