# Penumbral Lunar Eclipse of 2056 Feb 01

Ecliptic Conjunction = 12:37:24.8 TD ( = 12:35:39.4 UT )
Greatest Eclipse = 12:26:05.8 TD ( = 12:24:20.4 UT )

Penumbral Magnitude = 0.9056 P. Radius = 1.2609° Gamma = 1.0682
Umbral Magnitude = -0.1096 U. Radius = 0.7198° Axis = 1.0447°

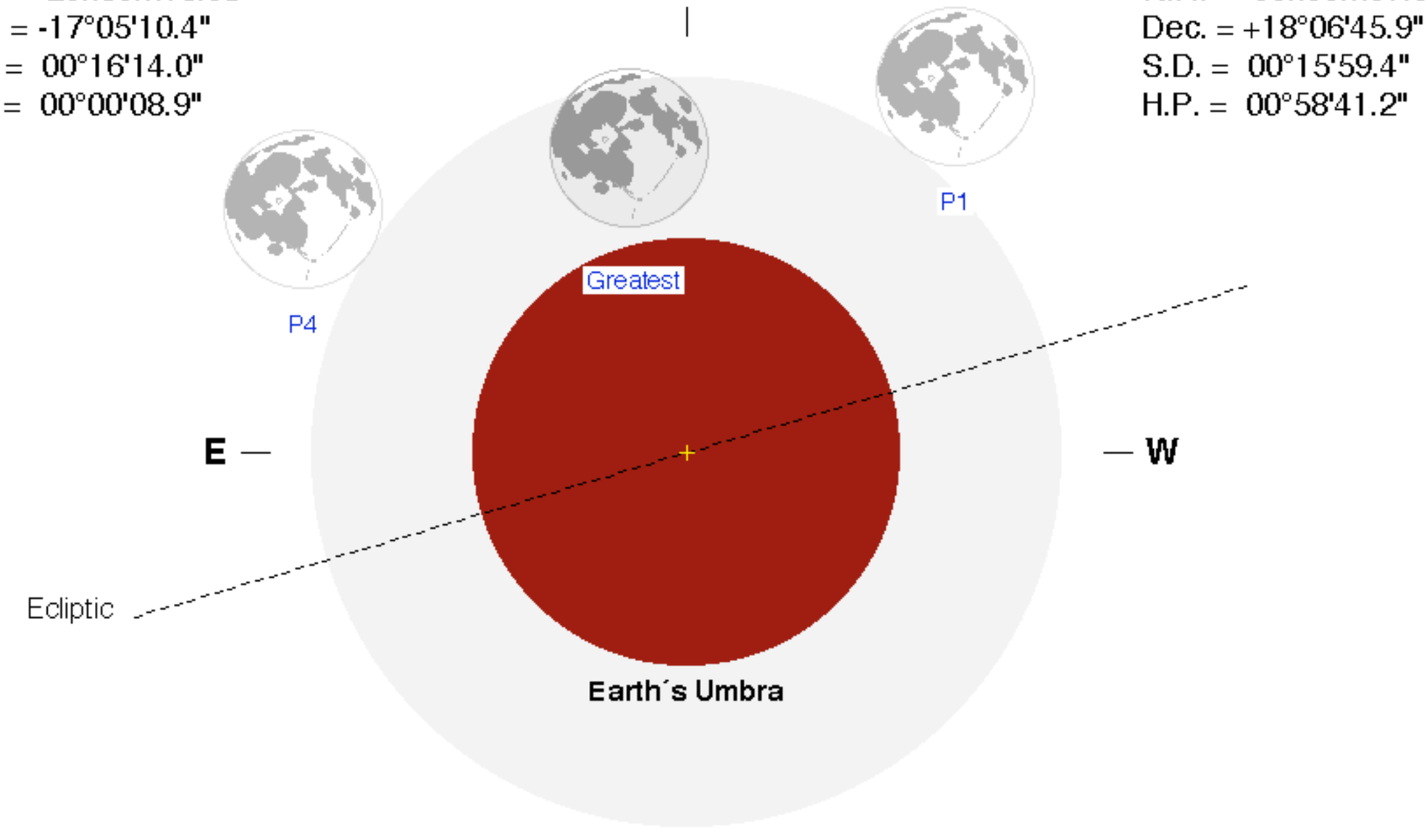
Saros Series = 144 Member = 18 of 71

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

R.A. = 20h59m18.0s
Dec. = -17°05'10.4"
S.D. = 00°16'14.0"
H.P. = 00°00'08.9"

