

Total Lunar Eclipse of 2014 Apr 15

Ecliptic Conjunction = 07:43:25.1 TD (= 07:42:16.5 UT)

Greatest Eclipse = 07:46:47.6 TD (= 07:45:38.9 UT)

Penumbral Magnitude = 2.3182

P. Radius = 1.2266°

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"

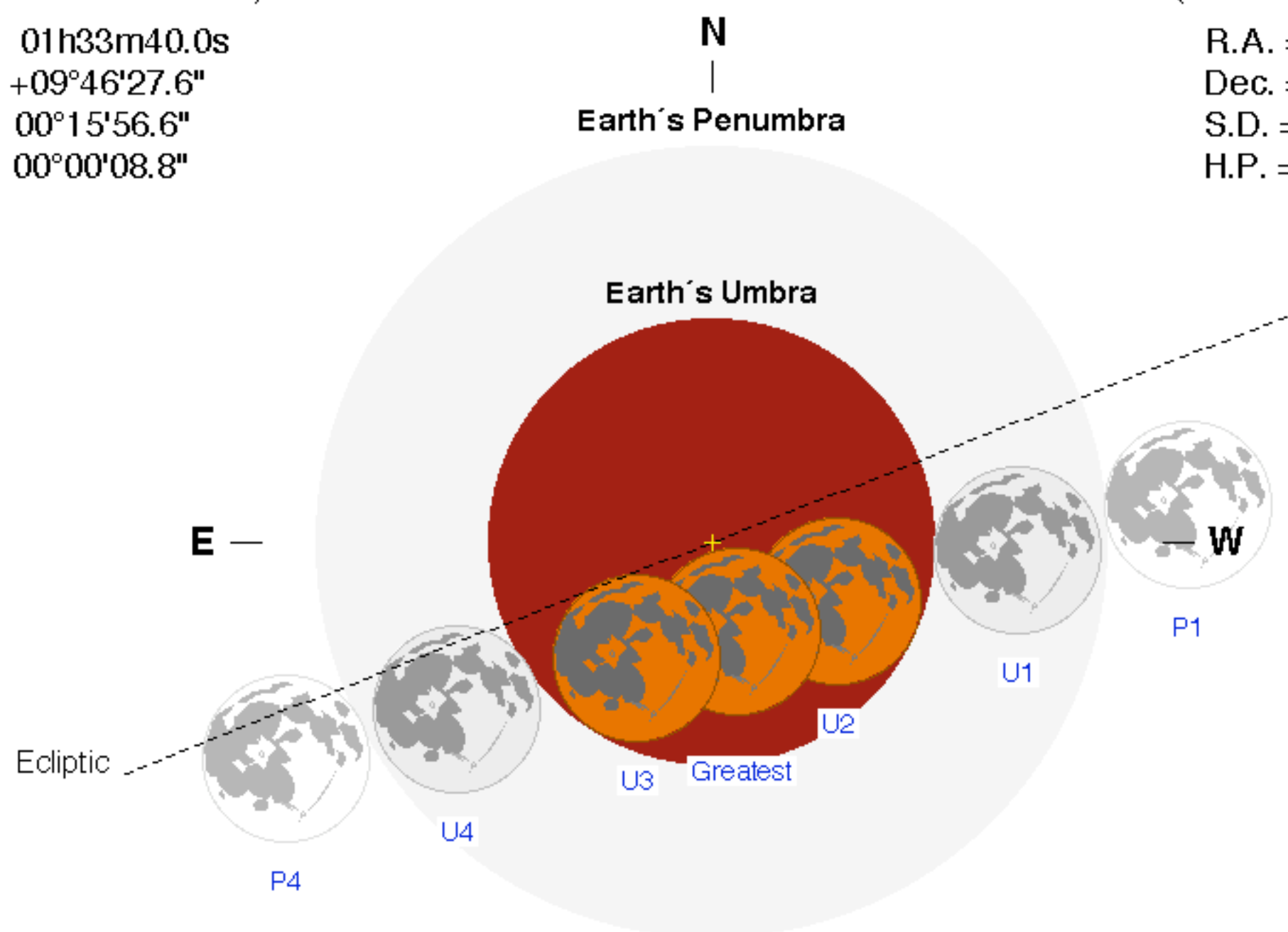
Moon at Greatest Eclipse (Geocentric Coordinates)

R.A. = 13h33m21.1s

Dec. = -10°02'59.8"

S.D. = 00°15'30.9"

H.P. = 00°56'56.4"



Eclipse Durations

Penumbral = 05h43m54s

Umbral = 03h34m43s

Total = 01h17m48s

$\Delta T = 69$ s

Rule = CdT (Danjon)

Eph. = VSOP87/ELP2000-85

Eclipse Contacts

P1 = 04:53:40 UT

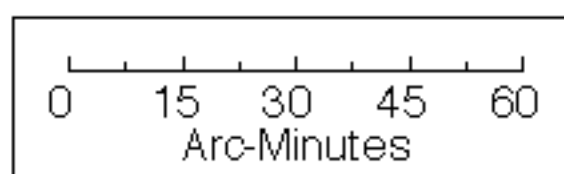
U1 = 05:58:19 UT

U2 = 07:06:46 UT

U3 = 08:24:34 UT

U4 = 09:33:02 UT

P4 = 10:37:33 UT



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eclipse.gsfc.nasa.gov/eclipse.html

