

FIGURE 3

Total Lunar Eclipse of 2014 Oct 08

Ecliptic Conjunction = 10:51:42.8 TD (= 10:50:35.5 UT)

Greatest Eclipse = 10:55:43.6 TD (= 10:54:36.2 UT)

Penumbral Magnitude = 2.1456

P. Radius = 1.2787°

Gamma = 0.3827

Umbral Magnitude = 1.1659

U. Radius = 0.7451°

Axis = 0.3824°

Saros Series = 127

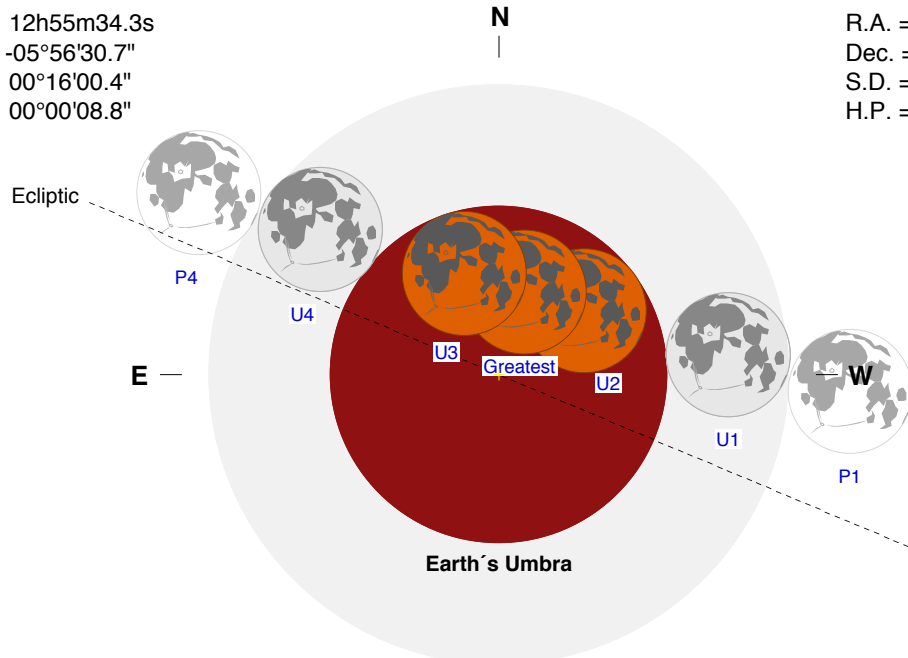
Member = 42 of 72

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 = 05h18m10s
Umbral = 03h19m33s
Total = 00h58m50s

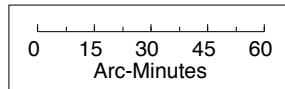
$\Delta T = 67$ s

Rule = CdT (Danjon)

Eph. = VSOP87/ELP2000-85

Earth's Penumbra

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

Eclipse Contacts

P1 = 08:15:33 UT
U1 = 09:14:48 UT
U2 = 10:25:10 UT
U3 = 11:24:00 UT
U4 = 12:34:21 UT
P4 = 13:33:43 UT

