

# Total Lunar Eclipse of 2050 Oct 30

Ecliptic Conjunction = 03:17:09.3 TD (= 03:15:34.7 UT)

Greatest Eclipse = 03:21:46.9 TD (= 03:20:12.3 UT)

Penumbral Magnitude = 2.0345

P. Radius = 1.2852°

Gamma = 0.4435

Umbral Magnitude = 1.0538

U. Radius = 0.7484°

Axis = 0.4454°

Saros Series = 127

Member = 44 of 72

## Sun at Greatest Eclipse (Geocentric Coordinates)

R.A. = 14h18m15.4s

Dec. = -13°48'47.0"

S.D. = 00°16'06.2"

H.P. = 00°00'08.9"

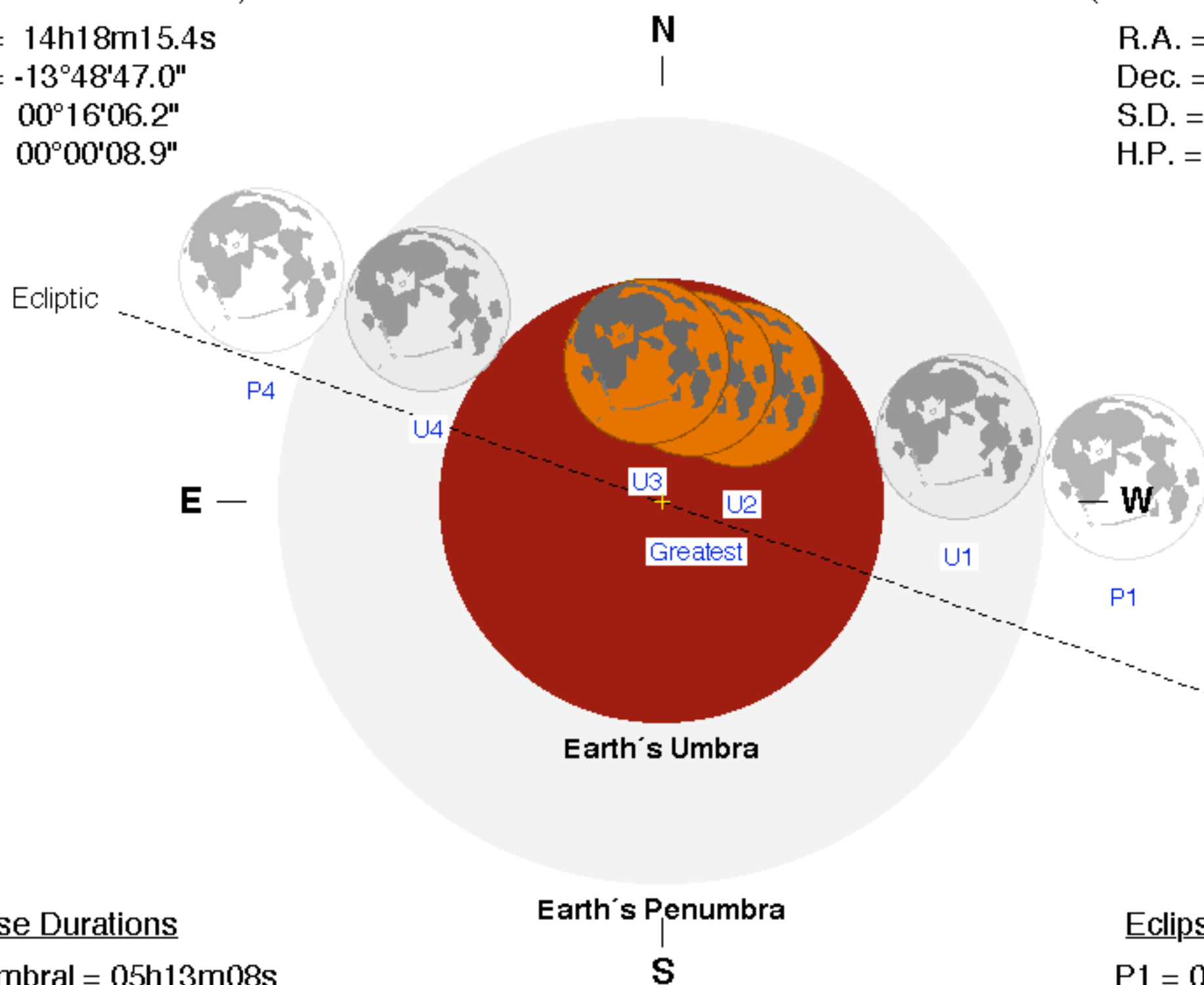
## Moon at Greatest Eclipse (Geocentric Coordinates)

R.A. = 02h17m49.7s

Dec. = +14°14'46.3"

S.D. = 00°16'25.2"

H.P. = 01°00'15.6"



## Eclipse Durations

Penumbral = 05h13m08s

Umbral = 03h12m51s

Total = 00h34m30s

$\Delta T = 95$  s

Rule = CdT (Danjon)

Eph. = VSOP87/ELP2000-85

## Eclipse Contacts

P1 = 00:43:40 UT

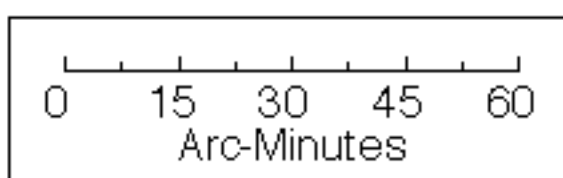
U1 = 01:43:45 UT

U2 = 03:02:56 UT

U3 = 03:37:26 UT

U4 = 04:56:37 UT

P4 = 05:56:48 UT



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eclipse.gsfc.nasa.gov/eclipse.html

