

Figure 2

# Total Lunar Eclipse of 2015 Apr 04

Ecliptic Conjunction = 12:06:40.8 TD (= 12:05:33.3 UT)

Greatest Eclipse = 12:01:23.1 TD (= 12:00:15.5 UT)

Penumbral Magnitude = 2.0791

P. Radius = 1.1853°

Gamma = 0.4460

Umbral Magnitude = 1.0007

U. Radius = 0.6522°

Axis = 0.4046°

Saros Series = 132

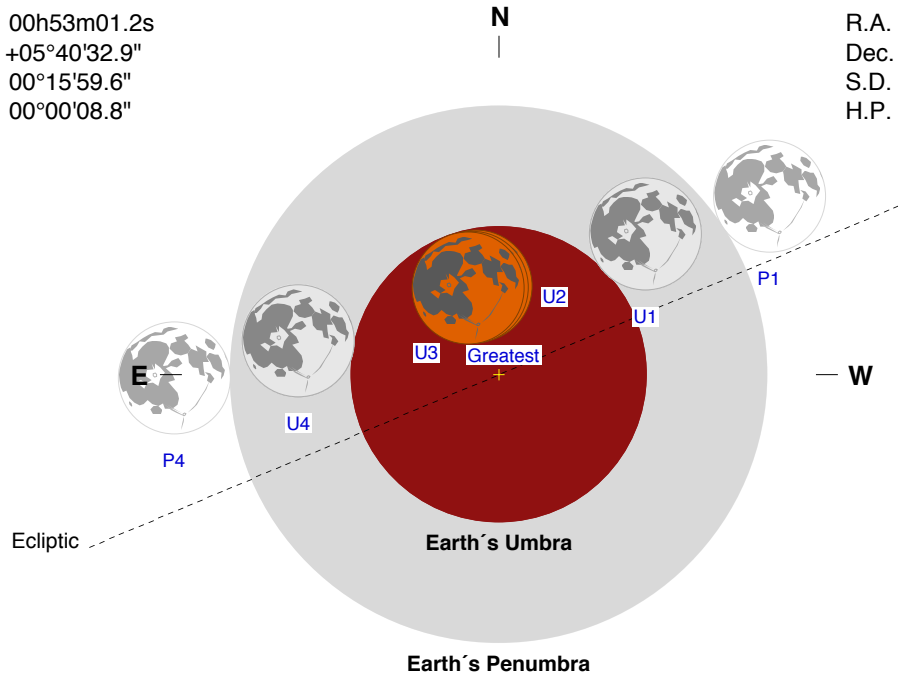
Member = 30 of 71

Sun at Greatest Eclipse  
(Geocentric Coordinates)

R.A. = 00h53m01.2s  
Dec. = +05°40'32.9"  
S.D. = 00°15'59.6"  
H.P. = 00°00'08.8"

Moon at Greatest Eclipse  
(Geocentric Coordinates)

R.A. = 12h53m29.7s  
Dec. = -05°17'20.1"  
S.D. = 00°14'49.9"  
H.P. = 00°54'25.9"



Eclipse Durations

Penumbral = 05h57m38s  
Umbral = 03h29m02s  
Total = 00h04m30s

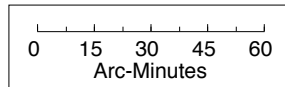
$\Delta T = 68$  s

Rule = CdT (Danjon)

Eph. = VSOP87/ELP2000-85

Earth's Penumbra

S



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

2014 Jun 23

Eclipse Contacts

P1 = 09:01:25 UT  
U1 = 10:15:46 UT  
U2 = 11:58:01 UT  
U3 = 12:02:32 UT  
U4 = 13:44:48 UT  
P4 = 14:59:03 UT

