Penumbral Lunar Eclipse of 2053 Aug 29

Ecliptic Conjunction = 07:54:13.1 TD (= 07:52:32.8 UT)
Greatest Eclipse = 08:05:50.3 TD (= 08:04:09.9 UT)

Penumbral Magnitude = 1.0191 P. Radius = 1.1963° Gamma = 1.0164
Umbral Magnitude = -0.0330 U. Radius = 0.6684° Axis = 0.9358°

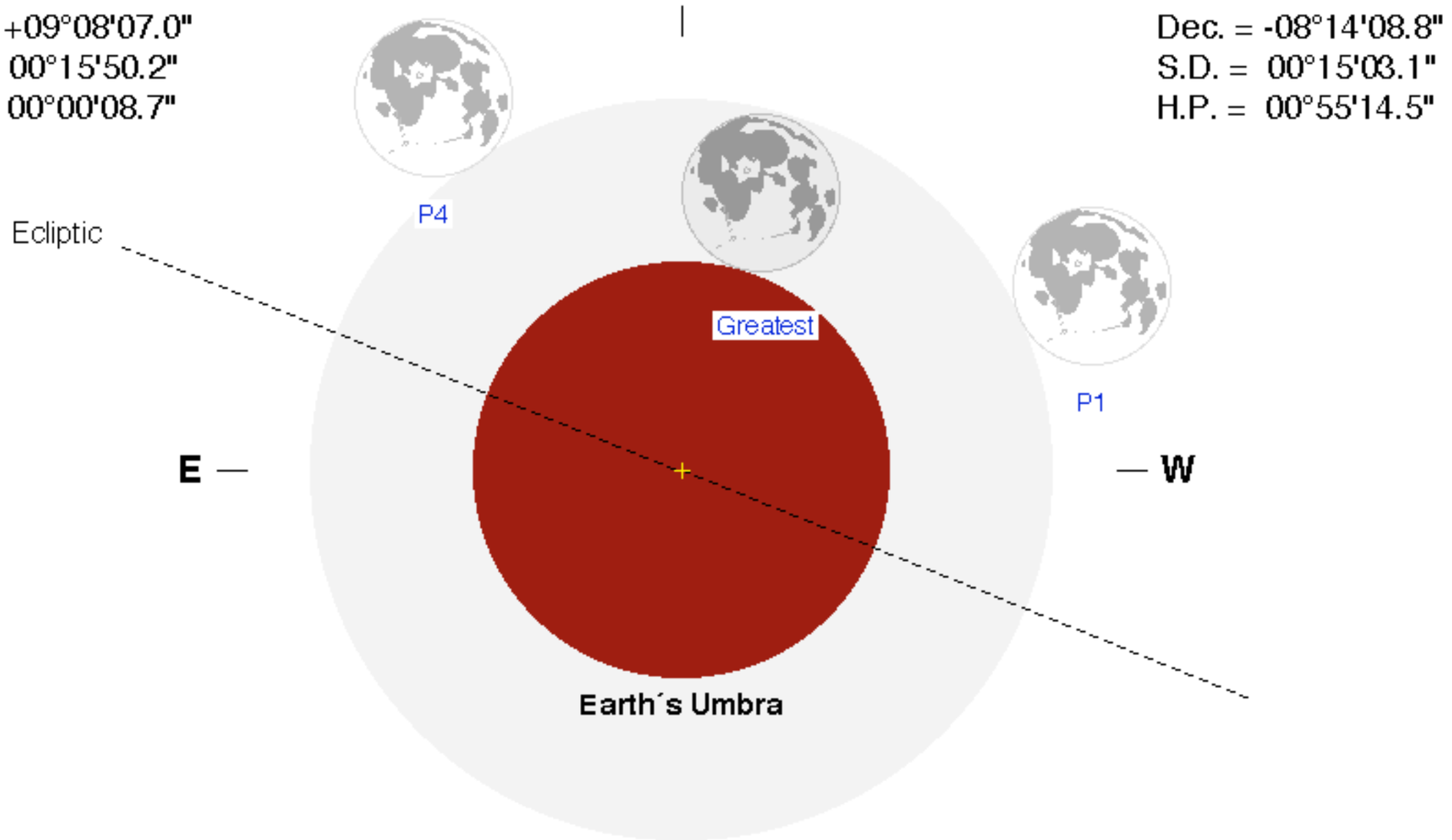
Saros Series = 119 Member = 64 of 83

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

R.A. = 10h32m52.4s
Dec. = +09°08'07.0"
S.D. = 00°15'50.2"
H.P. = 00°00'08.7"

