

# Penumbral Lunar Eclipse of 1998 Sep 06

Ecliptic Conjunction = 11:22:25.2 TD (= 11:21:22.0 UT)

Greatest Eclipse = 11:11:10.6 TD (= 11:10:07.3 UT)

Penumbral Magnitude = 0.8121

P. Radius = 1.2811°

Gamma = -1.1057

Umbral Magnitude = -0.1544

U. Radius = 0.7522°

Axis = 1.1103°

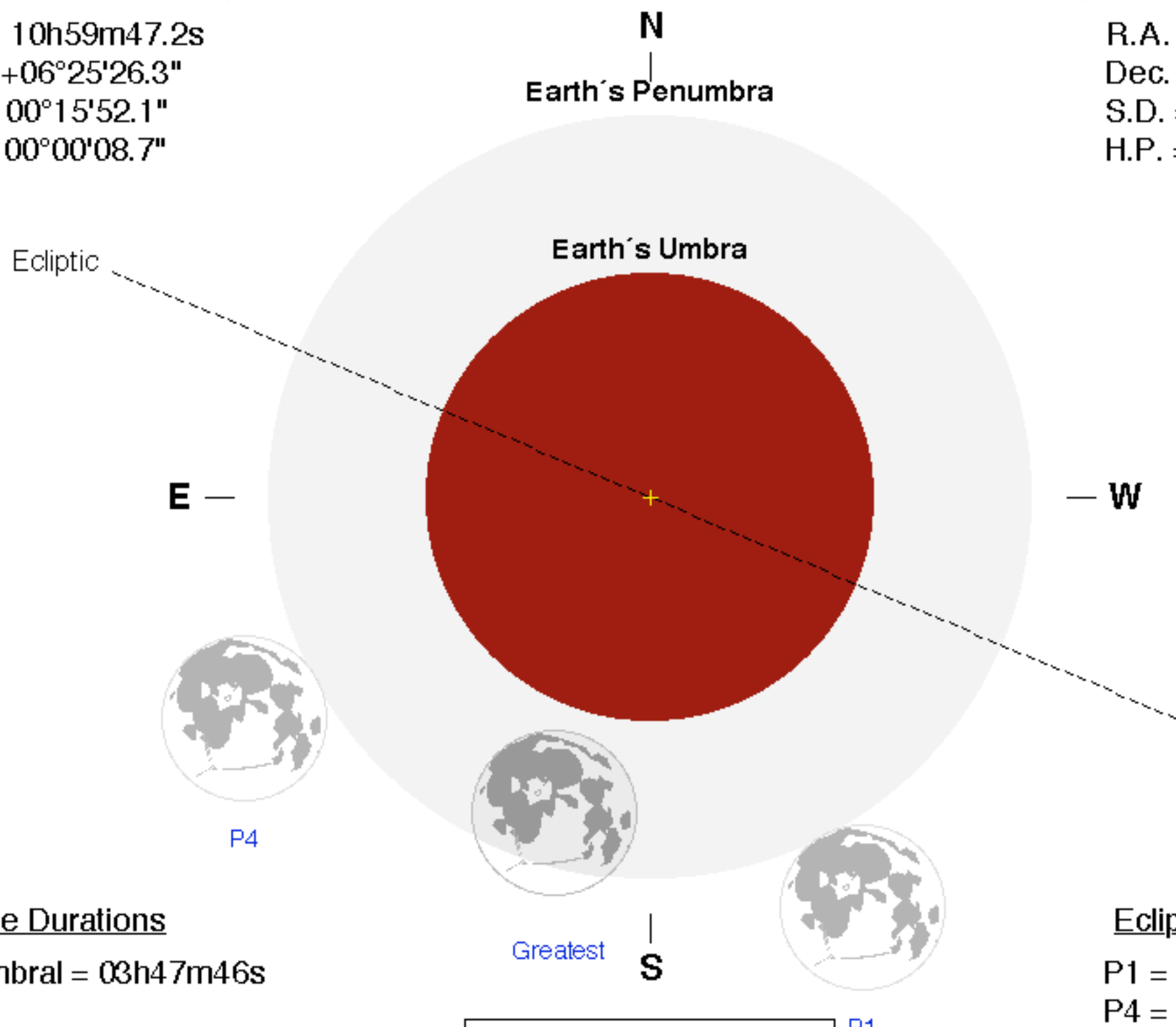
Saros Series = 147    Member = 8 of 71

## Sun at Greatest Eclipse (Geocentric Coordinates)

R.A. = 10h59m47.2s  
Dec. = +06°25'26.3"  
S.D. = 00°15'52.1"  
H.P. = 00°00'08.7"

## Moon at Greatest Eclipse (Geocentric Coordinates)

R.A. = 23h01m06.1s  
Dec. = -07°29'07.4"  
S.D. = 00°16'25.0"  
H.P. = 01°00'15.1"



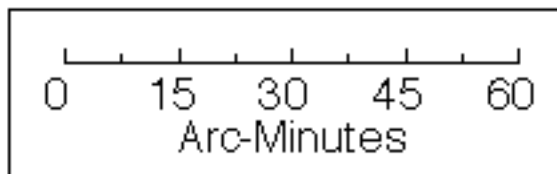
## Eclipse Durations

Penumbral = 03h47m46s

## Eclipse Contacts

P1 = 09:16:16 UT

P4 = 13:04:02 UT



$\Delta T = 63$  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)

