

# Penumbral Lunar Eclipse of 2027 Aug 17

Ecliptic Conjunction = 07:29:51.2 TD (= 07:28:35.2 UT)

Greatest Eclipse = 07:14:59.3 TD (= 07:13:43.3 UT)

Penumbral Magnitude = 0.5456

P. Radius = 1.1769°

Gamma = 1.2797

Umbral Magnitude = -0.5254

U. Radius = 0.6503°

Axis = 1.1544°

Saros Series = 148 Member = 4 of 71

## Sun at Greatest Eclipse (Geocentric Coordinates)

R.A. = 09h45m58.6s

Dec. = +13°27'30.2"

S.D. = 00°15'47.8"

H.P. = 00°00'08.7"

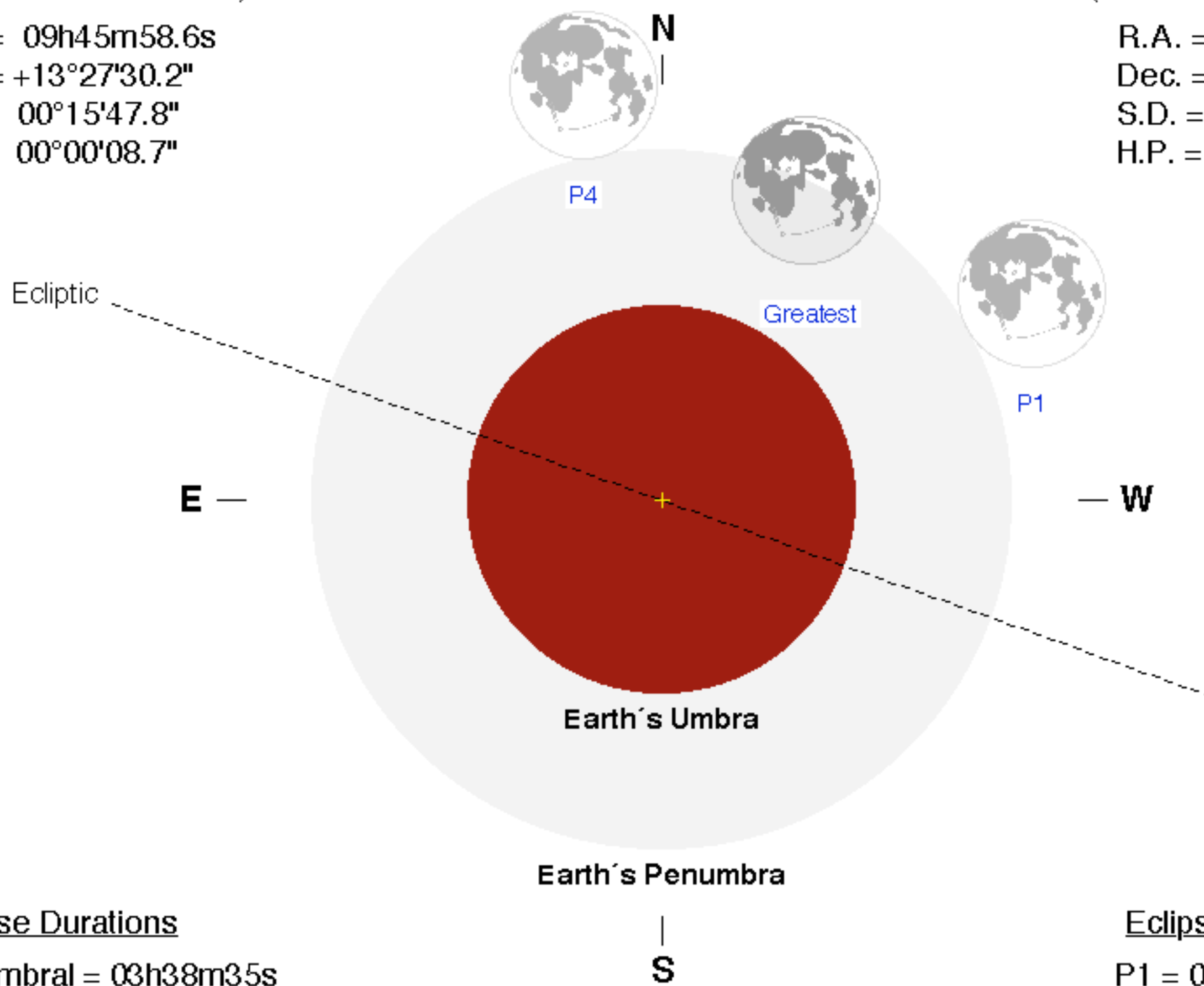
## Moon at Greatest Eclipse (Geocentric Coordinates)

R.A. = 21h43m58.8s

Dec. = -12°24'40.6"

S.D. = 00°14'44.9"

H.P. = 00°54'07.8"



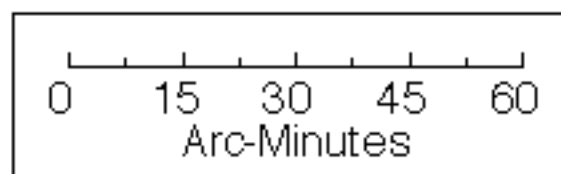
## Eclipse Durations

Penumbral = 03h38m35s

## Eclipse Contacts

P1 = 05:24:29 UT

P4 = 09:03:03 UT



$\Delta T = 76$  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)

