Penumbral Lunar Eclipse of 1991 Jun 27

Ecliptic Conjunction = 02:59:23.1 TD (= 02:58:25.2 UT)
Greatest Eclipse = 03:15:40.9 TD (= 03:14:42.9 UT)

Penumbral Magnitude = 0.3126 P. Radius = 1.1733° Gamma = -1.4063
Umbral Magnitude = -0.7572 U. Radius = 0.6488° Axis = 1.2651°

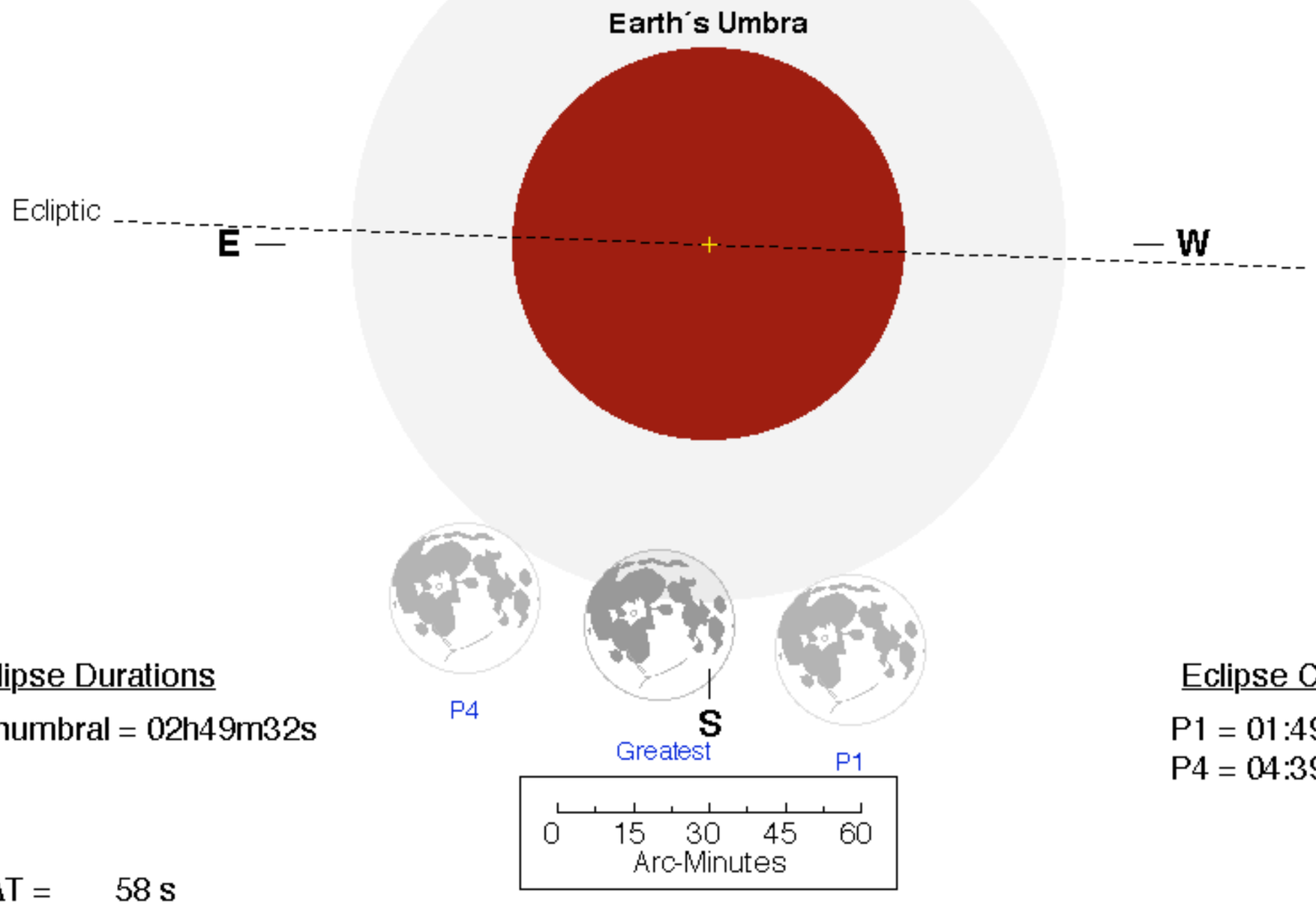
Saros Series = 110 Member = 70 of 72

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

R.A. = 06h21m48.4s
Dec. = +23°20'47.4"
S.D. = 00°15'44.0"
H.P. = 00°00'08.7"

