

# Partial Lunar Eclipse of 2064 Feb 02

Ecliptic Conjunction = 21:38:47.3 TD (= 21:36:45.2 UT)

Greatest Eclipse = 21:48:56.6 TD (= 21:46:54.5 UT)

Penumbral Magnitude = 1.0197

P. Radius = 1.2941°

Gamma = 0.9969

Umbral Magnitude = 0.0377

U. Radius = 0.7531°

Axis = 1.0078°

Saros Series = 115      Member = 60 of 72

## Sun at Greatest Eclipse (Geocentric Coordinates)

R.A. = 21h05m13.1s

Dec. = -16°40'07.5"

S.D. = 00°16'13.8"

H.P. = 00°00'08.9"

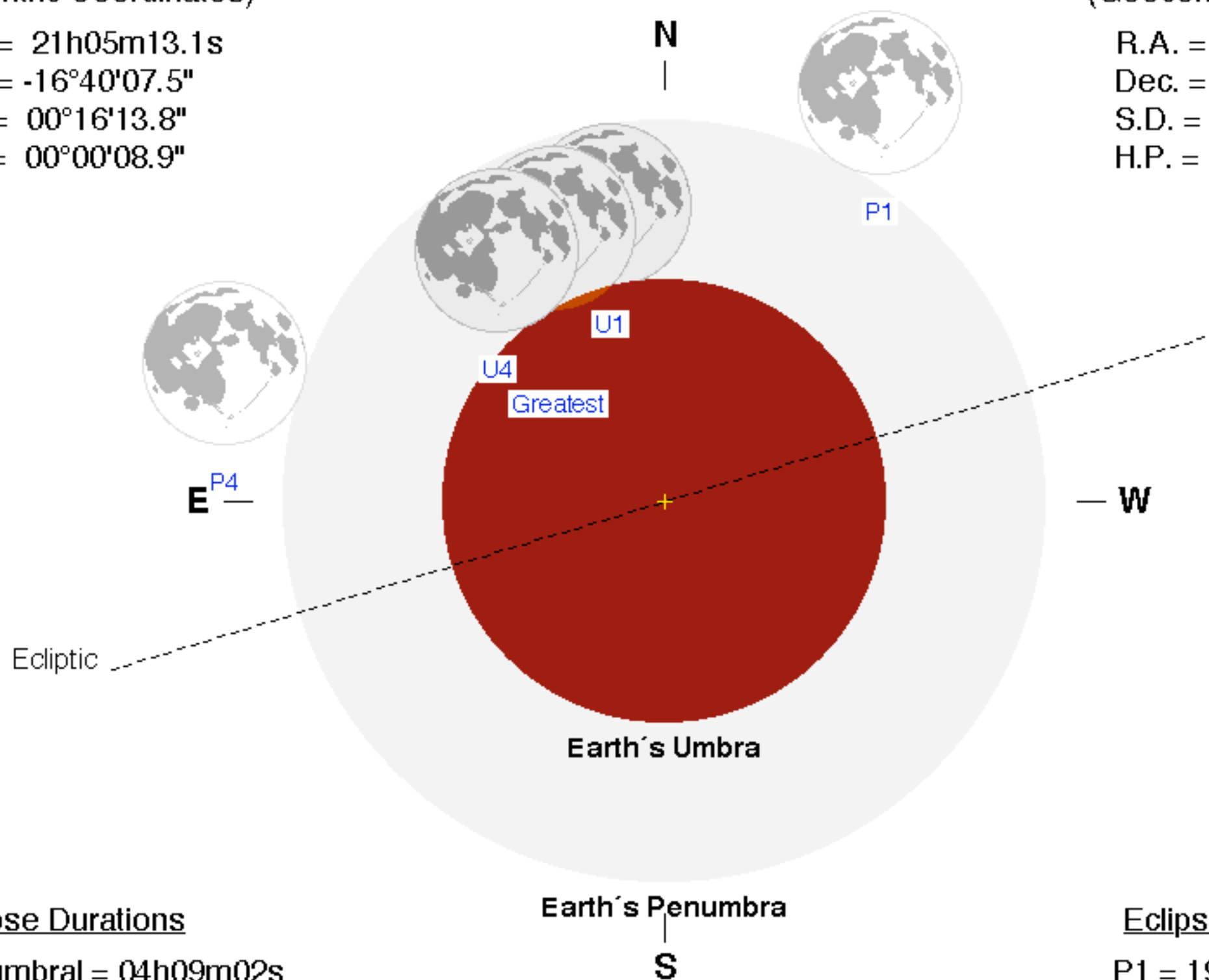
## Moon at Greatest Eclipse (Geocentric Coordinates)

R.A. = 09h06m49.3s

Dec. = +17°36'03.5"

S.D. = 00°16'31.7"

H.P. = 01°00'39.5"



## Eclipse Durations

Penumbral = 04h09m02s

Umbral = 00h42m33s

## Eclipse Contacts

P1 = 19:42:24 UT

U1 = 21:25:42 UT

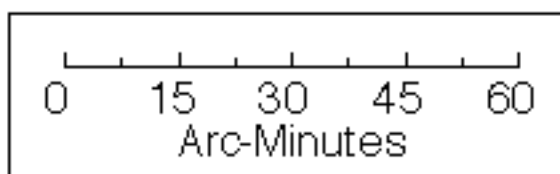
U4 = 22:08:15 UT

P4 = 23:51:26 UT

$\Delta T = 122$  s

Rule = CdT (Danjon)

Eph. = VSOP87/ELP2000-85



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

