Penumbral Lunar Eclipse of 1966 Oct 29

Ecliptic Conjunction = 10:00:38.5 TD (= 10:00:01.3 UT)
Greatest Eclipse = 10:12:53.4 TD (= 10:12:16.2 UT)

Penumbral Magnitude = 0.9517 P. Radius = 1.1949° Gamma = -1.0599
Umbral Magnitude = -0.1249 U. Radius = 0.6581° Axis = 0.9697°

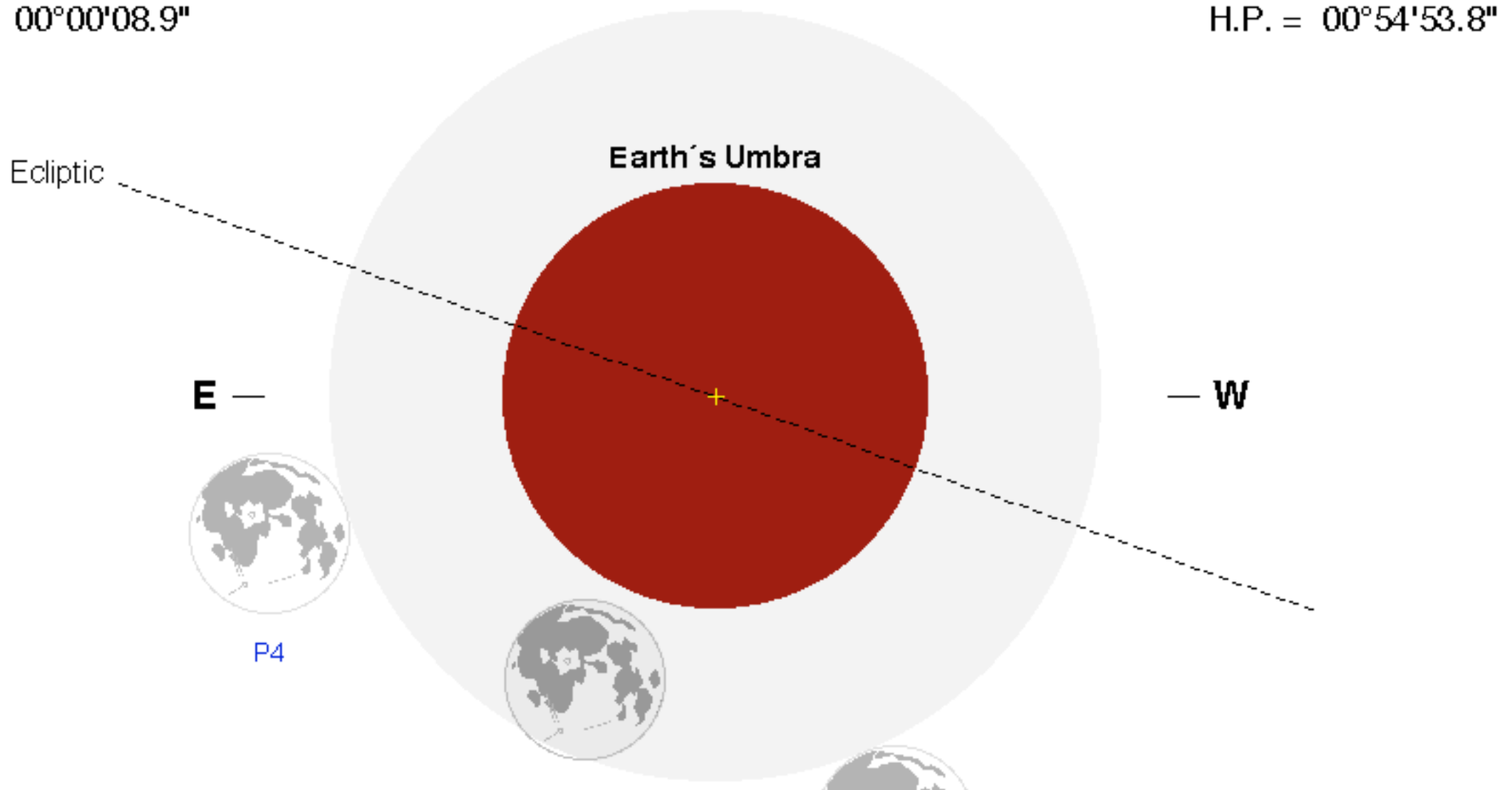
Saros Series = 116 Member = 55 of 73

<u>Sun at Greatest Eclipse</u>
(Geocentric Coordinates)

