

# Total Lunar Eclipse of 1902 Oct 17

Ecliptic Conjunction = 06:01:04.8 TD (= 06:01:03.8 UT)

Greatest Eclipse = 06:03:25.7 TD (= 06:03:24.7 UT)

Penumbral Magnitude = 2.4514

P. Radius = 1.2669°

Gamma = 0.2201

Umbral Magnitude = 1.4566

U. Radius = 0.7318°

Axis = 0.2173°

Saros Series = 125

Member = 42 of 72

## Sun at Greatest Eclipse (Geocentric Coordinates)

R.A. = 13h24m51.5s

Dec. = -08°55'14.2"

S.D. = 00°16'03.2"

H.P. = 00°00'08.8"

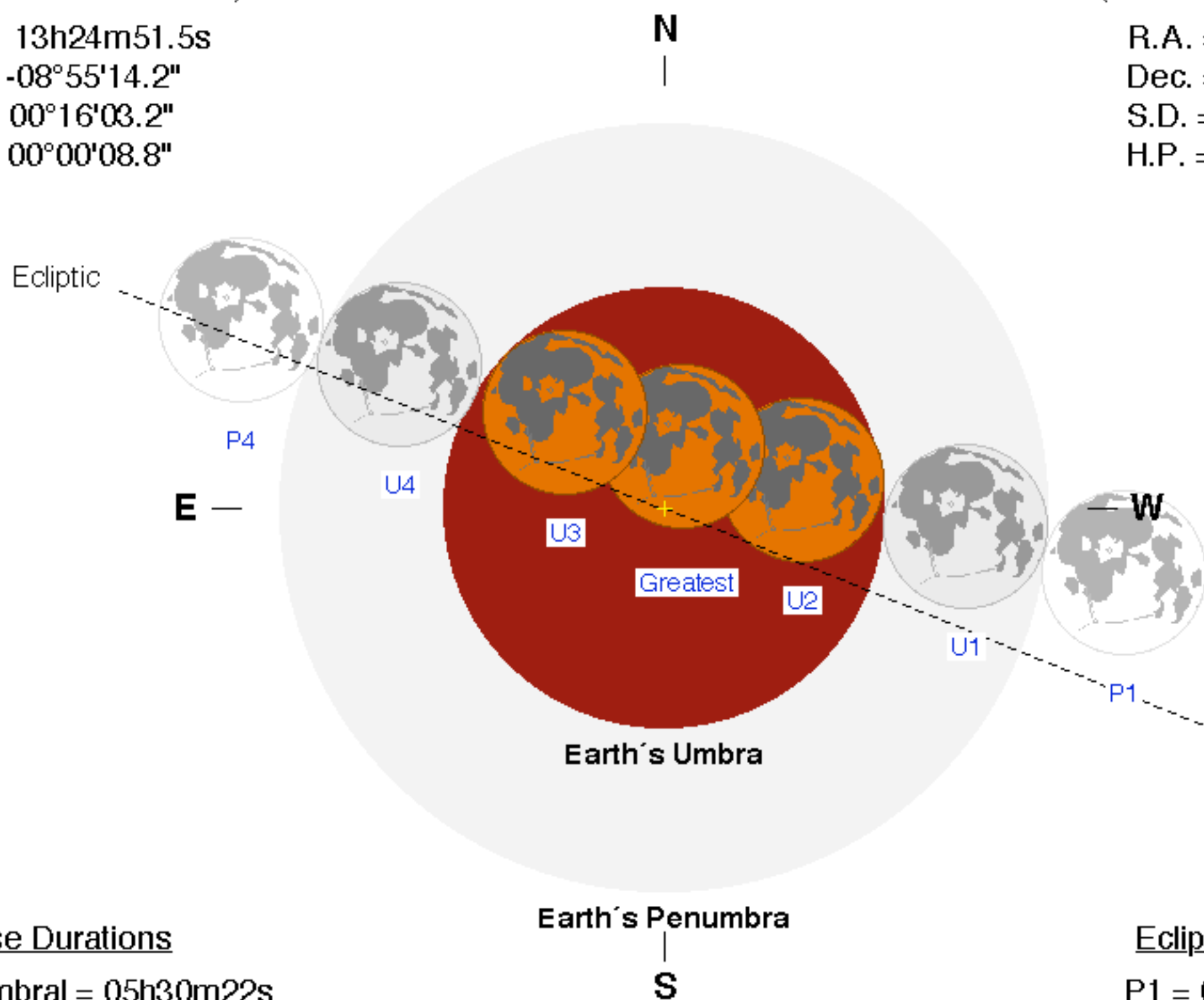
## Moon at Greatest Eclipse (Geocentric Coordinates)

R.A. = 01h24m36.9s

Dec. = +09°07'45.7"

S.D. = 00°16'08.2"

H.P. = 00°59'13.4"



## Eclipse Durations

Penumbral = 05h30m22s

Umbral = 03h32m18s

Total = 01h28m50s

$\Delta T = 1 \text{ s}$

Rule = CdT (Danjon)

Eph. = VSOP87/ELP2000-85

## Eclipse Contacts

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P1 = 03:18:12 UT

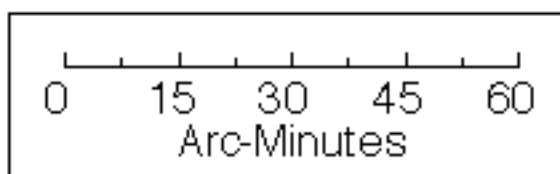
U1 = 04:17:17 UT

U2 = 05:19:01 UT

U3 = 06:47:50 UT

U4 = 07:49:35 UT

P4 = 08:48:34 UT



F. Espenak, NASA's GSFC  
eclipse.gsfc.nasa.gov/eclipse.html

