Penumbral Lunar Eclipse of 2060 Apr 15

Ecliptic Conjunction = 21:23:24.9 TD (= 21:21:30.8 UT)
Greatest Eclipse = 21:37:03.8 TD (= 21:35:09.7 UT)

Penumbral Magnitude = 0.7674 P. Radius = 1.1774° Gamma = 1.1621
Umbral Magnitude = -0.3156 U. Radius = 0.6461° Axis = 1.0462°

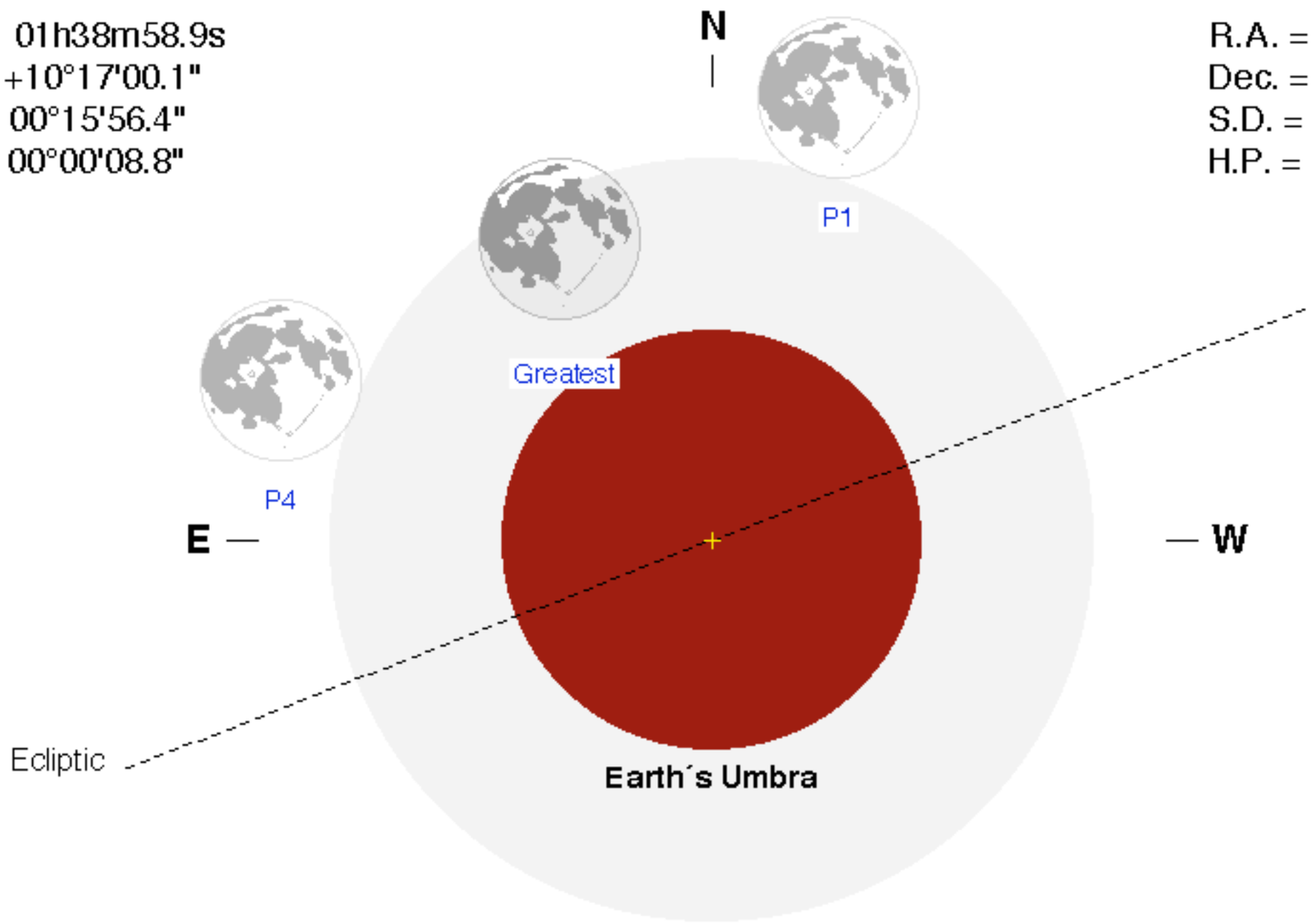
Saros Series = 113 Member = 66 of 71

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

R.A. = 01h38m58.9s
Dec. = +10°17'00.1"
S.D. = 00°15'56.4"
H.P. = 00°00'08.8"

