FIGURE 1

Total Lunar Eclipse of 2014 Apr 15

Ecliptic Conjunction = 07:43:24.8 TD (= 07:42:17.6 UT)
Greatest Eclipse = 07:46:47.0 TD (= 07:45:39.8 UT)

Penumbral Magnitude = 2.3183 P. Radius = 1.2267° Gamma = -0.3017
Umbral Magnitude = 1.2907 U. Radius = 0.6952° Axis = 0.2863°

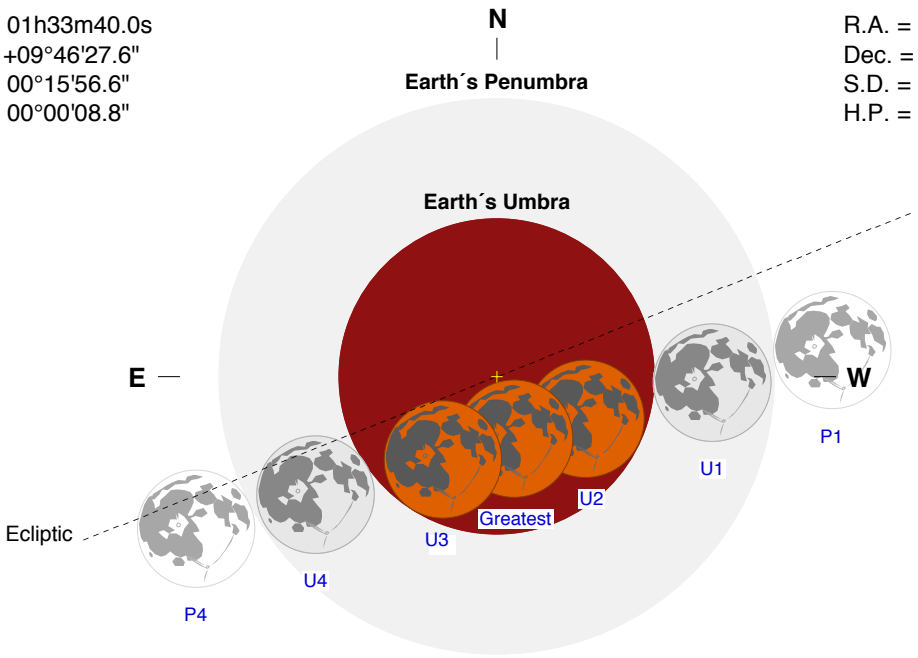
Saros Series = 122 Member = 56 of 75

Sun at Greatest Eclipse
(Geocentric Coordinates)

R.A. = 01h33m40.0s
Dec. = +09°46'27.6"
S.D. = 00°15'56.6"
H.P. = 00°00'08.8"

Moon at Greatest Eclipse
(Geocentric Coordinates)

R.A. = 13h33m21.1s
Dec. = -10°02'59.8"
S.D. = 00°15'30.9"
H.P. = 00°56'56.4"



Eclipse Durations

Penumbral = 05h44m00s
Umbral = 03h34m44s
Total = 01h17m48s

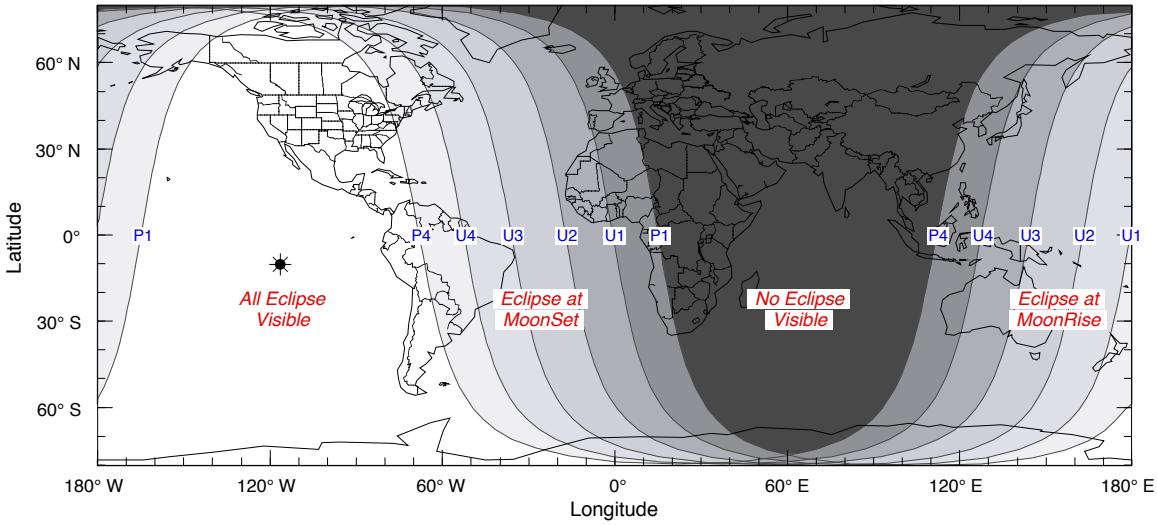
ΔT = 67 s
Rule = CdT (Danjon)
Eph. = VSOP87/ELP2000-85

0 15 30 45 60
Arc-Minutes

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

Eclipse Contacts

P1 = 04:53:37 UT
U1 = 05:58:19 UT
U2 = 07:06:47 UT
U3 = 08:24:35 UT
U4 = 09:33:04 UT
P4 = 10:37:37 UT



"Eclipses During 2014", F. Espenak, **Observer's Handbook - 2014**, Royal Astronomical Society of Canada