Penumbral Lunar Eclipse of 2017 Feb 11

Ecliptic Conjunction = 00:34:01.4 TD (= 00:32:51.3 UT)
Greatest Eclipse = 00:45:03.0 TD (= 00:43:52.9 UT)

Penumbral Magnitude = 0.9884 P. Radius = 1.2505° Gamma = -1.0254
Umbral Magnitude = -0.0354 U. Radius = 0.7103° Axis = 0.9928°

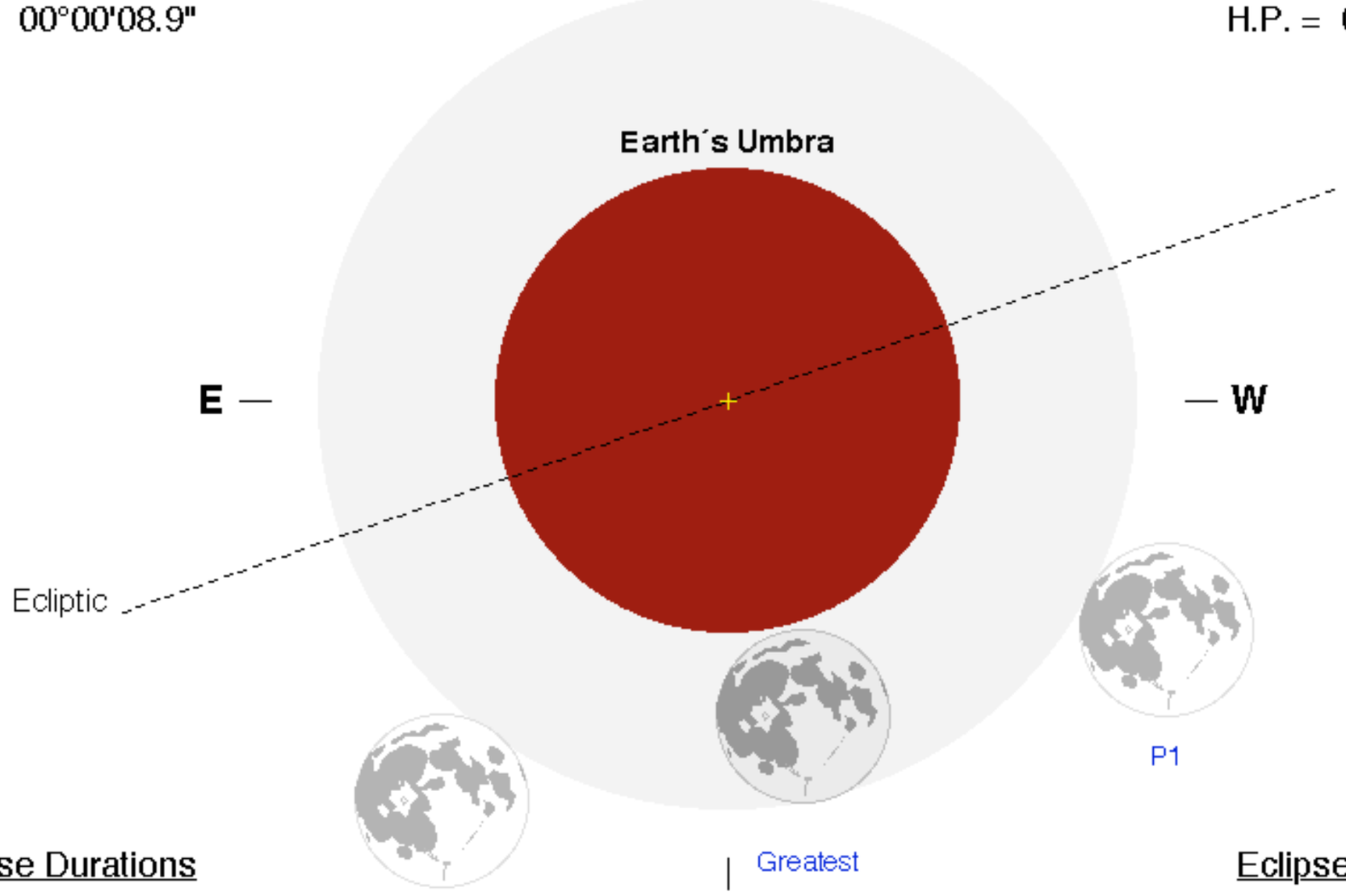
Saros Series = 114 Member = 59 of 71

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

R.A. = 21h39m19.2s
Dec. = -14°01'07.8"
S.D. = 00°16'12.3"
H.P. = 00°00'08.9"

