

# Total Lunar Eclipse of 1968 Oct 06

Ecliptic Conjunction = 11:46:44.2 TD (= 11:46:05.2 UT)

Greatest Eclipse = 11:42:35.0 TD (= 11:41:56.0 UT)

Penumbral Magnitude = 2.2242

P. Radius = 1.2062°

Gamma = 0.3605

Umbral Magnitude = 1.1691

U. Radius = 0.6728°

Axis = 0.3345°

Saros Series = 136      Member = 17 of 72

## Sun at Greatest Eclipse (Geocentric Coordinates)

R.A. = 12h48m51.9s

Dec. = -05°14'36.0"

S.D. = 00°16'00.2"

H.P. = 00°00'08.8"

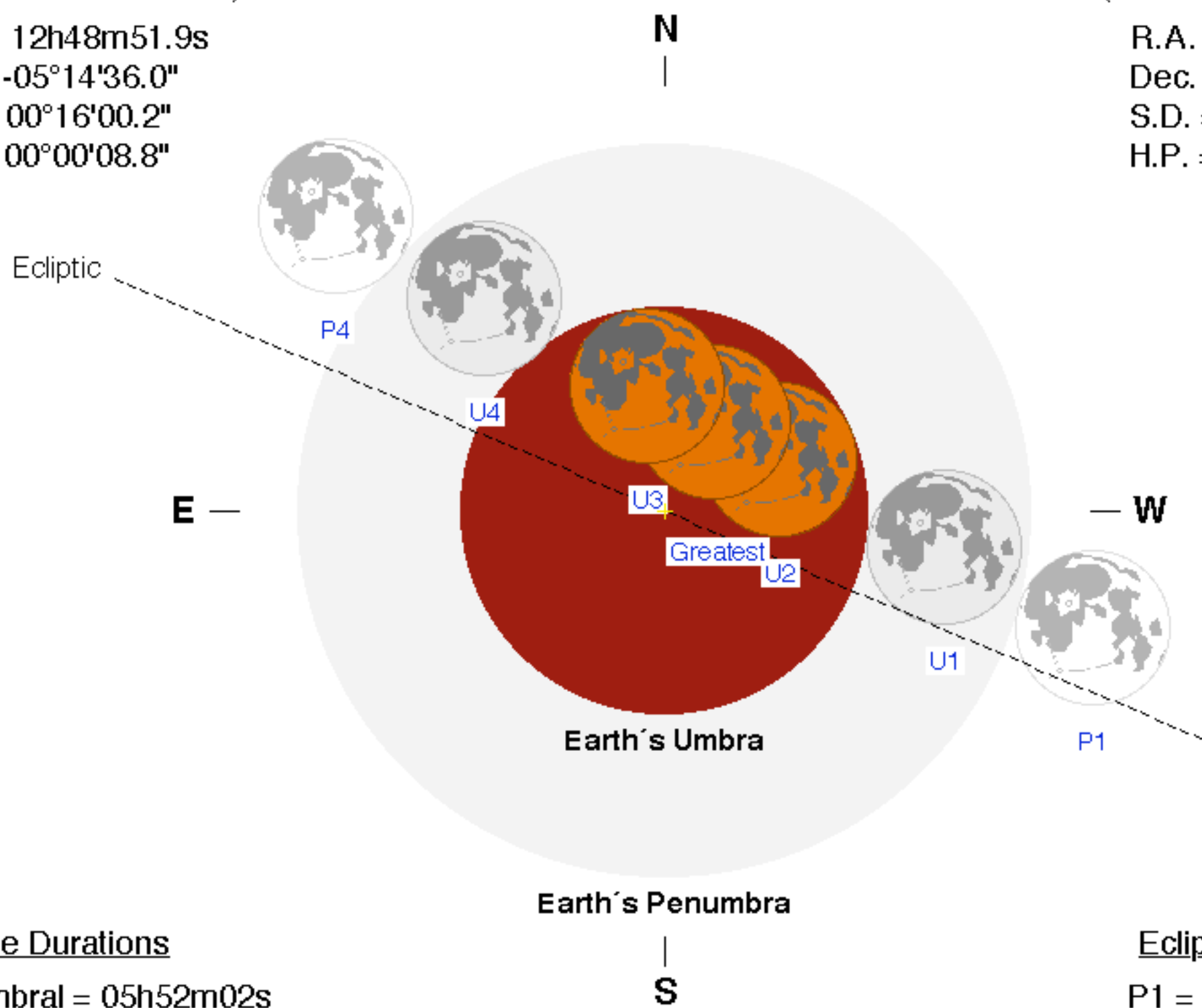
## Moon at Greatest Eclipse (Geocentric Coordinates)

R.A. = 00h48m13.3s

Dec. = +05°32'13.1"

S.D. = 00°15'10.0"

H.P. = 00°55'39.9"



## Eclipse Durations

Penumbral = 05h52m02s

Umbral = 03h33m56s

Total = 01h02m58s

$\Delta T = 39$  s

Rule = CdT (Danjon)

Eph. = VSOP87/ELP2000-85

## Eclipse Contacts

P1 = 08:45:58 UT

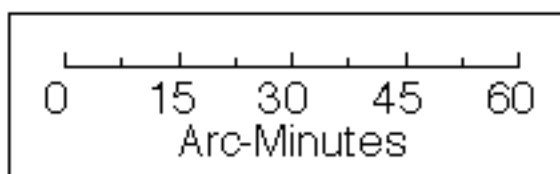
U1 = 09:54:56 UT

U2 = 11:10:26 UT

U3 = 12:13:24 UT

U4 = 13:28:53 UT

P4 = 14:38:00 UT



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eclipse.gsfc.nasa.gov/eclipse.html

