

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

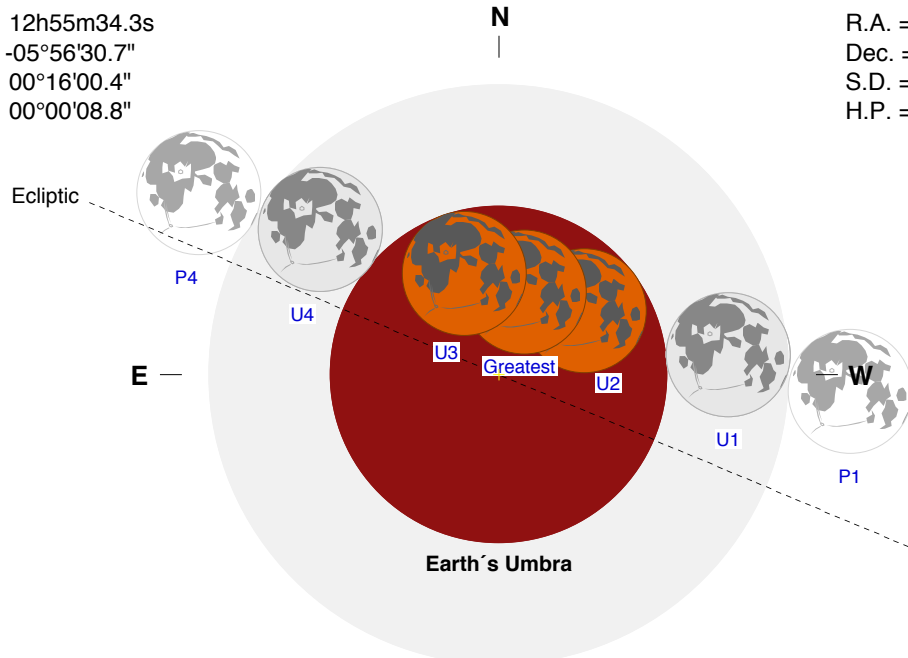
Member = 42 of 72

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

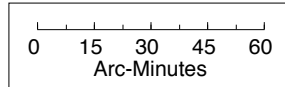
$\Delta T = 67$  s

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](http://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

