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°

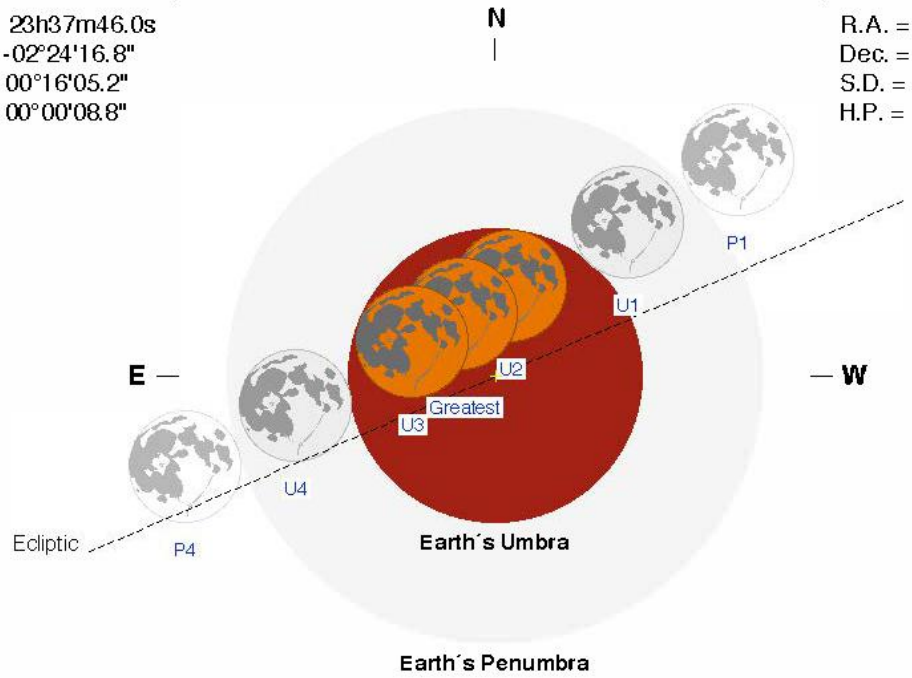
Saros Series = 123 Member = 53 of 73

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)

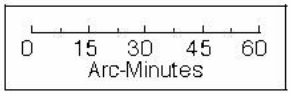
R.A. = 11h38m23.0s
Dec. = +02°40'54.6"
S.D. = 00°14'52.8"
H.P. = 00°54'36.8"



Eclipse Durations

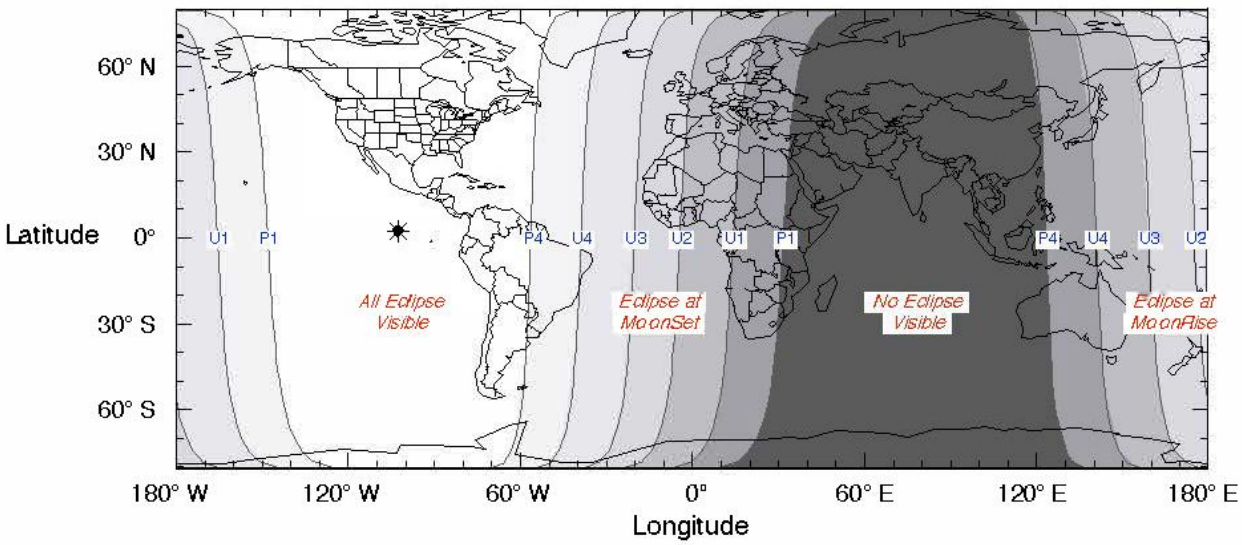
Penumbral = 06h02m37s
Umbral = 03h38m15s
Total = 01h05m24s

ΔT = 75 s
Rule = CdT (Danjon)
Eph. = VSOP87/ELP2000-85



Eclipse Predictions by Fred Espenak, NASA/GSFC Emeritus

Eclipse Contacts
P1 = 23:57:24 EDT (3/13)
U1 = 01:09:33 EDT (3/14)
U2 = 02:25:59 EDT (3/14)
U3 = 03:31:23 EDT (3/14)
U4 = 04:47:48 EDT (3/14)
P4 = 06:00:01 EDT (3/14)



2009 Apr 29