

# Penumbral Lunar Eclipse of 2100 Feb 24

Ecliptic Conjunction = 14:54:42.6 TD (= 14:51:19.8 UT)

Greatest Eclipse = 15:05:11.4 TD (= 15:01:48.6 UT)

Penumbral Magnitude = 0.9649

P. Radius = 1.2889°

Gamma = 1.0267

Umbral Magnitude = -0.0170

U. Radius = 0.7501°

Axis = 1.0338°

Saros Series = 115

Member = 62 of 72

## Sun at Greatest Eclipse (Geocentric Coordinates)

R.A. = 22h31m21.3s

Dec. = -09°17'00.5"

S.D. = 00°16'09.9"

H.P. = 00°00'08.9"

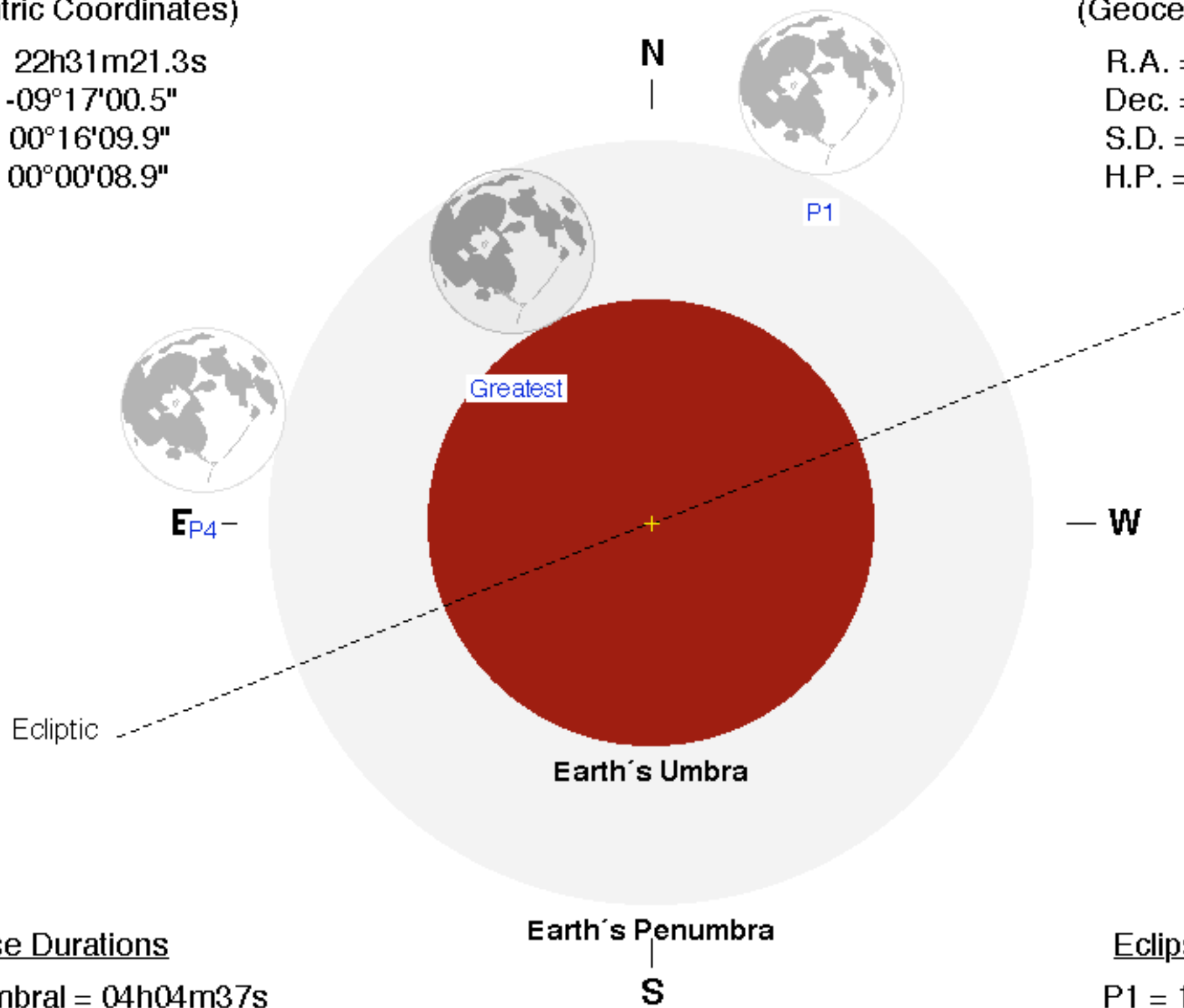
## Moon at Greatest Eclipse (Geocentric Coordinates)

R.A. = 10h33m16.4s

Dec. = +10°12'10.7"

S.D. = 00°16'27.7"

H.P. = 01°00'25.0"



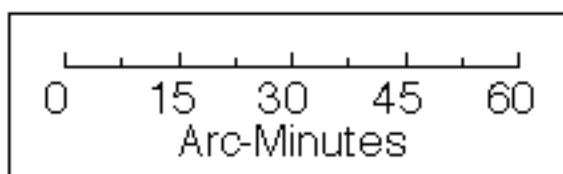
## Eclipse Durations

Penumbral = 04h04m37s

## Eclipse Contacts

P1 = 12:59:31 UT

P4 = 17:04:08 UT



$\Delta T = 203$  s

Rule = CdT (Danjon)

Eph. = VSOP87/ELP2000-85

F. Espenak, NASA's GSFC

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