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

R.A. = 09h38m22.6s
Dec. = +13°03'10.1"
S.D. = 00°15'49.7"
H.P. = 00°58'05.6"



<u>Eclipse Durations</u>

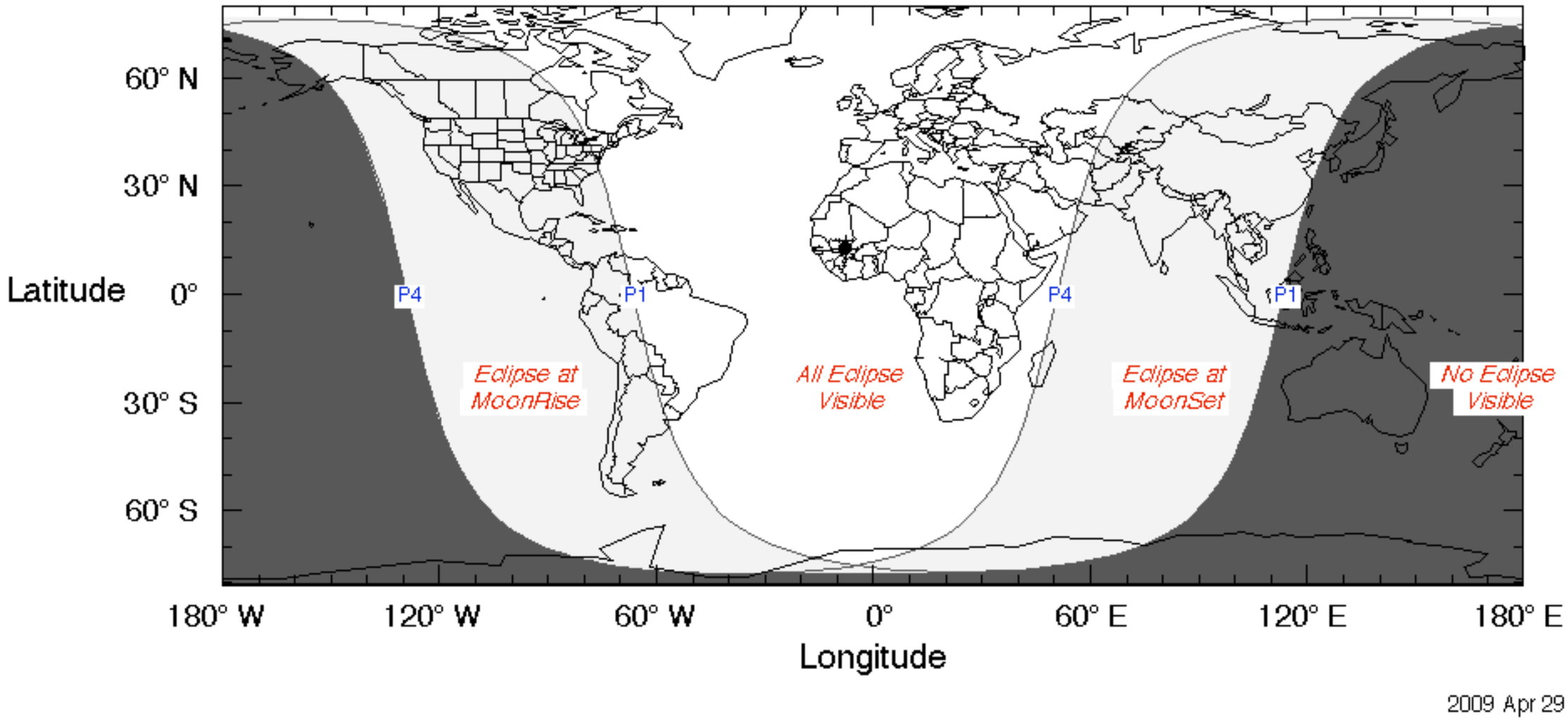
Penumbral = 04h19m10s

<u>Eclipse Contacts</u>

P1 = 22:34:16 UT
P4 = 02:53:26 UT

ΔT = 70 s
Rule = CdT (Danjon)
Eph. = VSOP87/ELP2000-85

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



2009 Apr 29