Penumbral Lunar Eclipse of 1922 Mar 13

Ecliptic Conjunction = 11:14:21.3 TD (= 11:13:58.6 UT)
Greatest Eclipse = 11:28:48.1 TD (= 11:28:25.4 UT)

Penumbral Magnitude = 0.1320 P. Radius = 1.3033° Gamma = -1.4752
Umbral Magnitude = -0.8304 U. Radius = 0.7671° Axis = 1.5083°

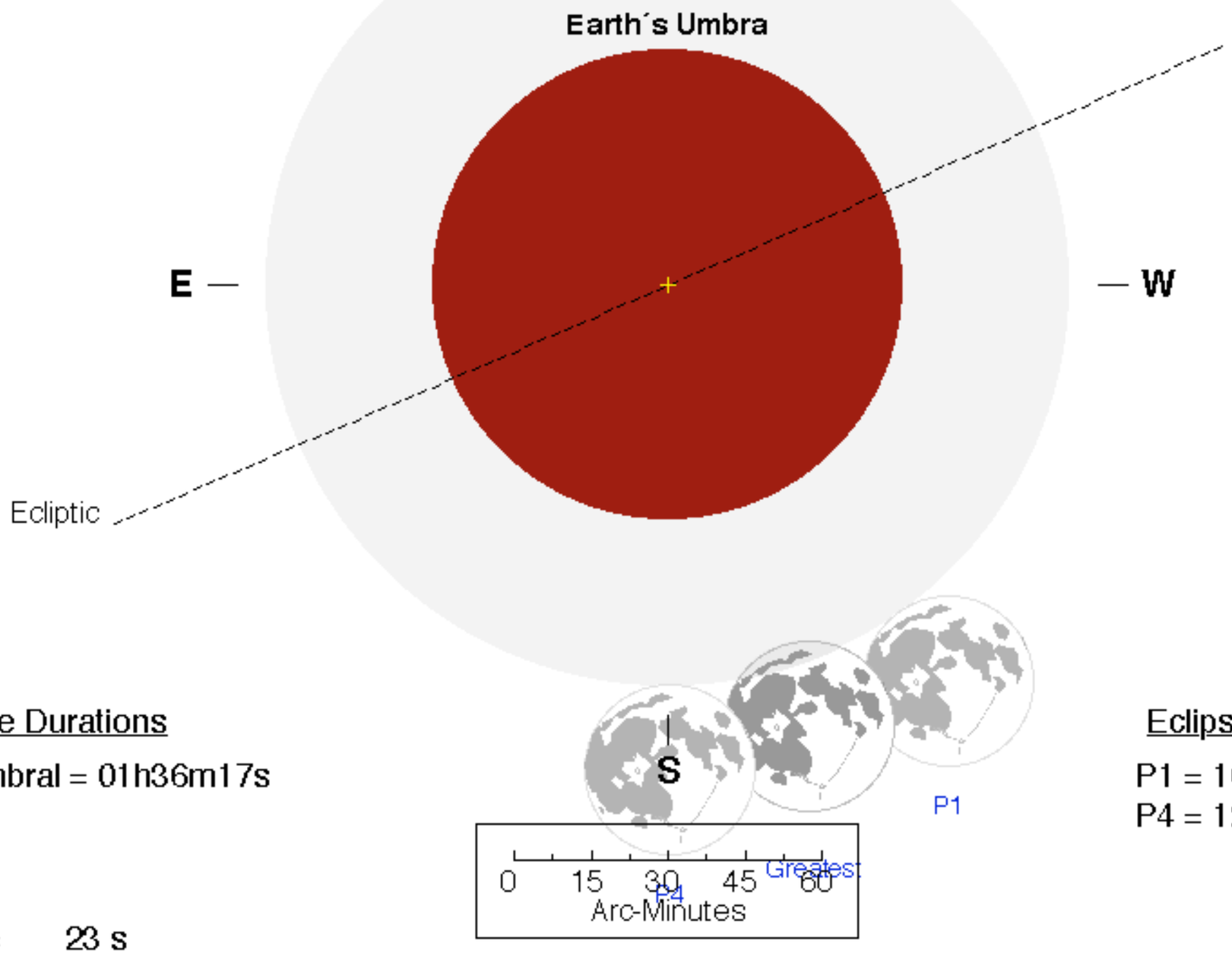
Saros Series = 102 Member = 82 of 84

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

R.A. = 23h31m01.5s
Dec. = -03°07'49.4"
S.D. = 00°16'05.3"
H.P. = 00°00'08.8"

