Penumbral Lunar Eclipse of 1911 May 13

Ecliptic Conjunction = 06:09:39.6 TD (= 06:09:27.4 UT)
Greatest Eclipse = 05:56:23.6 TD (= 05:56:11.3 UT)

Penumbral Magnitude = 0.7987 P. Radius = 1.1806° Gamma = -1.1413
Umbral Magnitude = -0.2706 U. Radius = 0.6530° Axis = 1.0332°

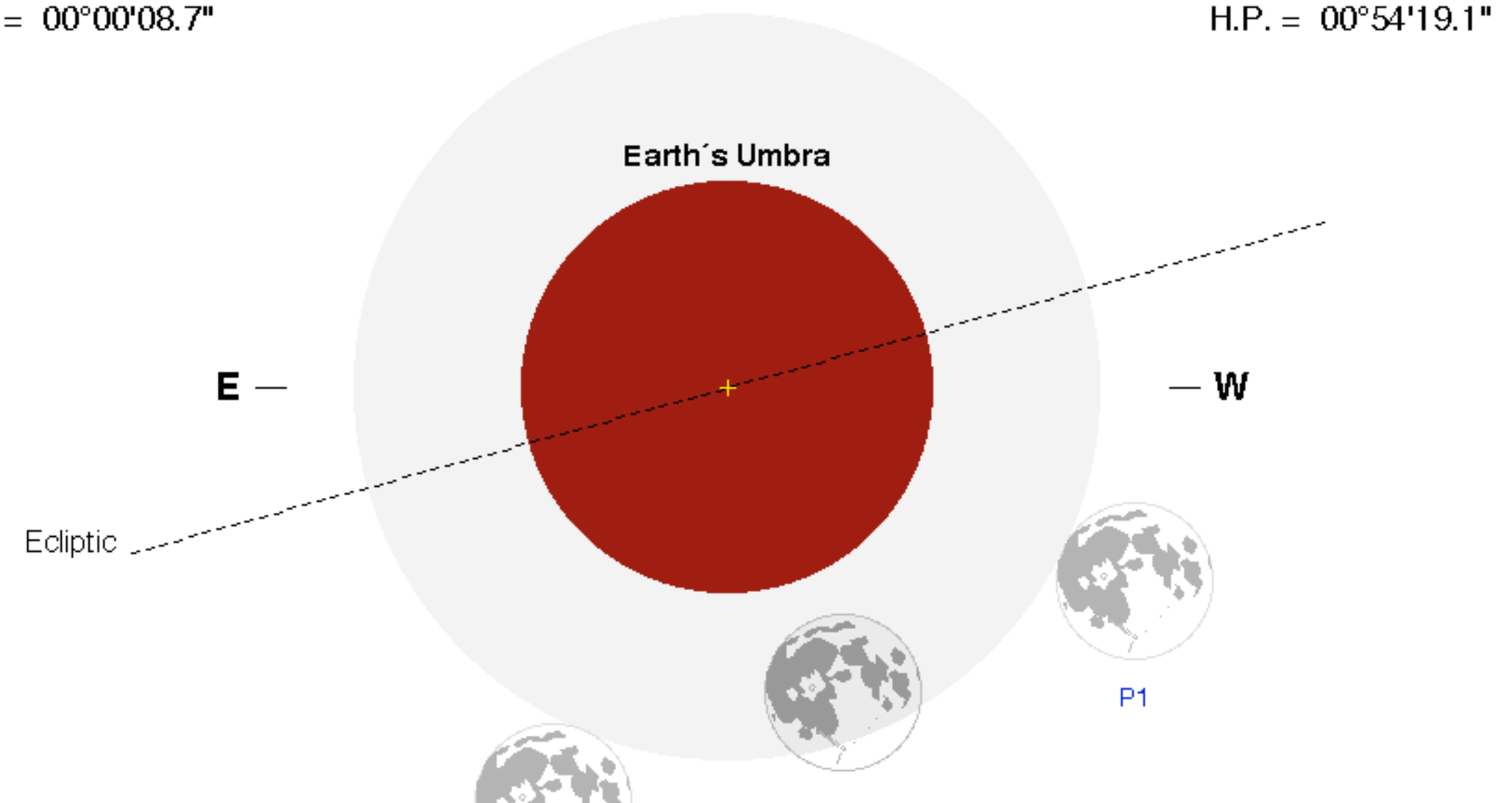
Saros Series = 139 Member = 16 of 81

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

R.A. = 03h15m42.8s
Dec. = +18°06'38.8"
S.D. = 00°15'49.6"
H.P. = 00°00'08.7"

