Penumbral Lunar Eclipse of 1933 Feb 10

Ecliptic Conjunction = 13:00:49.3 TD (= 13:00:25.4 UT)
Greatest Eclipse = 13:17:32.8 TD (= 13:17:08.9 UT)

Penumbral Magnitude = 0.0182 P. Radius = 1.2304° Gamma = 1.5600
Umbral Magnitude = -1.0270 U. Radius = 0.6902° Axis = 1.4794°

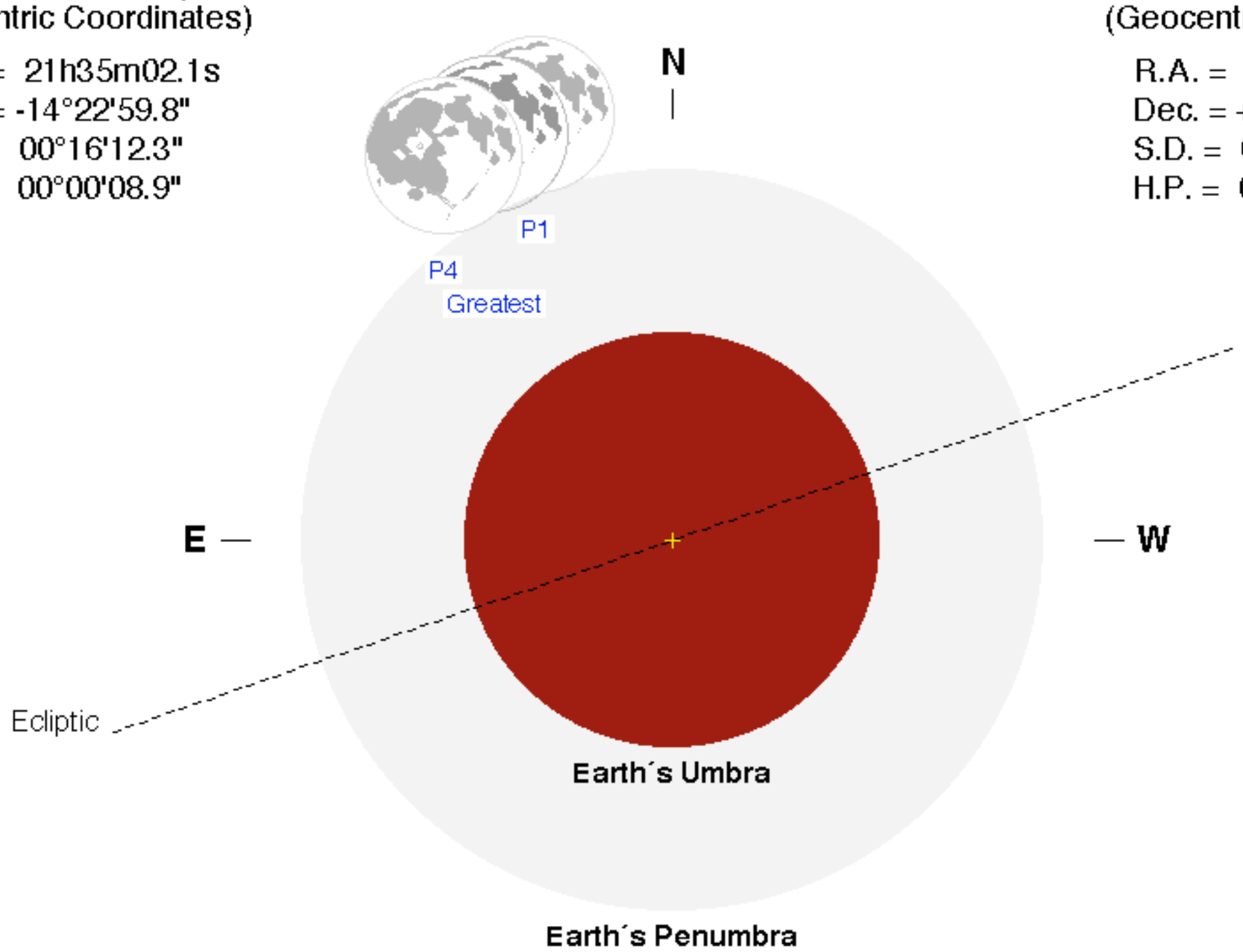
Saros Series = 103 Member = 83 of 84

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

R.A. = 21h35m02.1s
Dec. = -14°22'59.8"
S.D. = 00°16'12.3"
H.P. = 00°00'08.9"

