

Partial Lunar Eclipse of 2023 Oct 28

Ecliptic Conjunction = 20:25:12.2 TD (= 20:23:58.5 UT)

Greatest Eclipse = 20:15:17.6 TD (= 20:14:03.9 UT)

Penumbral Magnitude = 1.1181

P. Radius = 1.2692°

Gamma = 0.9471

Umbral Magnitude = 0.1220

U. Radius = 0.7326°

Axis = 0.9363°

Saros Series = 146

Member = 11 of 72

Sun at Greatest Eclipse (Geocentric Coordinates)

R.A. = 14h11m25.9s

Dec. = -13°14'10.6"

S.D. = 00°16'05.9"

H.P. = 00°00'08.9"

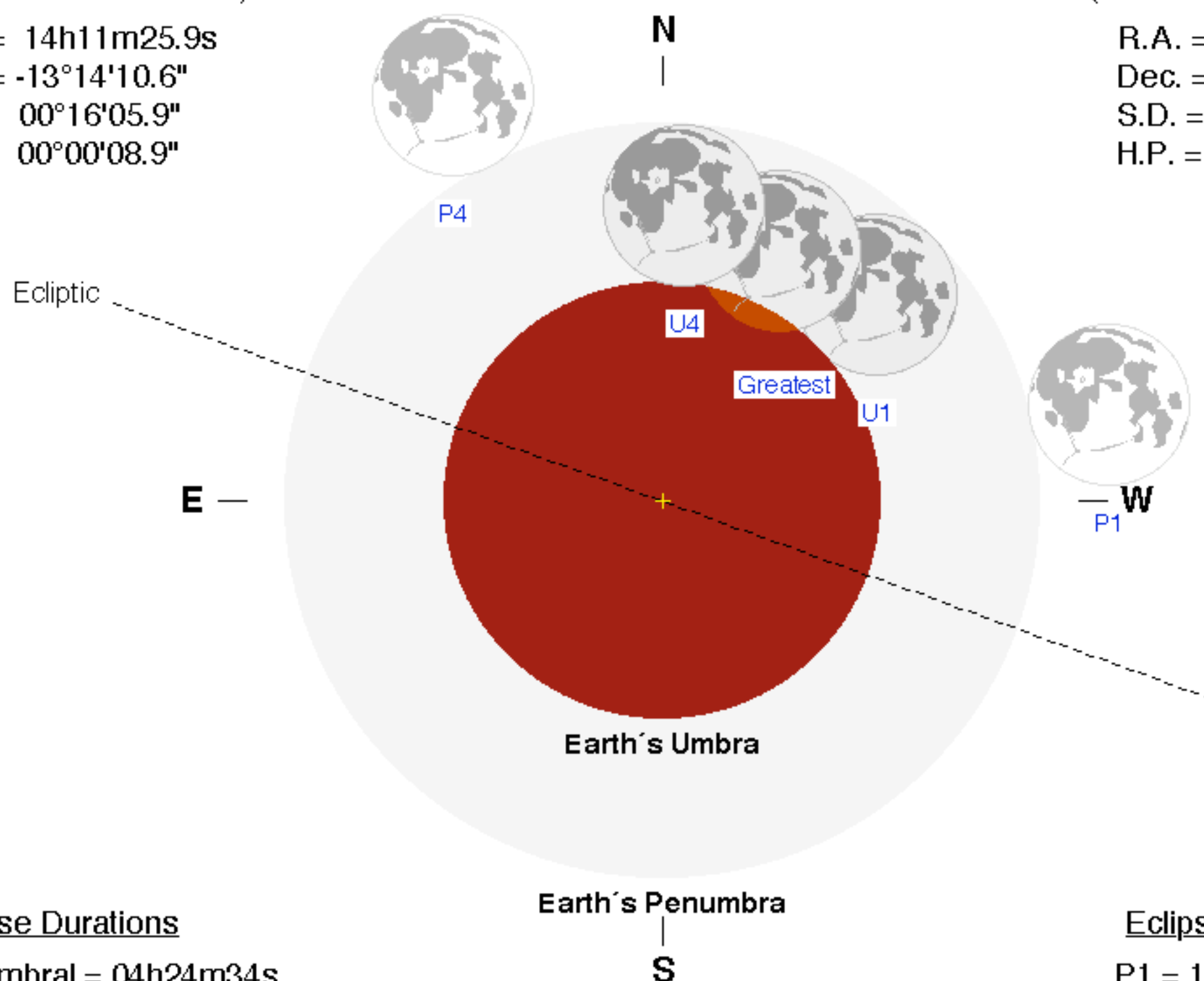
Moon at Greatest Eclipse (Geocentric Coordinates)

R.A. = 02h09m47.6s

Dec. = +14°05'01.8"

S.D. = 00°16'09.7"

H.P. = 00°59'18.9"



Eclipse Durations

Penumbral = 04h24m34s

Umbral = 01h17m21s

Eclipse Contacts

P1 = 18:01:47 UT

U1 = 19:35:18 UT

U4 = 20:52:39 UT

P4 = 22:26:20 UT

$\Delta T = 74$ s

Rule = CdT (Danjon)

Eph. = VSOP87/ELP2000-85

F. Espenak, NASA's GSFC

eclipse.gsfc.nasa.gov/eclipse.html

