

Total Lunar Eclipse of 1949 Apr 13

Ecliptic Conjunction = 04:08:53.0 TD (= 04:08:24.3 UT)

Greatest Eclipse = 04:11:25.1 TD (= 04:10:56.3 UT)

Penumbral Magnitude = 2.3825

P. Radius = 1.2973°

Gamma = 0.2474

Umbral Magnitude = 1.4251

U. Radius = 0.7657°

Axis = 0.2520°

Saros Series = 121

Member = 52 of 84

Sun at Greatest Eclipse (Geocentric Coordinates)

R.A. = 01h24m45.8s

Dec. = +08°54'38.7"

S.D. = 00°15'56.9"

H.P. = 00°00'08.8"

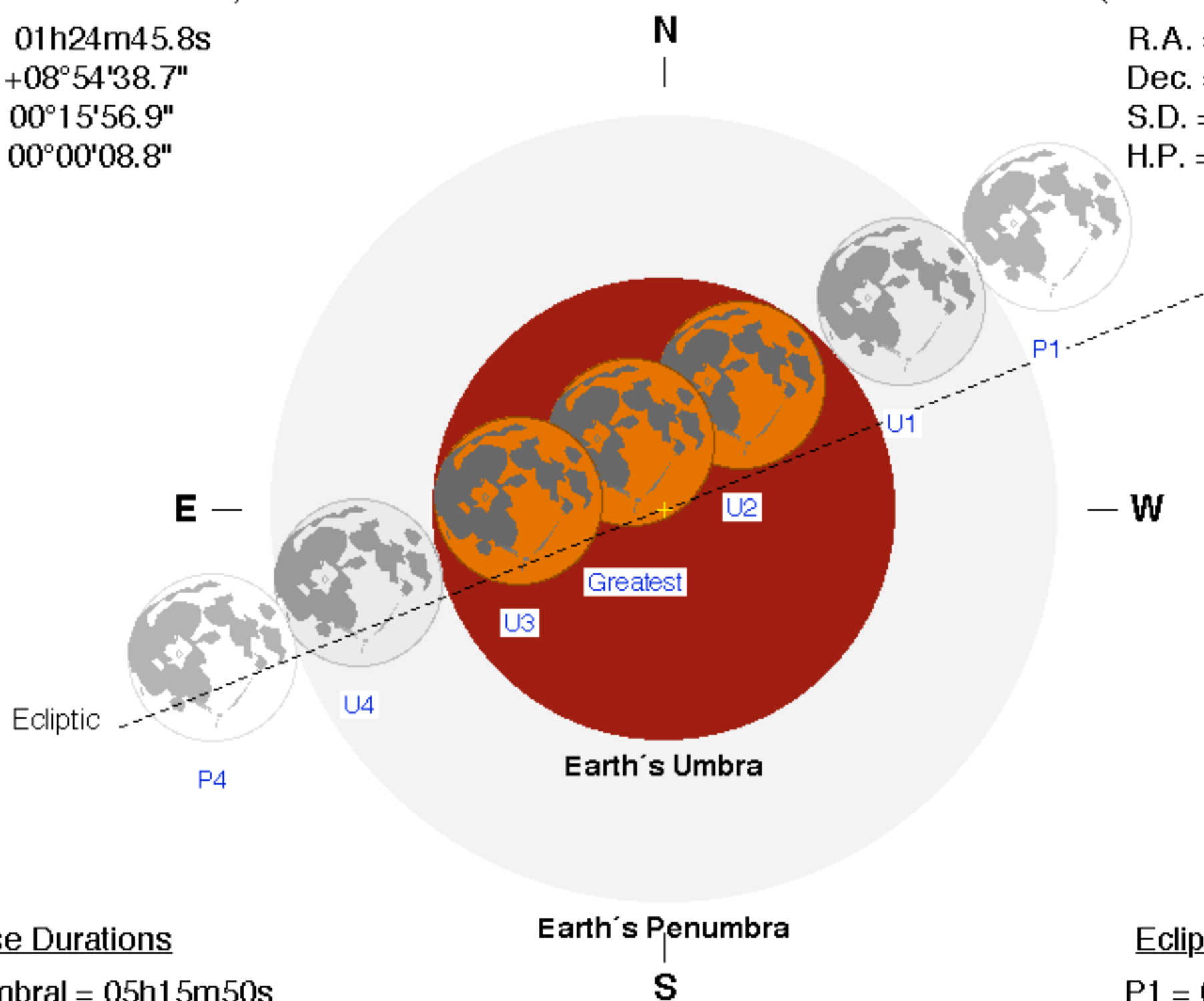
Moon at Greatest Eclipse (Geocentric Coordinates)

R.A. = 13h25m14.0s

Dec. = -08°41'13.3"

S.D. = 00°16'39.4"

H.P. = 01°01'07.9"



Eclipse Durations

Penumbral = 05h15m50s

Umbral = 03h25m42s

Total = 01h24m56s

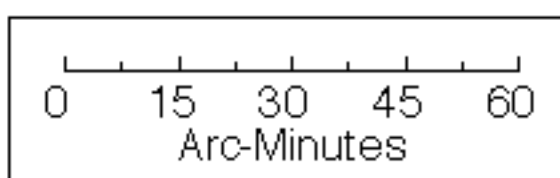
$\Delta T = 29$ s

Rule = CdT (Danjon)

Eph. = VSOP87/ELP2000-85

Earth's Penumbra

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F. Espenak, NASA's GSFC

eclipse.gsfc.nasa.gov/eclipse.html

Eclipse Contacts

P1 = 01:33:02 UT

U1 = 02:28:05 UT

U2 = 03:28:28 UT

U3 = 04:53:24 UT

U4 = 05:53:47 UT

P4 = 06:48:52 UT

