Penumbral Lunar Eclipse of 1951 Sep 15

Ecliptic Conjunction = 12:38:51.5 TD (= 12:38:21.8 UT)
Greatest Eclipse = 12:27:06.3 TD (= 12:26:36.6 UT)

Penumbral Magnitude = 0.8034 P. Radius = 1.2539° Gamma = 1.1186
Umbral Magnitude = -0.1928 U. Radius = 0.7237° Axis = 1.0925°

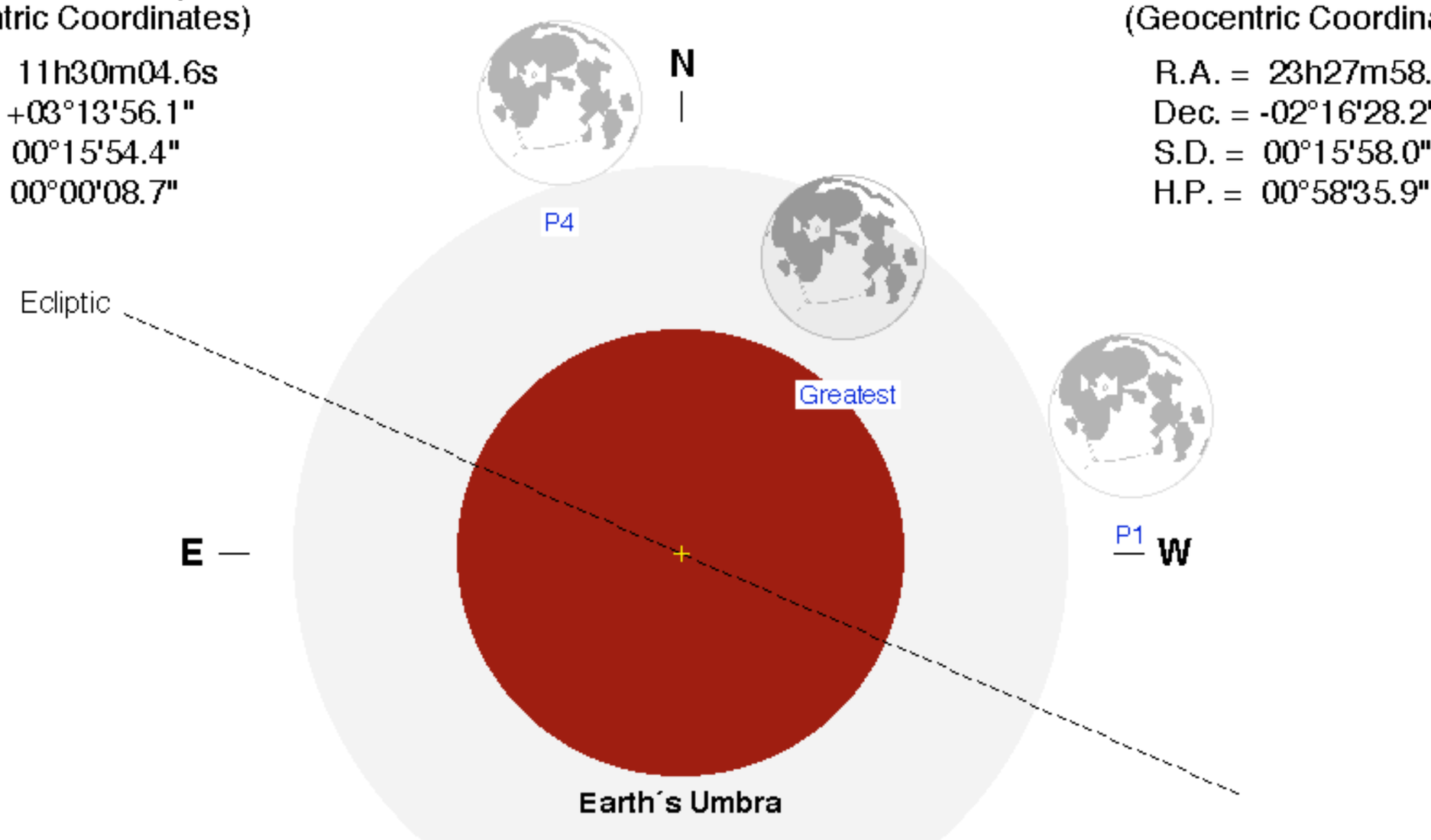
Saros Series = 146 Member = 7 of 72

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

R.A. = 11h30m04.6s
Dec. = +03°13'56.1"
S.D. = 00°15'54.4"
H.P. = 00°00'08.7"

