

# Penumbral Lunar Eclipse of 2092 Aug 17

Ecliptic Conjunction = 09:25:06.9 TD (= 09:22:01.6 UT)

Greatest Eclipse = 09:13:59.1 TD (= 09:10:53.7 UT)

Penumbral Magnitude = 0.9131

P. Radius = 1.2527°

Gamma = -1.0568

Umbral Magnitude = -0.0757

U. Radius = 0.7261°

Axis = 1.0327°

Saros Series = 149

Member = 7 of 72

## Sun at Greatest Eclipse (Geocentric Coordinates)

R.A. = 09h51m02.7s

Dec. = +13°00'50.1"

S.D. = 00°15'47.9"

H.P. = 00°00'08.7"

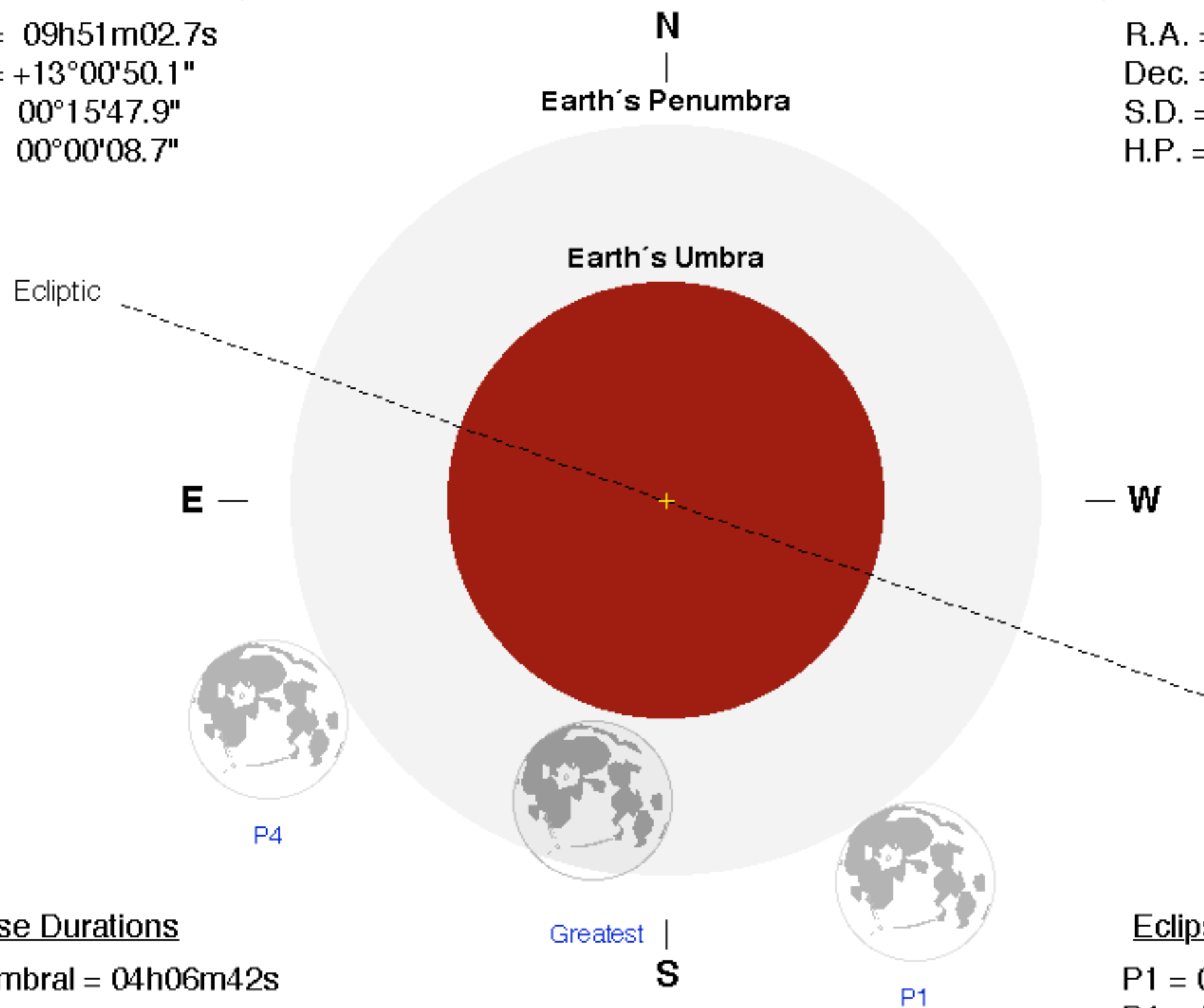
## Moon at Greatest Eclipse (Geocentric Coordinates)

R.A. = 21h52m04.9s

Dec. = -14°00'55.6"

S.D. = 00°15'58.5"

H.P. = 00°58'37.9"



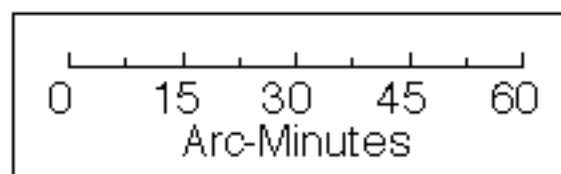
## Eclipse Durations

Penumbral = 04h06m42s

## Eclipse Contacts

P1 = 07:07:29 UT

P4 = 11:14:11 UT



$\Delta T = 185$  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)