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

R.A. = 22h31m49.7s
Dec. = -08°14'08.8"
S.D. = 00°15'03.1"
H.P. = 00°55'14.5"



<u>Eclipse Durations</u>

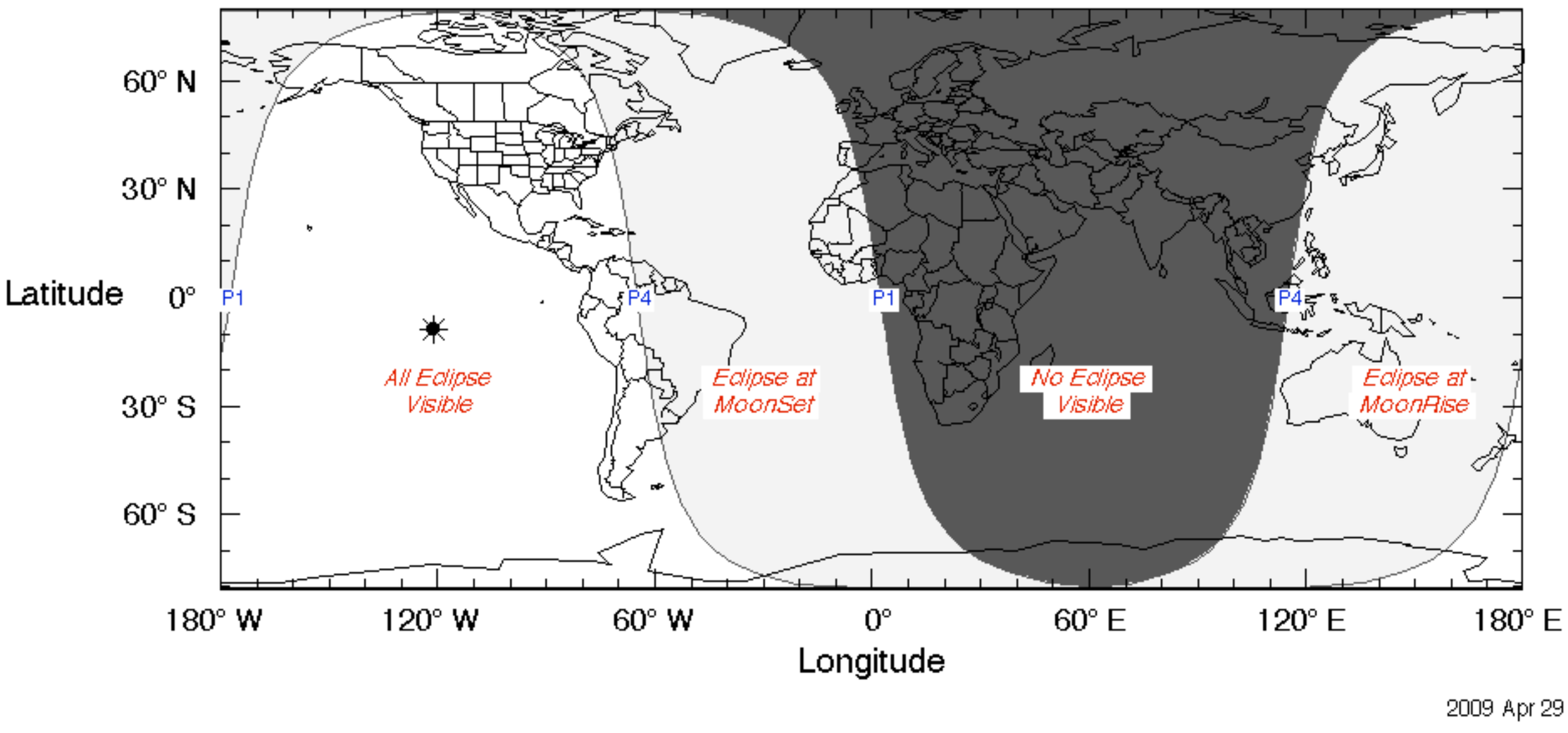
Penumbral = 04h37m45s

<u>Eclipse Contacts</u>

P1 = 05:45:20 UT
P4 = 10:23:05 UT

ΔT = 100 s
Rule = CdT (Danjon)
Eph. = VSOP87/ELP2000-85

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



2009 Apr 29