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

R.A. = 11h29m10.6s
Dec. = +01°41'39.5"
S.D. = 00°16'43.0"
H.P. = 01°01'21.0"



<u>Eclipse Durations</u>

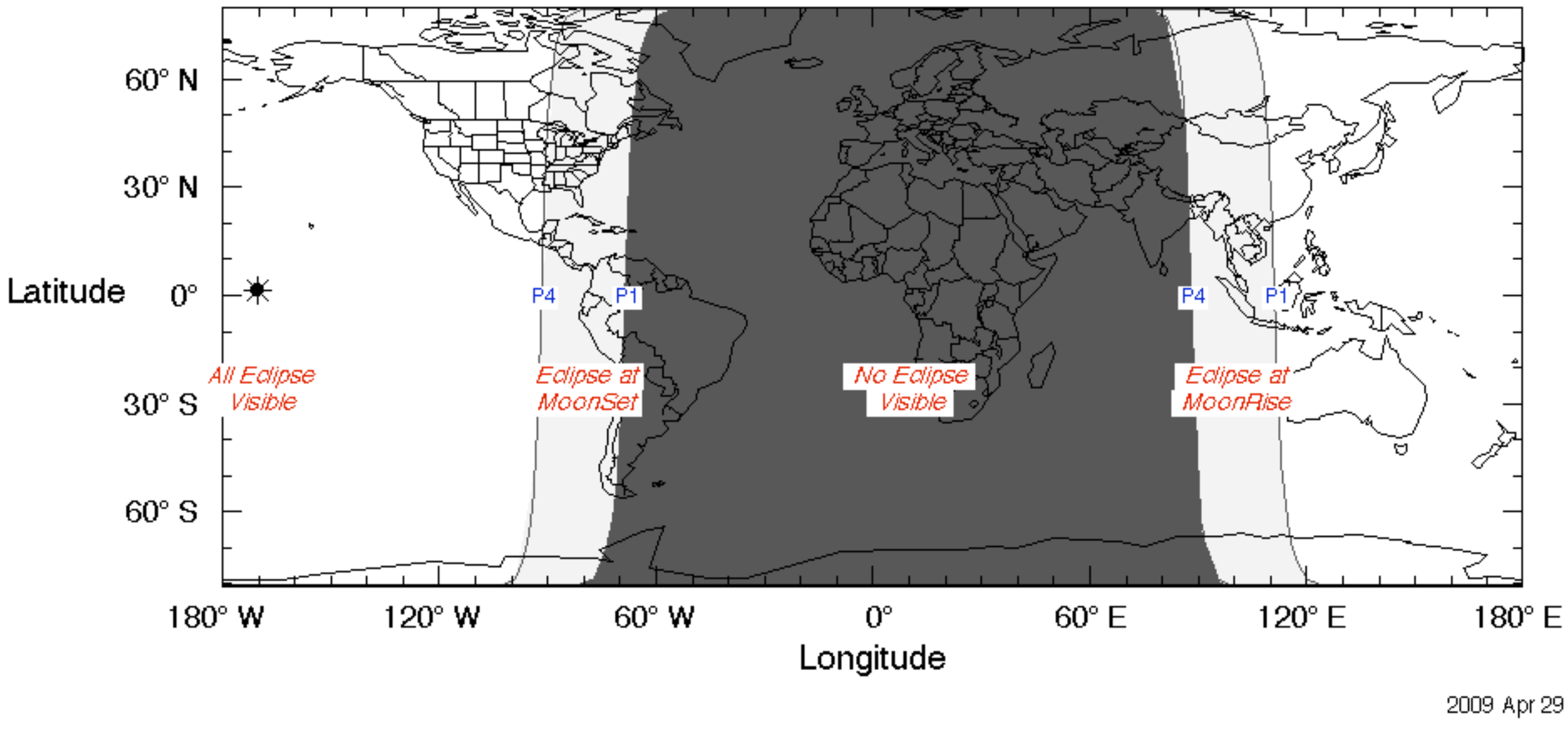
Penumbral = 01h36m17s

<u>Eclipse Contacts</u>

P1 = 10:40:15 UT
P4 = 12:16:32 UT

ΔT = 23 s
Rule = CdT (Danjon)
Eph. = VSOP87/ELP2000-85

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



2009 Apr 29