

# Partial Lunar Eclipse of 2039 Nov 30

Ecliptic Conjunction = 16:50:46.9 TD (= 16:49:22.3 UT)

Greatest Eclipse = 16:56:27.5 TD (= 16:55:02.9 UT)

Penumbral Magnitude = 2.0418

P. Radius = 1.1843°

Gamma = -0.4721

Umbral Magnitude = 0.9426

U. Radius = 0.6437°

Axis = 0.4260°

Saros Series = 126

Member = 47 of 72

## Sun at Greatest Eclipse (Geocentric Coordinates)

R.A. = 16h26m20.8s

Dec. = -21°41'27.9"

S.D. = 00°16'13.0"

H.P. = 00°00'08.9"

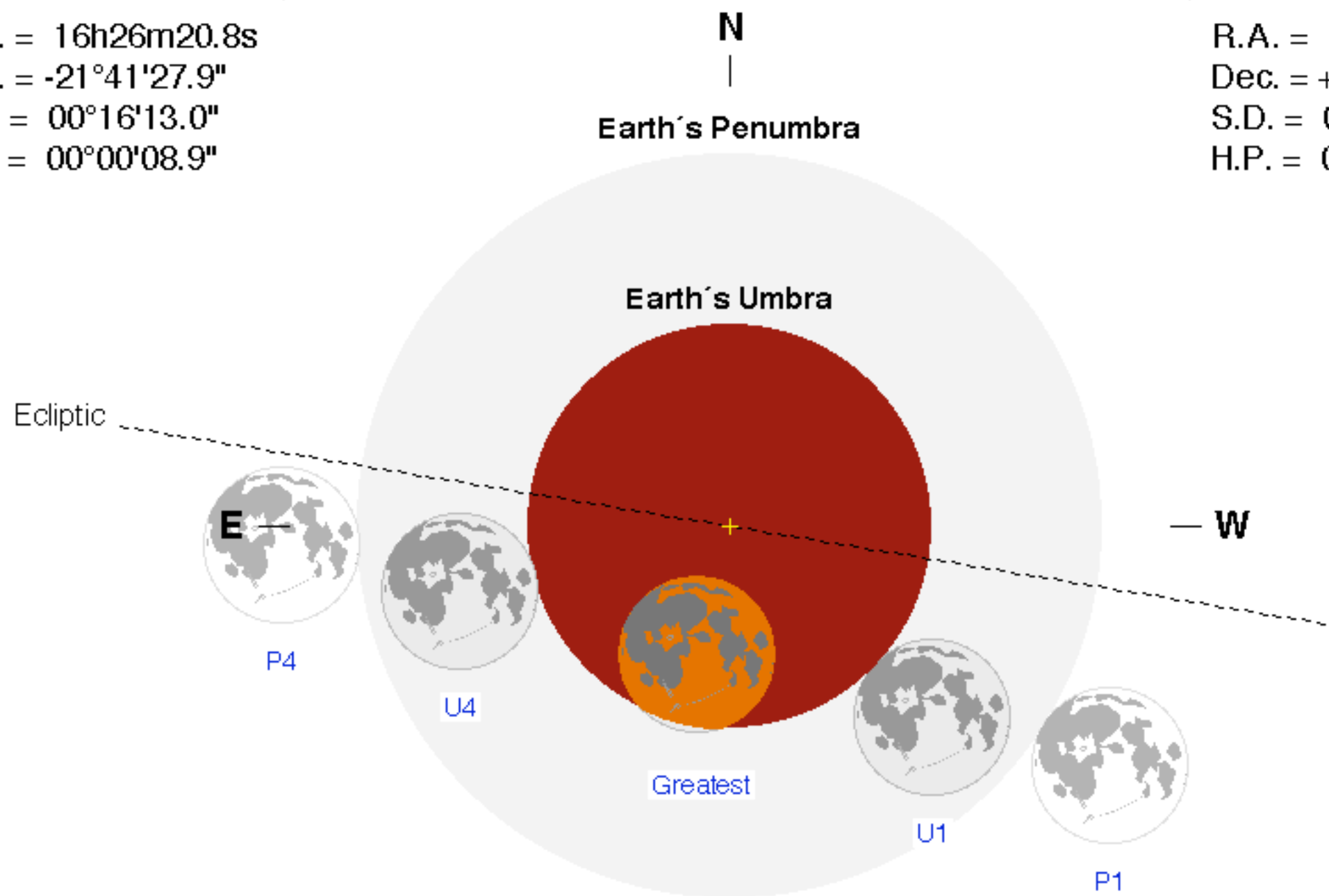
## Moon at Greatest Eclipse (Geocentric Coordinates)

R.A. = 04h26m48.9s

Dec. = +21°16'45.4"

S.D. = 00°14'45.3"

H.P. = 00°54'08.9"



## Eclipse Durations

Penumbral = 06h00m05s

Umbral = 03h26m00s

$\Delta T = 85$  s

Rule = CdT (Danjon)

Eph. = VSOP87/ELP2000-85

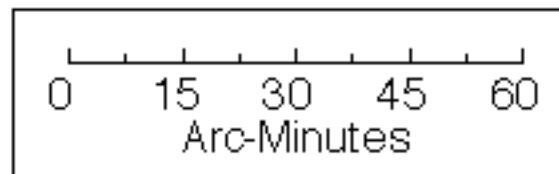
## Eclipse Contacts

P1 = 13:55:01 UT

U1 = 15:12:02 UT

U4 = 18:38:02 UT

P4 = 19:55:06 UT



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[eclipse.gsfc.nasa.gov/eclipse.html](http://eclipse.gsfc.nasa.gov/eclipse.html)

