

# Penumbral Lunar Eclipse of 2056 Jun 27

Ecliptic Conjunction = 09:49:16.5 TD (= 09:47:30.3 UT)

Greatest Eclipse = 10:03:09.1 TD (= 10:01:22.9 UT)

Penumbral Magnitude = 0.3143

P. Radius = 1.2706°

Gamma = 1.3769

Umbral Magnitude = -0.6519

U. Radius = 0.7462°

Axis = 1.3714°

Saros Series = 111      Member = 69 of 71

## Sun at Greatest Eclipse (Geocentric Coordinates)

R.A. = 06h28m18.7s

Dec. = +23°16'17.2"

S.D. = 00°15'44.0"

H.P. = 00°00'08.7"

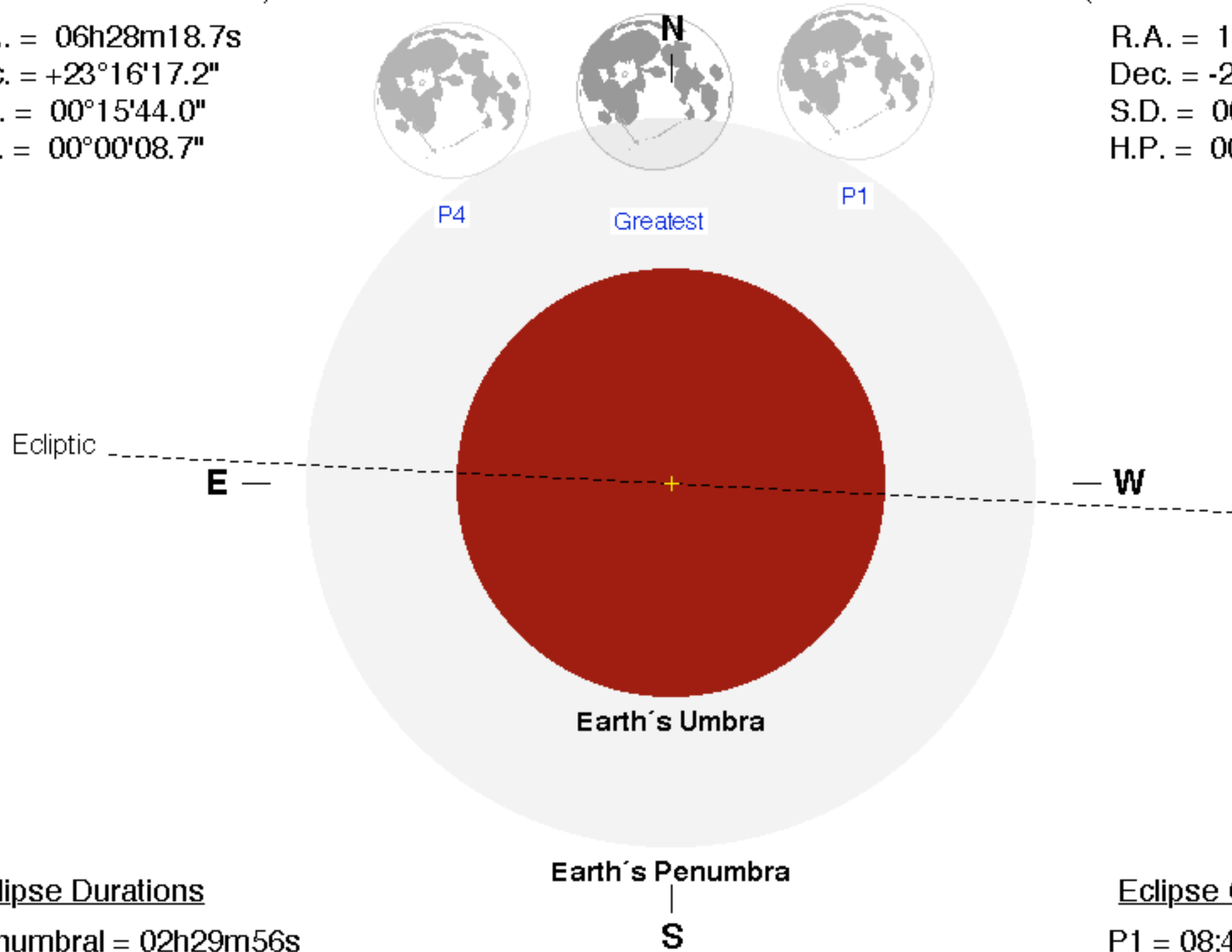
## Moon at Greatest Eclipse (Geocentric Coordinates)

R.A. = 18h28m35.0s

Dec. = -21°54'04.7"

S.D. = 00°16'17.0"

H.P. = 00°59'45.8"



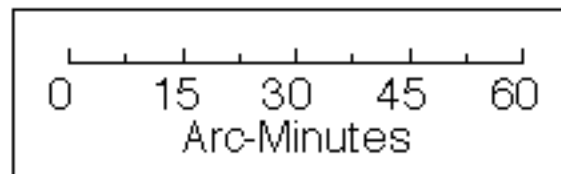
## Eclipse Durations

Penumbral = 02h29m56s

## Eclipse Contacts

P1 = 08:46:19 UT

P4 = 11:16:15 UT



$\Delta T = 106$  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)