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

R.A. = 23h27m58.3s
Dec. = -02°16'28.2"
S.D. = 00°15'58.0"
H.P. = 00°58'35.9"



<u>Eclipse Durations</u>

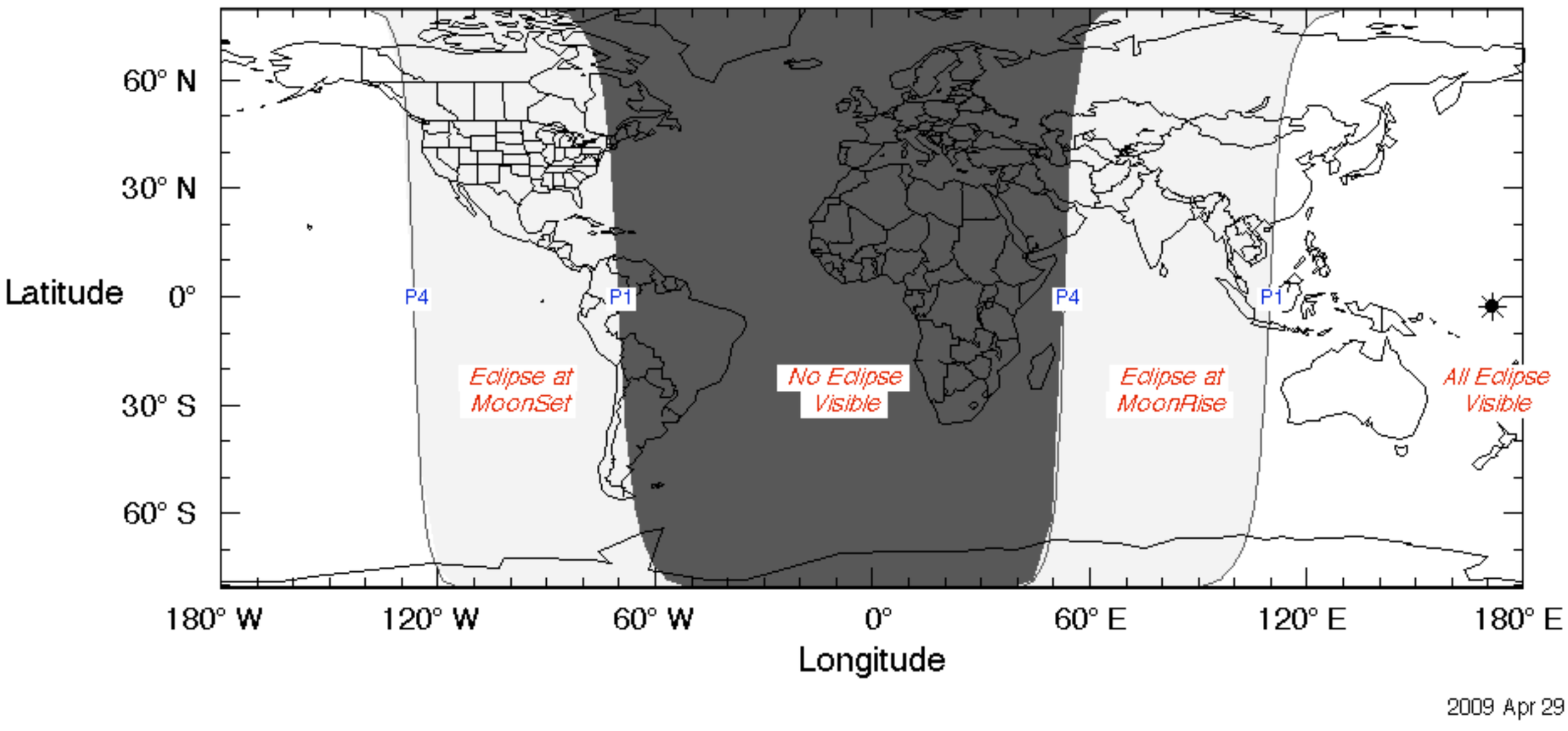
Penumbral = 03h54m36s

<u>Eclipse Contacts</u>

P1 = 10:29:16 UT
P4 = 14:23:52 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