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

R.A. = 13h40m53.6s
Dec. = -09°20'57.1"
S.D. = 00°14'43.1"
H.P. = 00°54'01.1"



<u>Eclipse Durations</u>

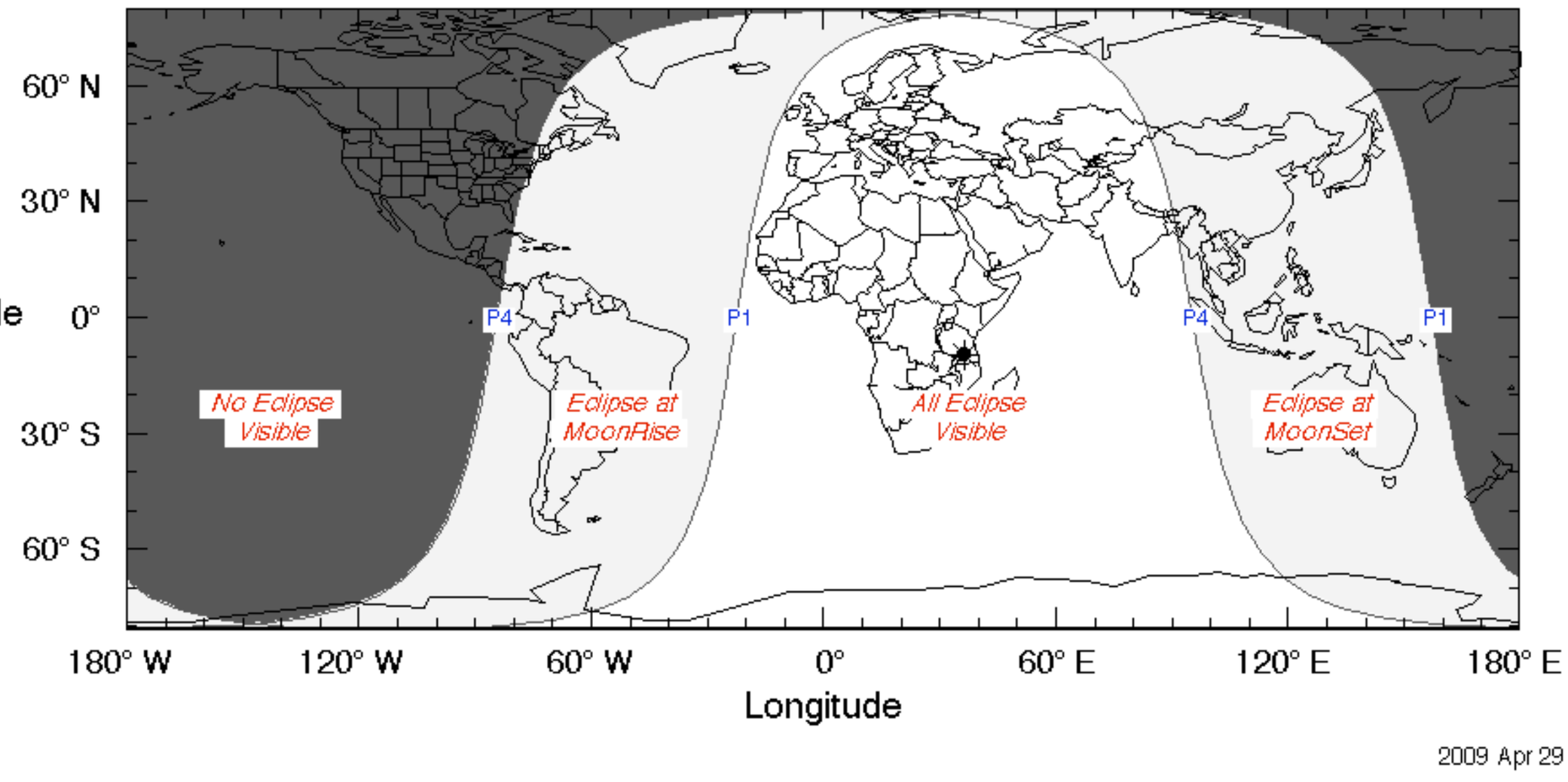
Penumbral = 04h14m58s

<u>Eclipse Contacts</u>

P1 = 19:27:40 UT
P4 = 23:42:38 UT

ΔT = 114 s
Rule = CdT (Danjon)
Eph. = VSOP87/ELP2000-85

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



2009 Apr 29