

Partial Lunar Eclipse of 1976 May 13

Ecliptic Conjunction = 20:04:49.3 TD (= 20:04:02.4 UT)

Greatest Eclipse = 19:55:07.7 TD (= 19:54:20.8 UT)

Penumbral Magnitude = 1.0761

P. Radius = 1.2905°

Gamma = 0.9585

Umbral Magnitude = 0.1217

U. Radius = 0.7630°

Axis = 0.9721°

Saros Series = 140 Member = 23 of 80

Sun at Greatest Eclipse (Geocentric Coordinates)

R.A. = 03h23m03.9s

Dec. = +18°33'49.8"

S.D. = 00°15'49.5"

H.P. = 00°00'08.7"

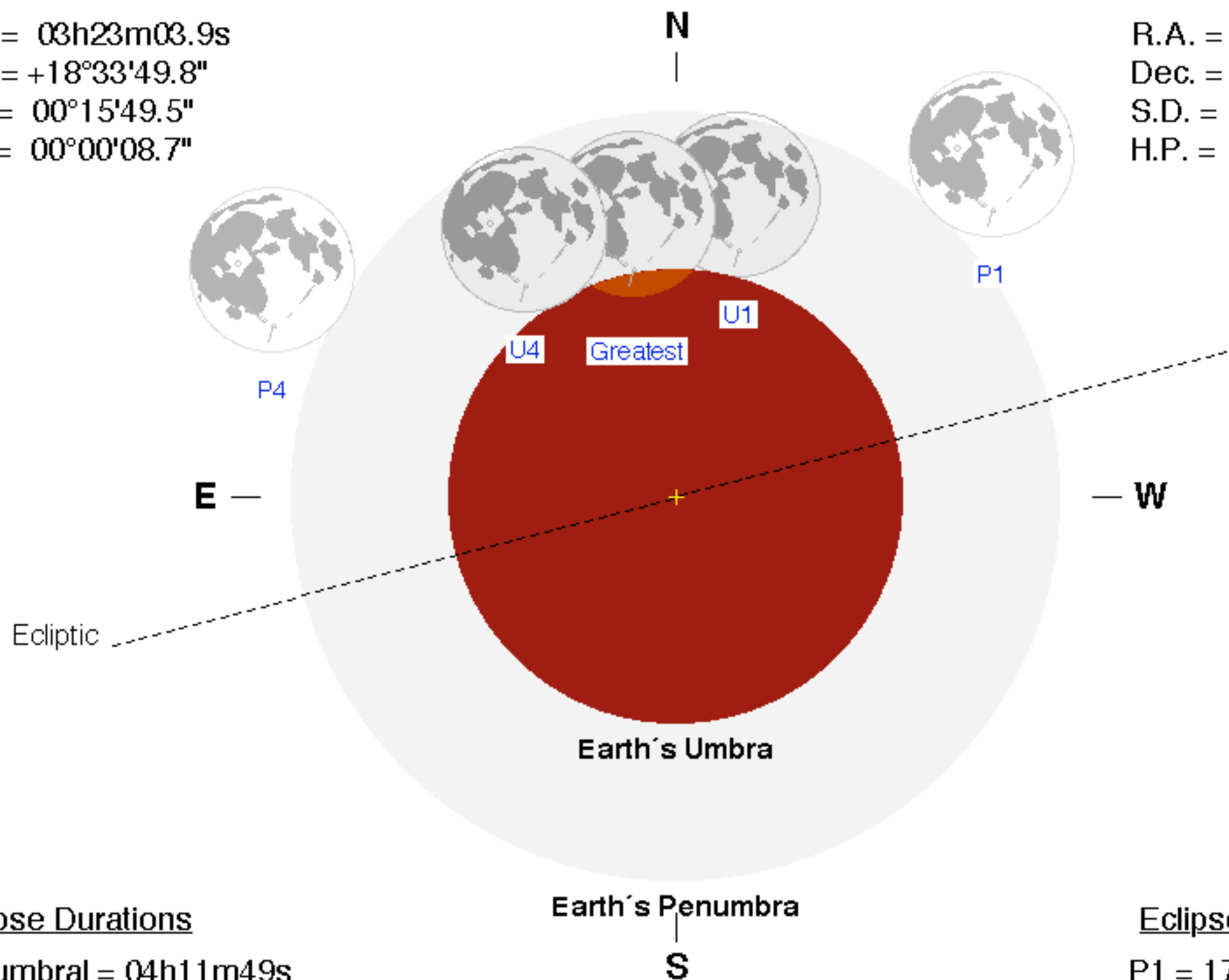
Moon at Greatest Eclipse (Geocentric Coordinates)

R.A. = 15h23m42.3s

Dec. = -17°36'13.1"

S.D. = 00°16'34.8"

H.P. = 01°00'51.1"



Eclipse Durations

Penumbral = 04h11m49s

Umbral = 01h15m23s

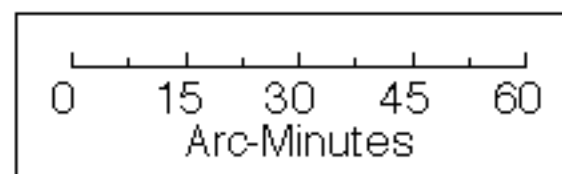
$\Delta T = 47$ s

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 = 17:48:25 UT

U1 = 19:16:36 UT

U4 = 20:31:59 UT

P4 = 22:00:14 UT

