Penumbral Lunar Eclipse of 1908 Jul 13

Ecliptic Conjunction = 21:47:51.7 TD (= 21:47:43.4 UT)
Greatest Eclipse = 21:33:55.0 TD (= 21:33:46.6 UT)

Penumbral Magnitude = 0.2292 P. Radius = 1.2892° Gamma = -1.4185
Umbral Magnitude = -0.7195 U. Radius = 0.7648° Axis = 1.4389°

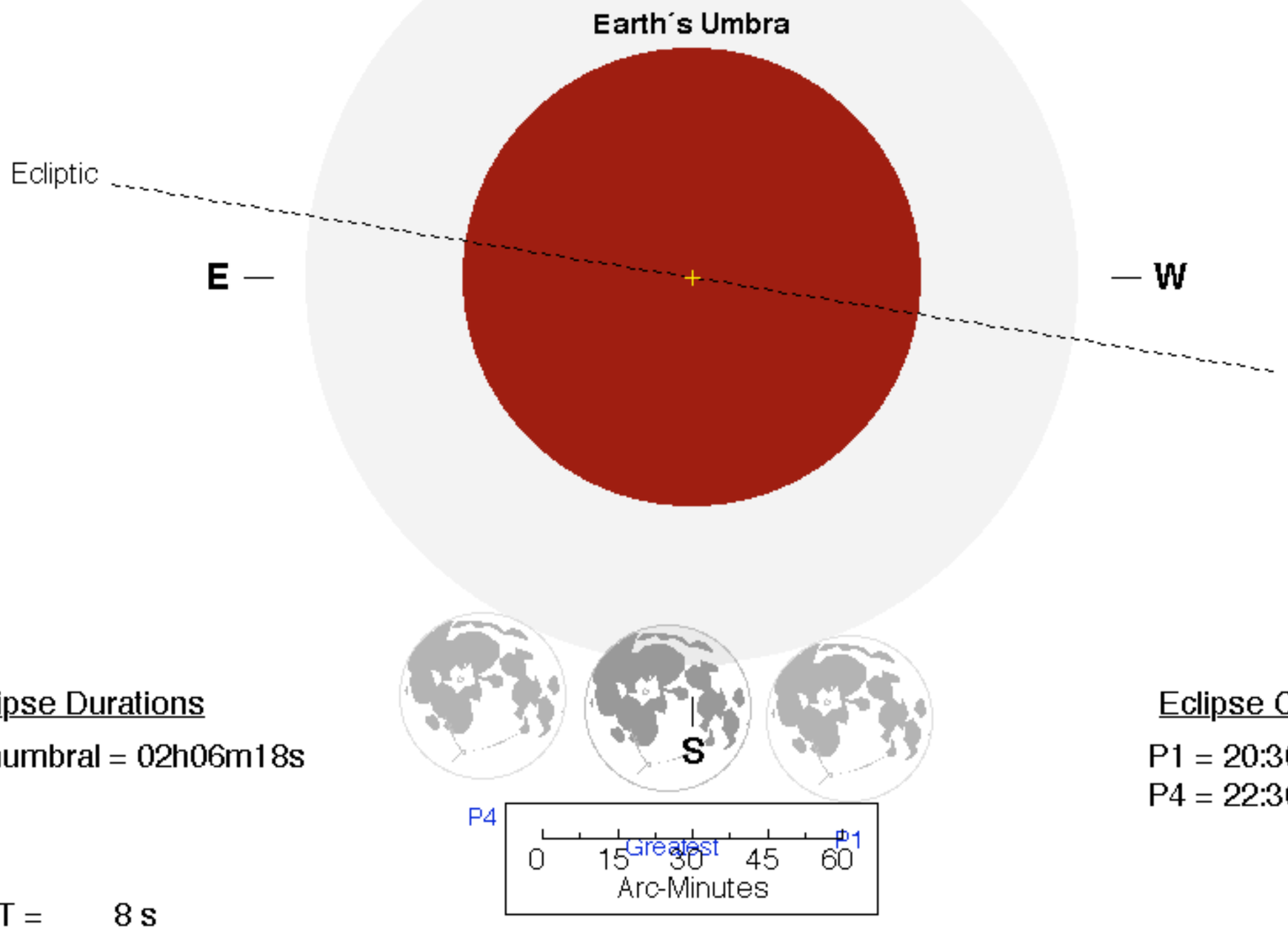
Saros Series = 147 Member = 3 of 71

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

R.A. = 07h30m56.5s
Dec. = +21°48'20.7"
S.D. = 00°15'44.1"
H.P. = 00°00'08.7"

