Penumbral Lunar Eclipse of 2009 Feb 09

Ecliptic Conjunction = 14:50:16.0 TD (= 14:49:09.8 UT)
Greatest Eclipse = 14:39:22.0 TD (= 14:38:15.8 UT)

Penumbral Magnitude = 0.8994 P. Radius = 1.2866° Gamma = -1.0640
Umbral Magnitude = -0.0882 U. Radius = 0.7463° Axis = 1.0681°

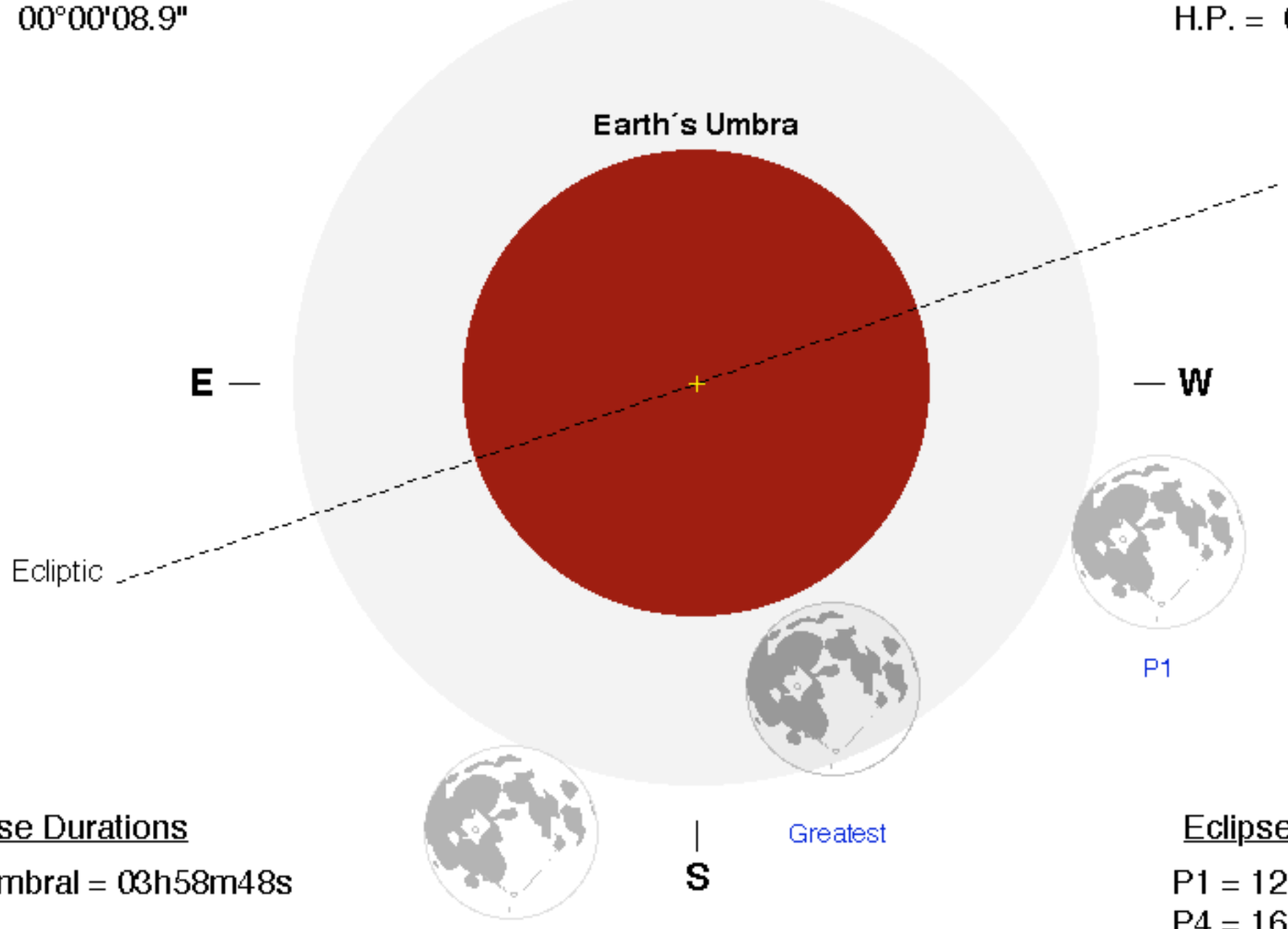
Saros Series = 143 Member = 18 of 73

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

R.A. = 21h33m30.0s
Dec. = -14°30'07.1"
S.D. = 00°16'12.6"
H.P. = 00°00'08.9"

