

# Penumbral Lunar Eclipse of 1933 Sep 04

Ecliptic Conjunction = 05:04:42.2 TD (= 05:04:18.3 UT)

Greatest Eclipse = 04:52:19.9 TD (= 04:51:56.0 UT)

Penumbral Magnitude = 0.6955

P. Radius = 1.2500°

Gamma = 1.1776

Umbral Magnitude = -0.3013

U. Radius = 0.7212°

Axis = 1.1463°

Saros Series = 146

Member = 6 of 72

## Sun at Greatest Eclipse (Geocentric Coordinates)

R.A. = 10h50m36.8s

Dec. = +07°22'09.8"

S.D. = 00°15'51.8"

H.P. = 00°00'08.7"

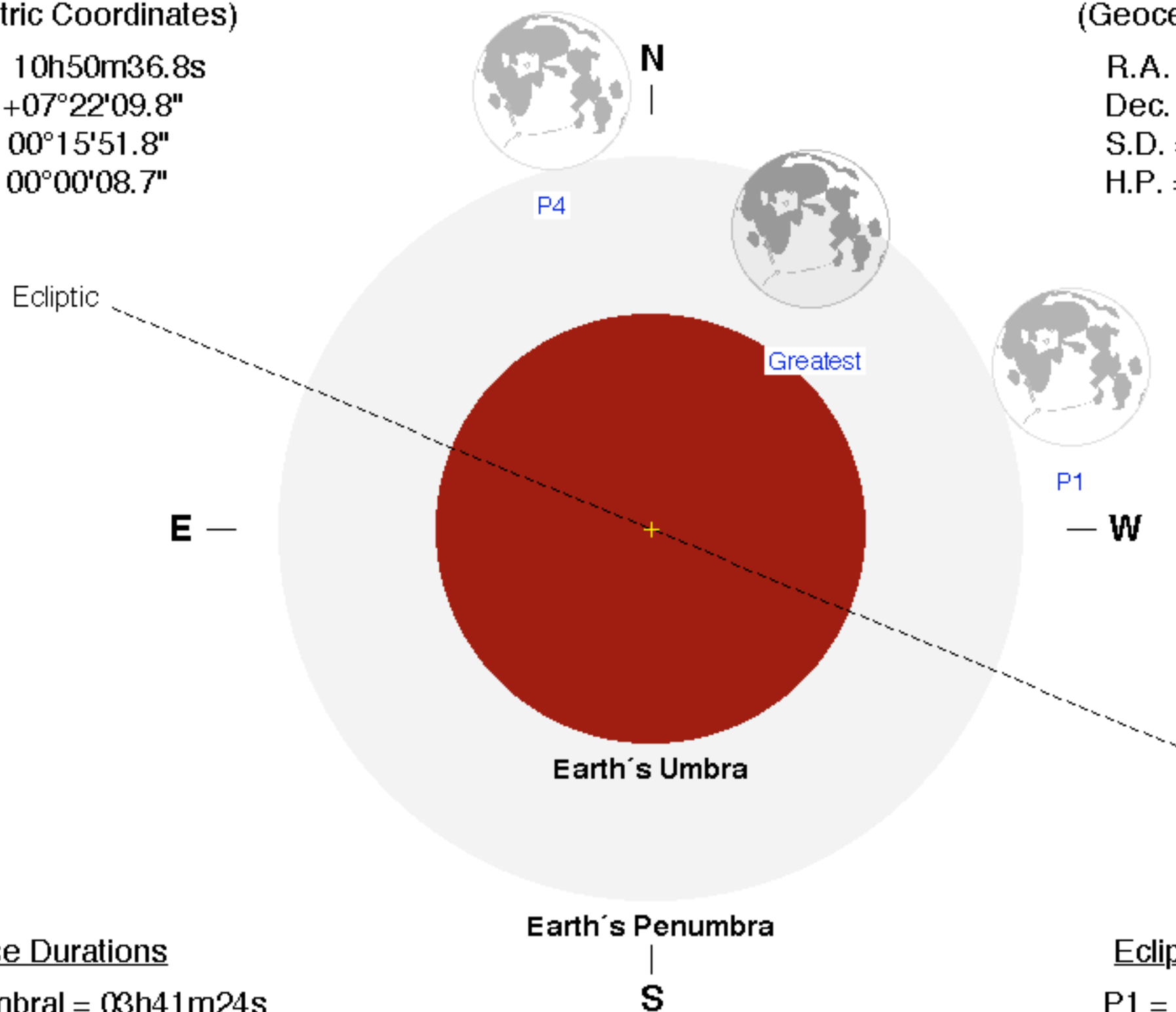
## Moon at Greatest Eclipse (Geocentric Coordinates)

R.A. = 22h48m27.5s

Dec. = -06°21'19.6"

S.D. = 00°15'54.9"

H.P. = 00°58'24.5"



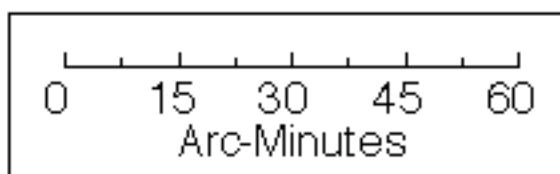
## Eclipse Durations

Penumbral = 03h41m24s

## Eclipse Contacts

P1 = 03:01:11 UT

P4 = 06:42:34 UT



$\Delta T = 24$  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)