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

R.A. = 19h31m19.0s
Dec. = -23°14'32.0"
S.D. = 00°16'35.1"
H.P. = 01°00'52.0"



<u>Eclipse Durations</u>

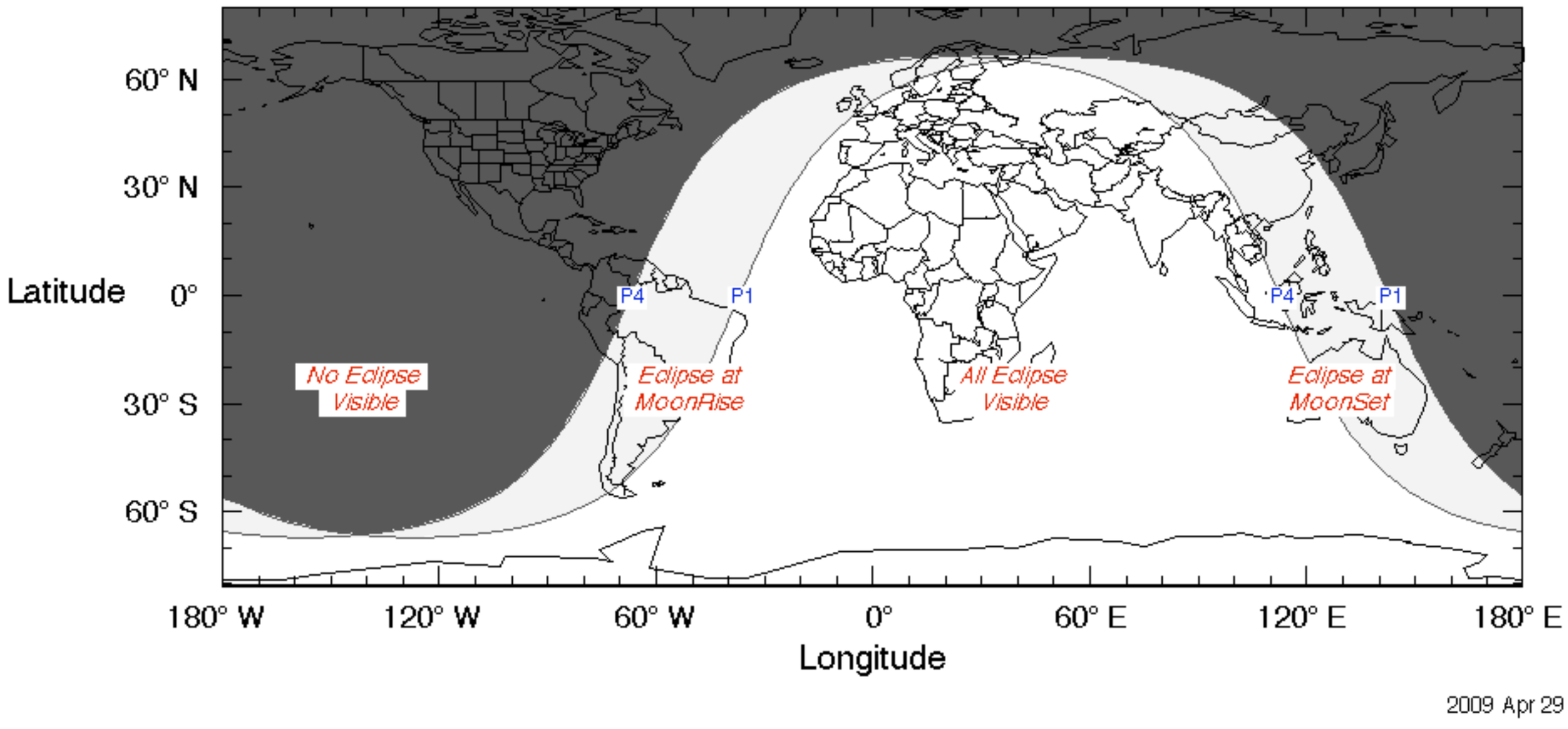
Penumbral = 02h06m18s

<u>Eclipse Contacts</u>

P1 = 20:30:42 UT
P4 = 22:36:59 UT

ΔT = 8 s
Rule = CdT (Danjon)
Eph. = VSOP87/ELP2000-85

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



2009 Apr 29