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

R.A. = 18h22m33.3s
Dec. = -24°36'00.4"
S.D. = 00°14'42.5"
H.P. = 00°53'58.6"



<u>Eclipse Durations</u>

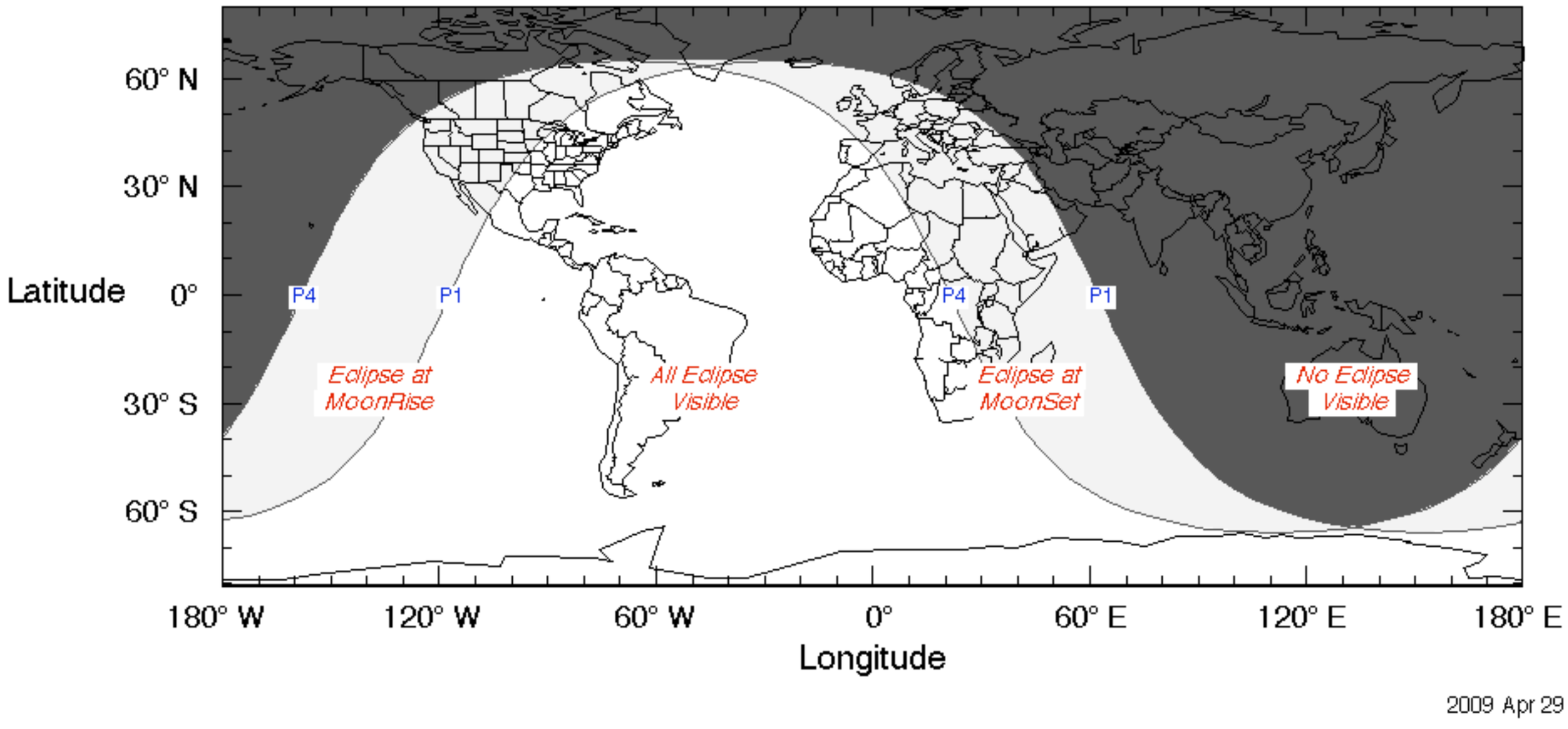
Penumbral = 02h49m32s

<u>Eclipse Contacts</u>

P1 = 01:49:56 UT
P4 = 04:39:29 UT

ΔT = 58 s
Rule = CdT (Danjon)
Eph. = VSOP87/ELP2000-85

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



2009 Apr 29