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

R.A. = 09h00m07.0s
Dec. = +18°06'45.9"
S.D. = 00°15'59.4"
H.P. = 00°58'41.2"




<u>Eclipse Durations</u>

Penumbral = 04h07m14s

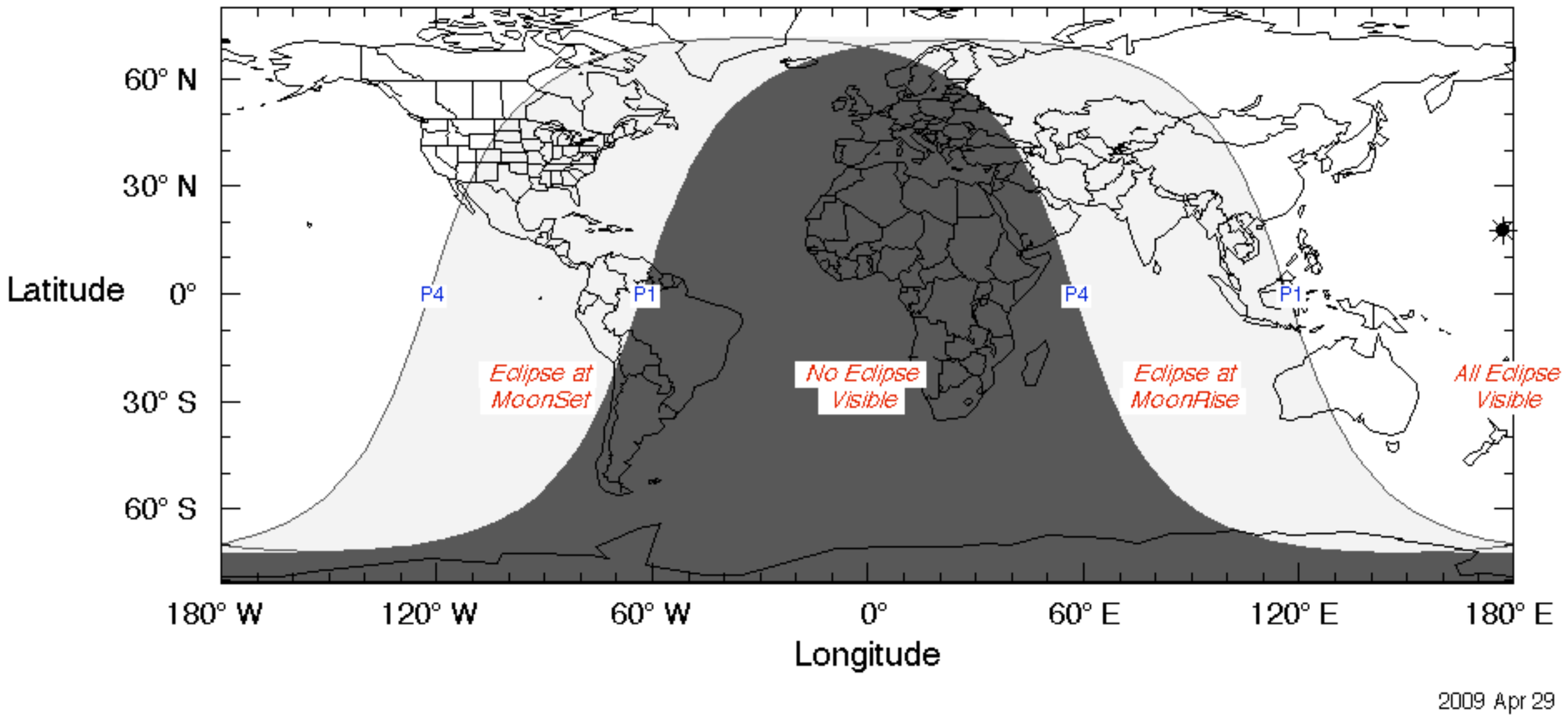
<u>Eclipse Contacts</u>

P1 = 10:20:46 UT
P4 = 14:28:00 UT

0 15 30 45 60
Arc-Minutes

ΔT = 105 s
Rule = CdT (Danjon)
Eph. = VSOP87/ELP2000-85

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




2009 Apr 29