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

R.A. = 09h37m33.2s
Dec. = +15°43'56.1"
S.D. = 00°15'30.3"
H.P. = 00°56'54.1"



<u>Eclipse Durations</u>

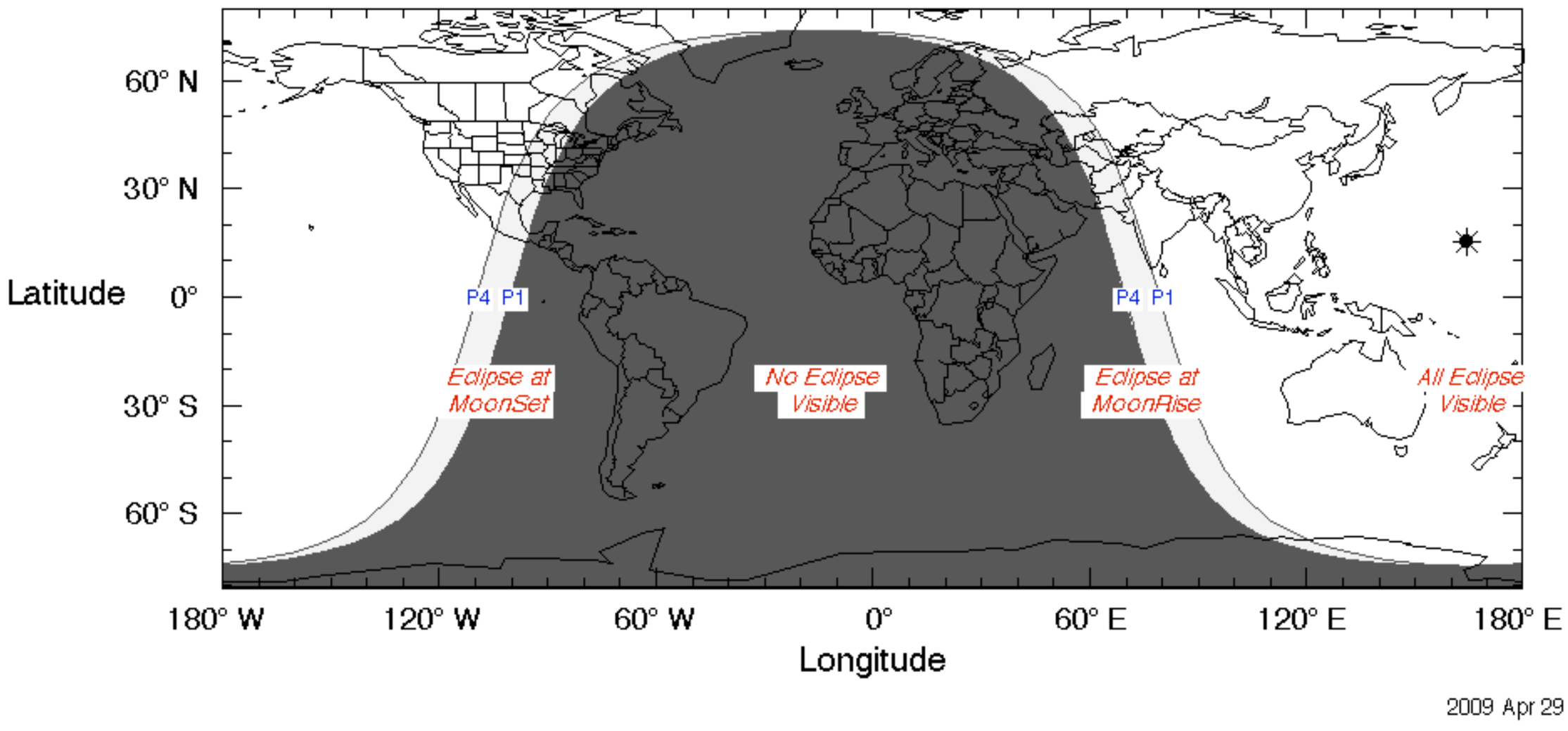
Penumbral = 00h39m34s

<u>Eclipse Contacts</u>

P1 = 12:57:32 UT
P4 = 13:37:06 UT

ΔT = 24 s
Rule = CdT (Danjon)
Eph. = VSOP87/ELP2000-85

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



2009 Apr 29