Penumbral Lunar Eclipse of 1965 Dec 08

Ecliptic Conjunction = 17:21:43.4 TD (= 17:21:06.9 UT)
Greatest Eclipse = 17:10:31.7 TD (= 17:09:55.2 UT)

Penumbral Magnitude = 0.8820 P. Radius = 1.2743° Gamma = 1.0774
Umbral Magnitude = -0.1201 U. Radius = 0.7330° Axis = 1.0679°

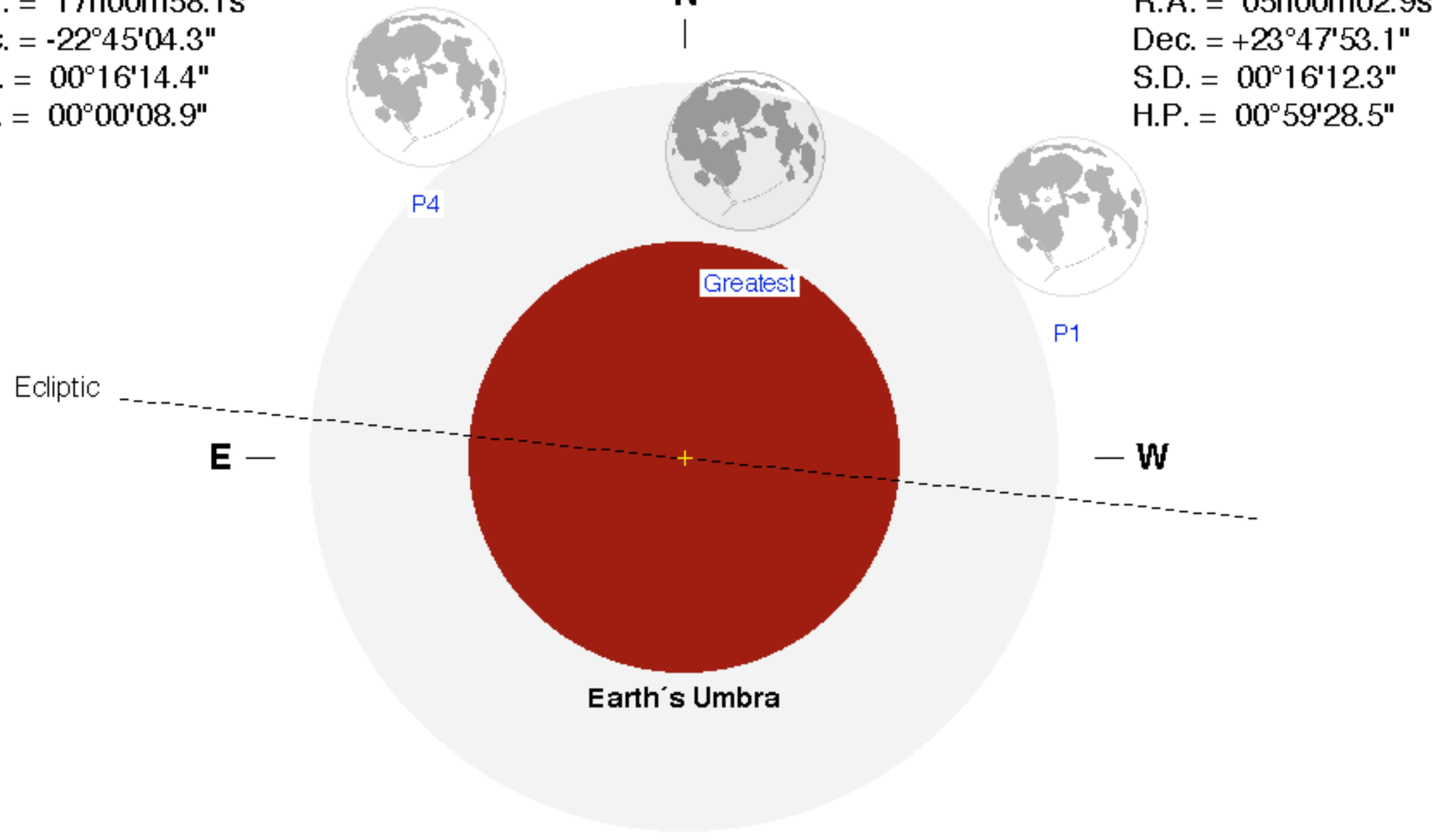
Saros Series = 144 Member = 13 of 71

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

R.A. = 17h00m58.1s
Dec. = -22°45'04.3"
S.D. = 00°16'14.4"
H.P. = 00°00'08.9"

