Penumbral Lunar Eclipse of 1951 Aug 17

Ecliptic Conjunction = 02:59:55.0 TD (= 02:59:25.3 UT)
Greatest Eclipse = 03:14:38.7 TD (= 03:14:08.9 UT)

Penumbral Magnitude = 0.1195 P. Radius = 1.2770° Gamma = -1.4828
Umbral Magnitude = -0.8456 U. Radius = 0.7504° Axis = 1.4846°

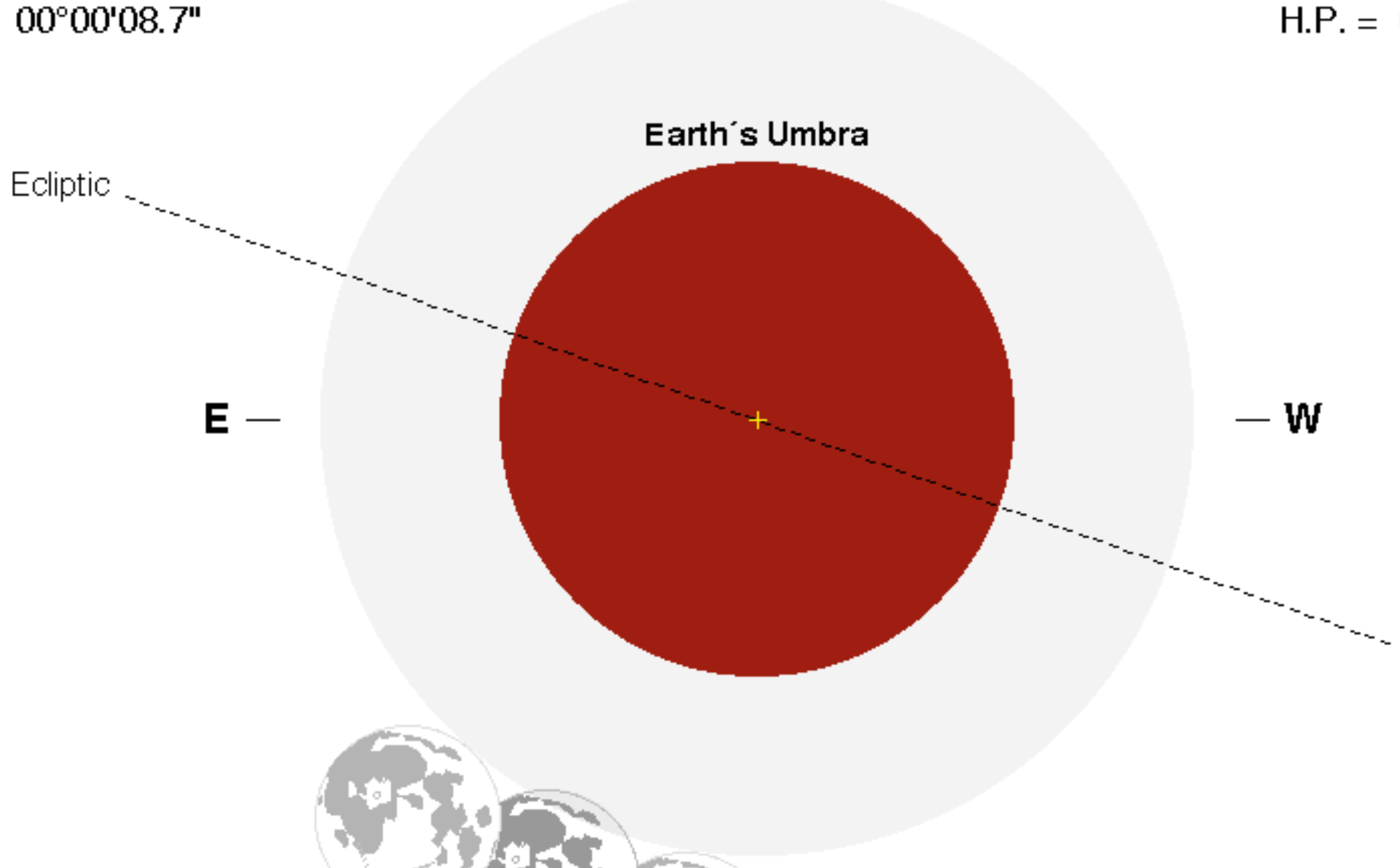
Saros Series = 108 Member = 71 of 72

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

R.A. = 09h43m00.9s
Dec. = +13°43'00.9"
S.D. = 00°15'47.8"
H.P. = 00°00'08.7"