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

R.A. = 15h14m09.7s
Dec. = -19°04'35.0"
S.D. = 00°14'48.0"
H.P. = 00°54'19.1"



<u>Eclipse Durations</u>

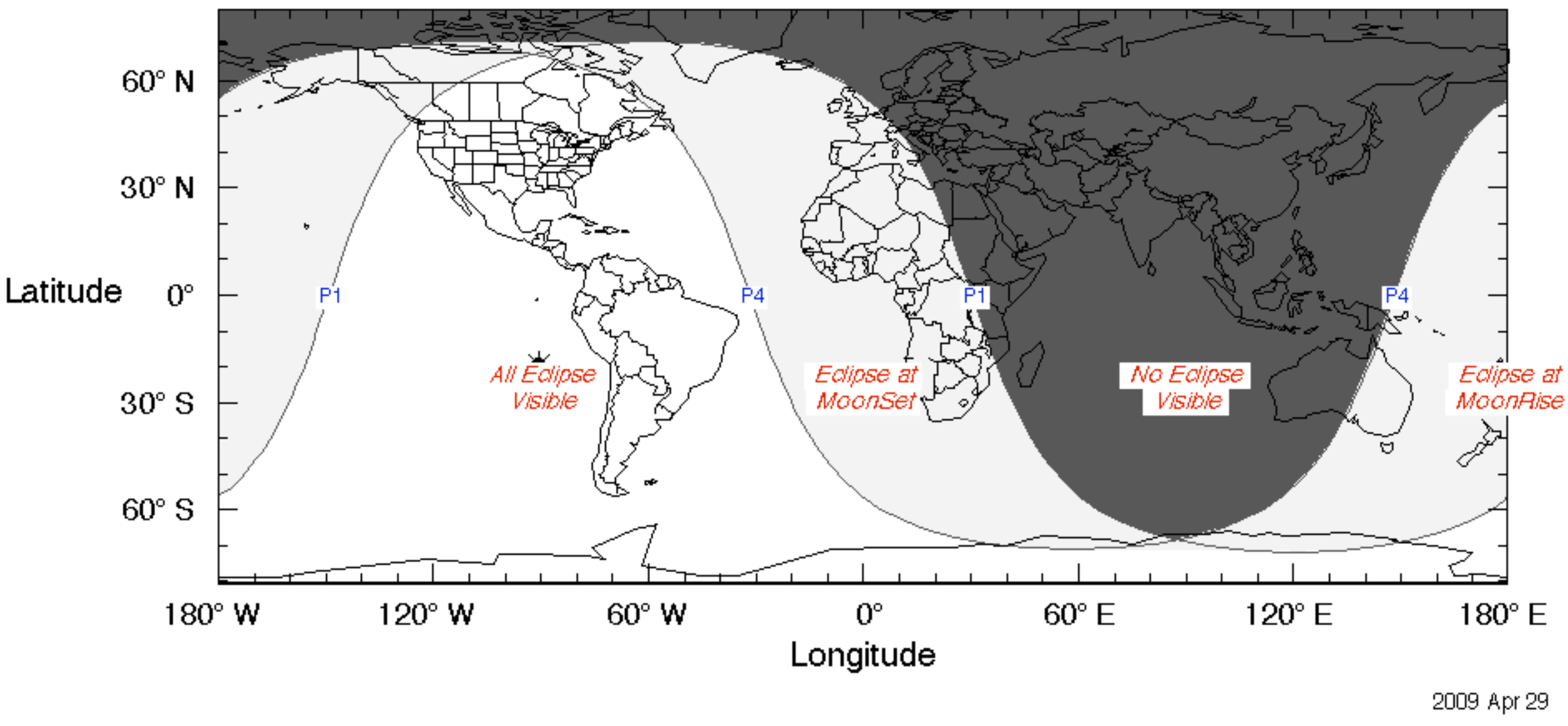
Penumbral = 04h16m58s

<u>Eclipse Contacts</u>

P1 = 03:47:41 UT
P4 = 08:04:39 UT

ΔT = 12 s
Rule = CdT (Danjon)
Eph. = VSOP87/ELP2000-85

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



2009 Apr 29