

Total Lunar Eclipse of 2015 Apr 04

Ecliptic Conjunction = 12:06:41.8 TD (= 12:05:32.7 UT)

Greatest Eclipse = 12:01:23.6 TD (= 12:00:14.5 UT)

Penumbral Magnitude = 2.0792

P. Radius = 1.1853°

Gamma = 0.4460

Umbral Magnitude = 1.0008

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"

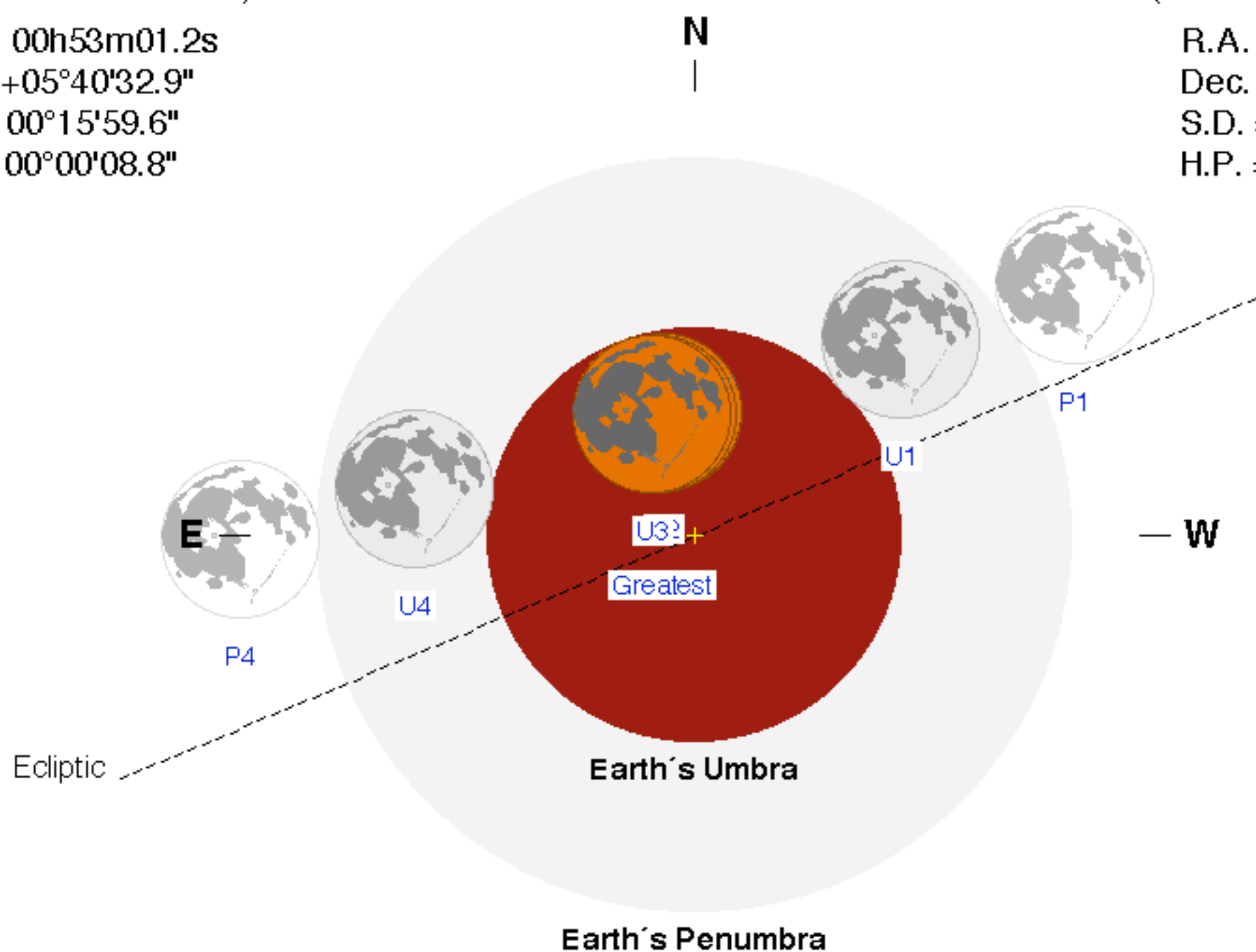
Moon at Greatest Eclipse (Geocentric Coordinates)

R.A. = 12h53m29.7s

Dec. = -05°17'20.2"

S.D. = 00°14'49.9"

H.P. = 00°54'25.9"



Eclipse Durations

Penumbral = 05h57m32s

Umbral = 03h29m00s

Total = 00h04m43s

$\Delta T = 69$ s

Rule = CdT (Danjon)

Eph. = VSOP87/ELP2000-85

Eclipse Contacts

P1 = 09:01:27 UT

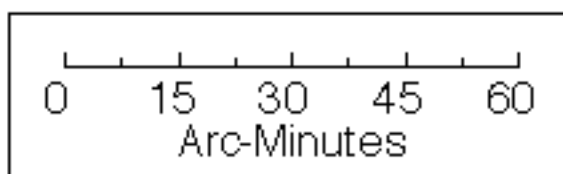
U1 = 10:15:45 UT

U2 = 11:57:54 UT

U3 = 12:02:37 UT

U4 = 13:44:46 UT

P4 = 14:58:58 UT



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

