

# Penumbral Lunar Eclipse of 2053 Mar 04

Ecliptic Conjunction = 17:10:57.3 TD (= 17:09:17.9 UT)

Greatest Eclipse = 17:22:09.9 TD (= 17:20:30.5 UT)

Penumbral Magnitude = 0.9323

P. Radius = 1.2549°

Gamma = -1.0530

Umbral Magnitude = -0.0808

U. Radius = 0.7173°

Axis = 1.0255°

Saros Series = 114      Member = 61 of 71

## Sun at Greatest Eclipse (Geocentric Coordinates)

R.A. = 23h03m14.8s

Dec. = -06°03'47.8"

S.D. = 00°16'07.7"

H.P. = 00°00'08.9"

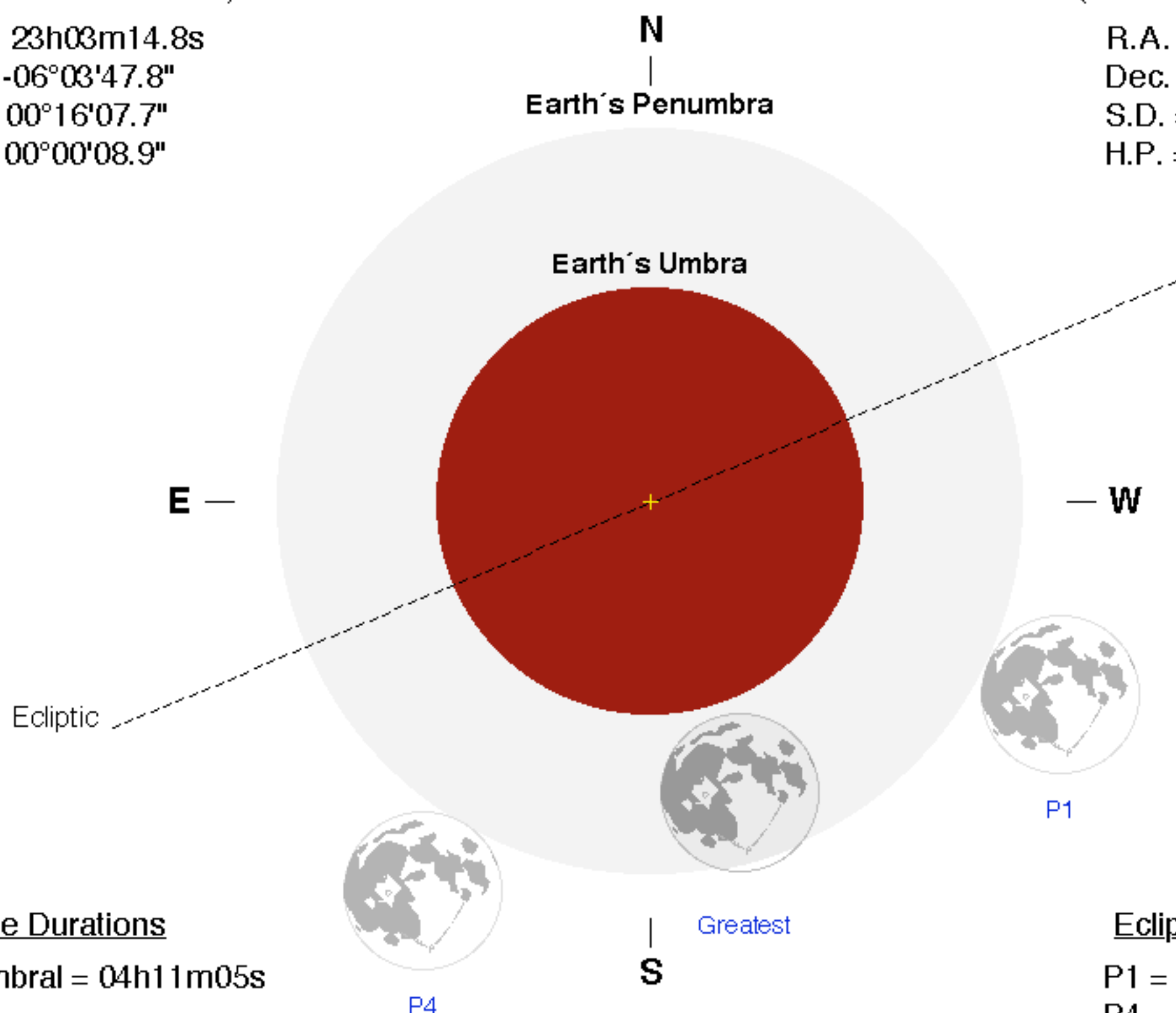
## Moon at Greatest Eclipse (Geocentric Coordinates)

R.A. = 11h02m02.2s

Dec. = +05°04'58.8"

S.D. = 00°15'55.3"

H.P. = 00°58'26.0"



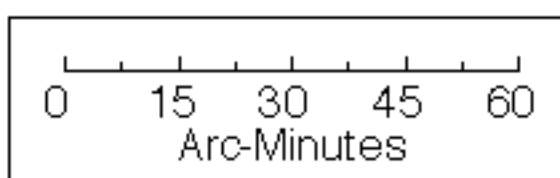
## Eclipse Durations

Penumbral = 04h11m05s

## Eclipse Contacts

P1 = 15:14:56 UT

P4 = 19:26:01 UT



$\Delta T = 99$  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)

