

Total Lunar Eclipse of 1975 May 25

Ecliptic Conjunction = 05:51:20.8 TD (= 05:50:34.9 UT)

Greatest Eclipse = 05:48:46.8 TD (= 05:48:00.9 UT)

Penumbral Magnitude = 2.4218

P. Radius = 1.2447°

Gamma = 0.2367

Umbral Magnitude = 1.4253

U. Radius = 0.7183°

Axis = 0.2295°

Saros Series = 130

Member = 32 of 72

Sun at Greatest Eclipse (Geocentric Coordinates)

R.A. = 04h05m34.7s

Dec. = +20°50'24.7"

S.D. = 00°15'47.5"

H.P. = 00°00'08.7"

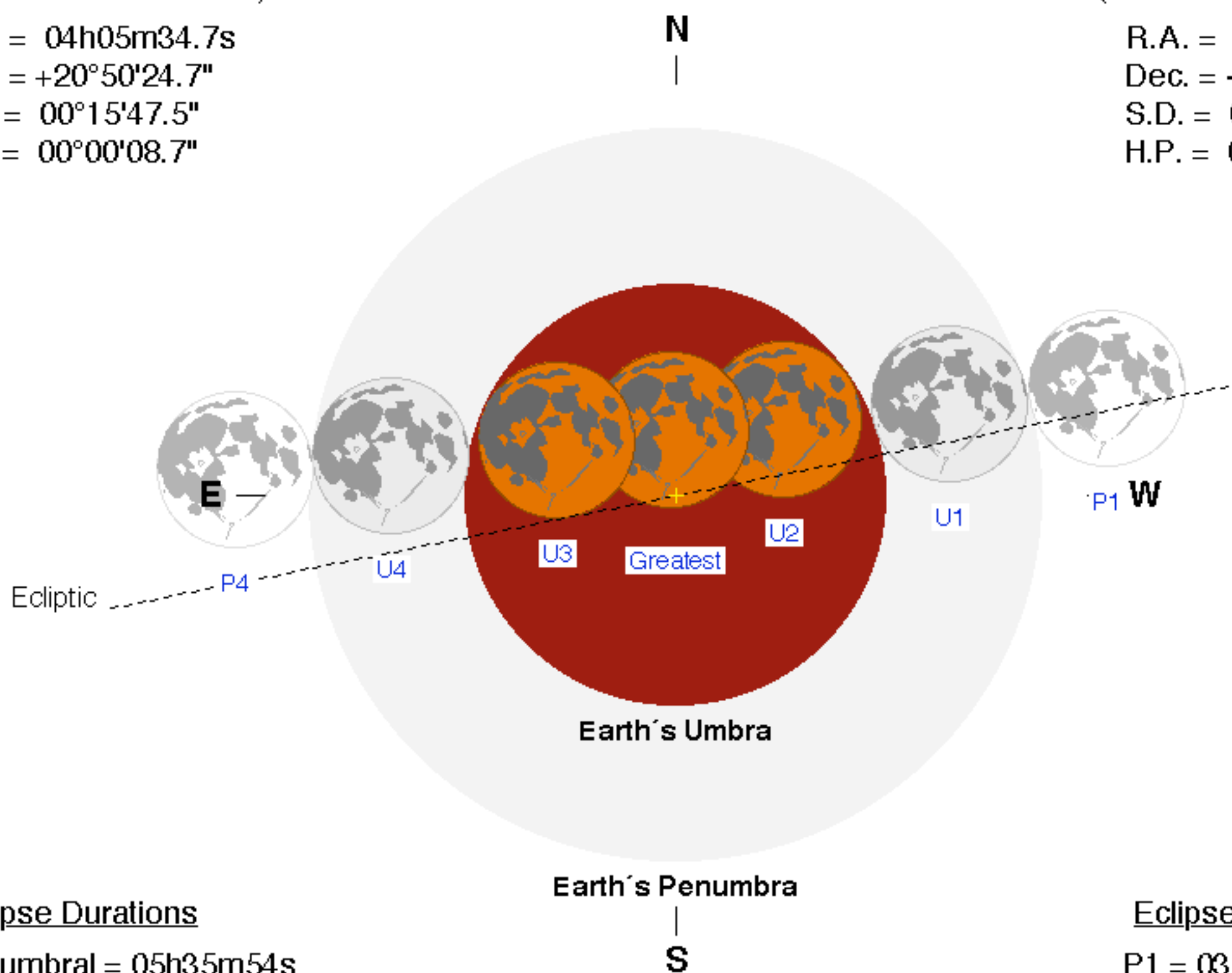
Moon at Greatest Eclipse (Geocentric Coordinates)

R.A. = 16h05m40.1s

Dec. = -20°36'42.2"

S.D. = 00°15'50.9"

H.P. = 00°58'09.7"



Eclipse Durations

Penumbral = 05h35m54s

Umbral = 03h35m11s

Total = 01h28m18s

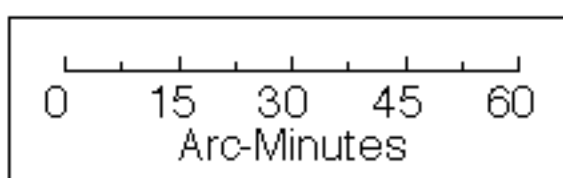
$\Delta T = 46$ s

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 = 03:00:07 UT

U1 = 04:00:24 UT

U2 = 05:03:51 UT

U3 = 06:32:09 UT

U4 = 07:35:35 UT

P4 = 08:36:00 UT