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

R.A. = 21h45m34.4s
Dec. = -15°03'58.1"
S.D. = 00°16'22.1"
H.P. = 01°00'04.5"



<u>Eclipse Durations</u>

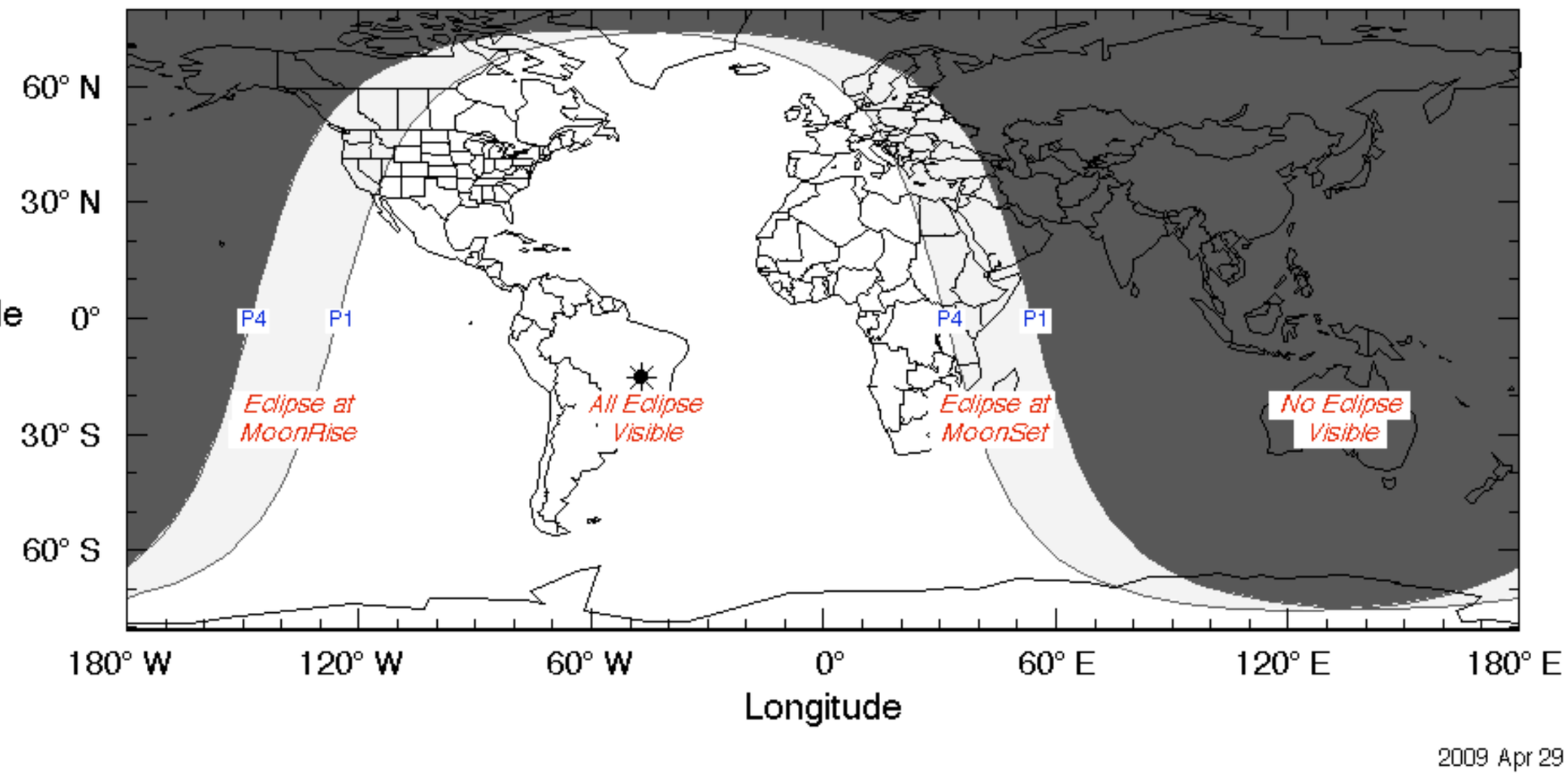
Penumbral = 01h33m36s

<u>Eclipse Contacts</u>

P1 = 02:27:14 UT
P4 = 04:00:50 UT

ΔT = 30 s
Rule = CdT (Danjon)
Eph. = VSOP87/ELP2000-85

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



2009 Apr 29