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

R.A. = 09h31m42.1s
Dec. = +13°31'37.2"
S.D. = 00°16'24.8"
H.P. = 01°00'14.1"



<u>Eclipse Durations</u>

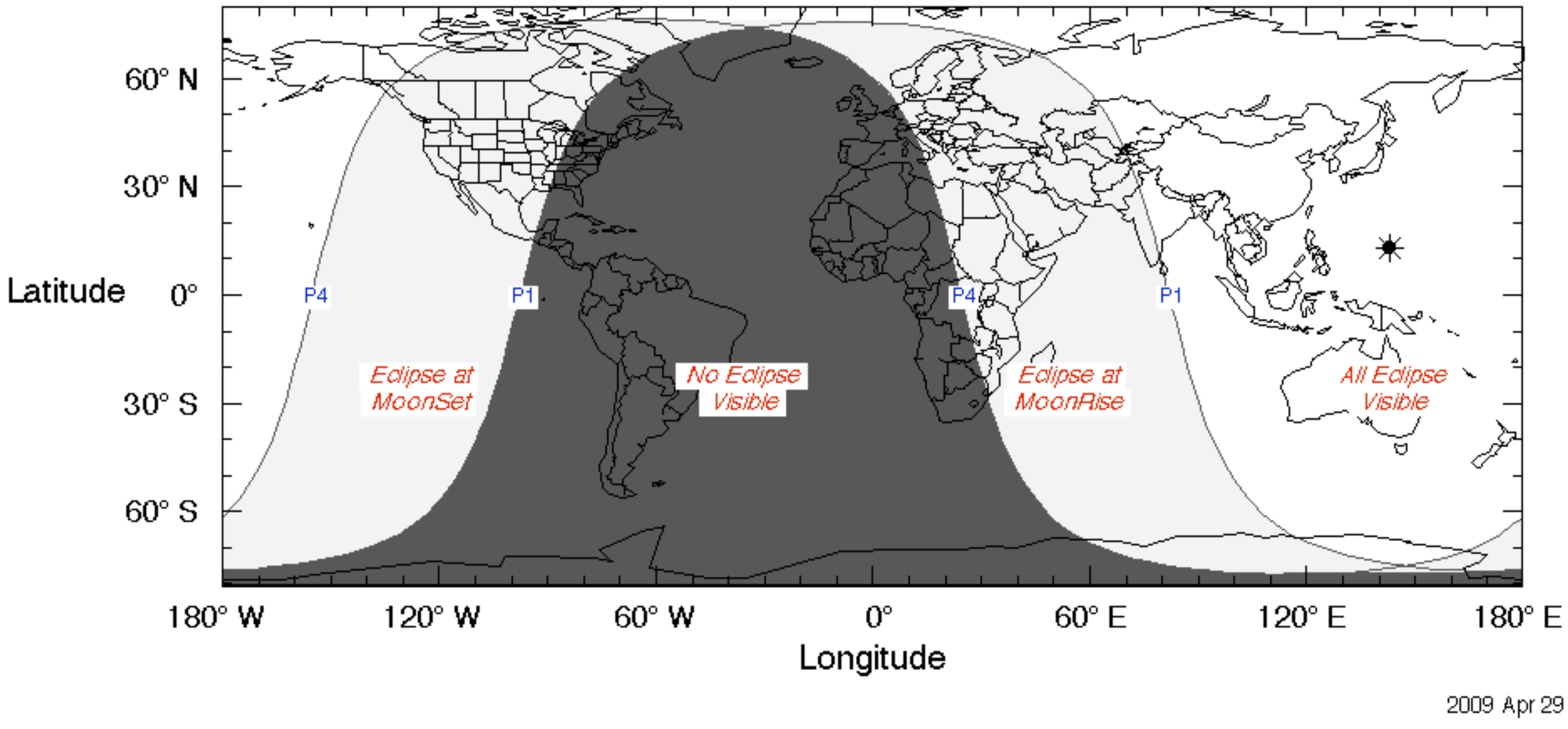
Penumbral = 03h58m48s

<u>Eclipse Contacts</u>

P1 = 12:38:50 UT
P4 = 16:37:39 UT

ΔT = 66 s
Rule = CdT (Danjon)
Eph. = VSOP87/ELP2000-85

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



2009 Apr 29