

Total Lunar Eclipse of 2025 Mar 14

Ecliptic Conjunction = 06:55:48.0 TD (= 06:54:33.5 UT)

Greatest Eclipse = 06:59:56.2 TD (= 06:58:41.7 UT)

Penumbral Magnitude = 2.2595

P. Radius = 1.1899°

Gamma = 0.3484

Umbral Magnitude = 1.1784

U. Radius = 0.6537°

Axis = 0.3171°

Saros Series = 123

Member = 53 of 73

Sun at Greatest Eclipse (Geocentric Coordinates)

R.A. = 23h37m46.0s

Dec. = -02°24'16.8"

S.D. = 00°16'05.2"

H.P. = 00°00'08.8"

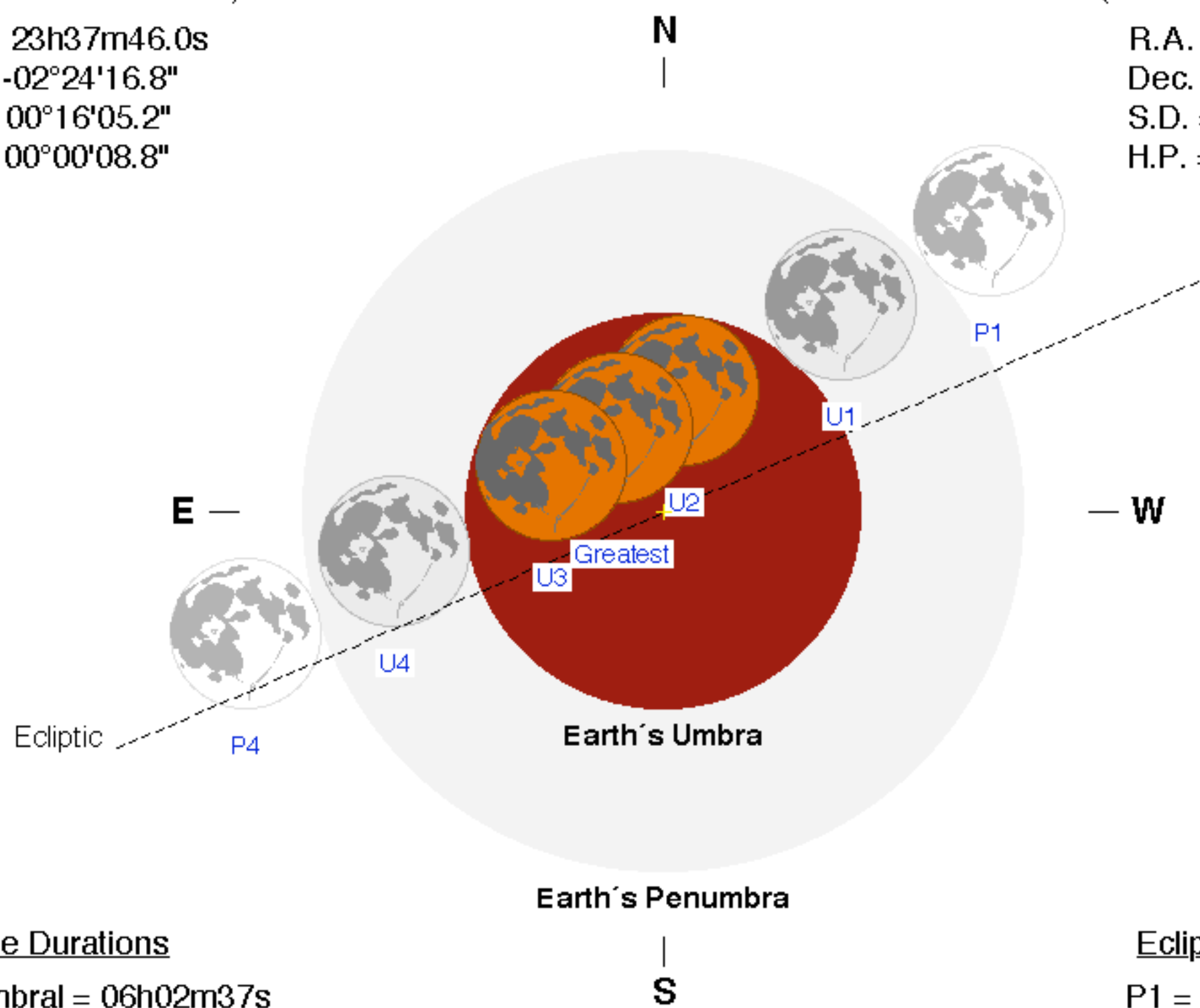
Moon at Greatest Eclipse (Geocentric Coordinates)

R.A. = 11h38m23.0s

Dec. = +02°40'54.6"

S.D. = 00°14'52.8"

H.P. = 00°54'36.8"



Eclipse Durations

Penumbral = 06h02m37s

Umbral = 03h38m15s

Total = 01h05m24s

$\Delta T = 75$ s

Rule = CdT (Danjon)

Eph. = VSOP87/ELP2000-85

Eclipse Contacts

P1 = 03:57:24 UT

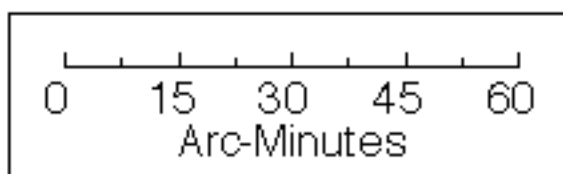
U1 = 05:09:33 UT

U2 = 06:25:59 UT

U3 = 07:31:23 UT

U4 = 08:47:48 UT

P4 = 10:00:01 UT



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