R.A. = 14h12m57.7s
Dec. = -13°22'20.9"
S.D. = 00°16'06.2"
H.P. = 00°00'08.9"

<u>Moon at Greatest Eclipse</u>
(Geocentric Coordinates)

R.A. = 02h14m38.8s
Dec. = +12°29'37.5"
S.D. = 00°14'57.5"
H.P. = 00°54'53.8"



<u>Eclipse Durations</u>

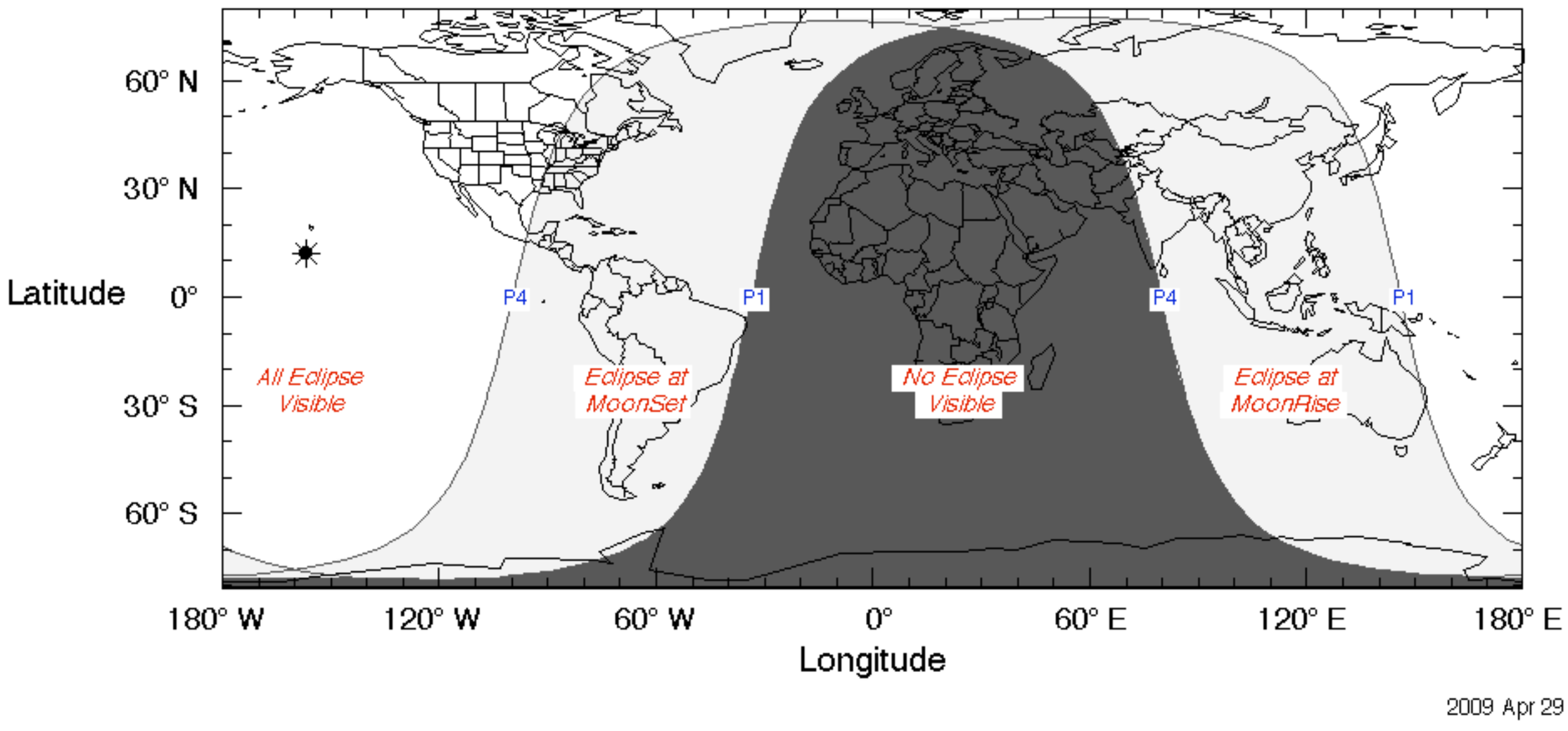
Penumbral = 04h33m41s

<u>Eclipse Contacts</u>

P1 = 07:55:27 UT
P4 = 12:29:08 UT

ΔT = 37 s
Rule = CdT (Danjon)
Eph. = VSOP87/ELP2000-85

F. Espenak, NASA's GSFC
eclipse.gsfc.nasa.gov/eclipse.html



2009 Apr 29