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

R.A. = 05h00m02.9s
Dec. = +23°47'53.1"
S.D. = 00°16'12.3"
H.P. = 00°59'28.5"



<u>Eclipse Durations</u>

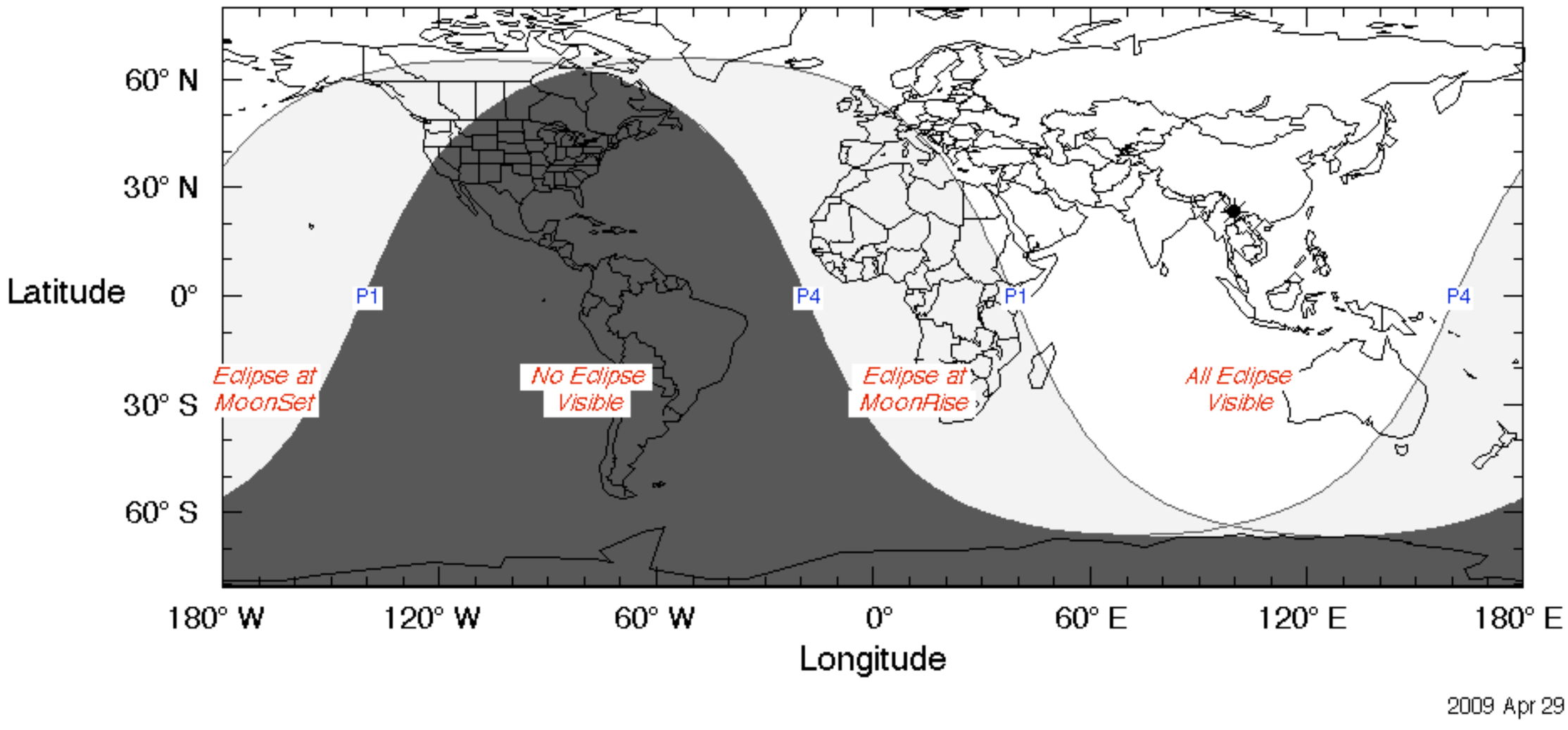
Penumbral = 04h00m40s

<u>Eclipse Contacts</u>

P1 = 15:09:39 UT
P4 = 19:10:19 UT

ΔT = 36 s
Rule = CdT (Danjon)
Eph. = VSOP87/ELP2000-85

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



2009 Apr 29