Penumbral Lunar Eclipse of 1940 Apr 22

Ecliptic Conjunction = 04:37:18.0 TD (= 04:36:53.5 UT)
Greatest Eclipse = 04:26:25.3 TD (= 04:26:00.8 UT)

Penumbral Magnitude = 0.8683 P. Radius = 1.2883° Gamma = 1.0741
Umbral Magnitude = -0.0945 U. Radius = 0.7580° Axis = 1.0854°

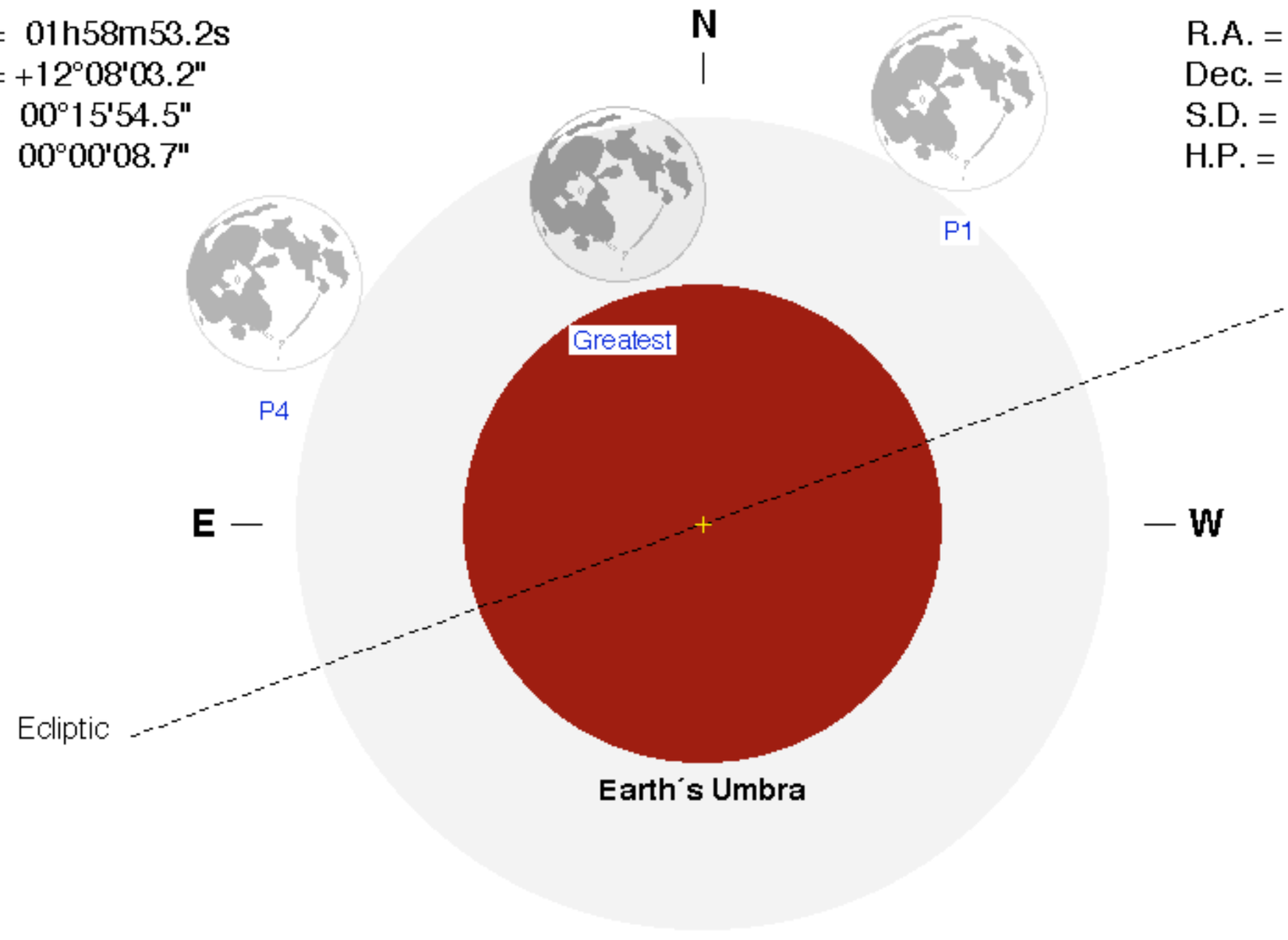
Saros Series = 140 Member = 21 of 80

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

R.A. = 01h58m53.2s
Dec. = +12°08'03.2"
S.D. = 00°15'54.5"
H.P. = 00°00'08.7"

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

R.A. = 14h00m00.4s
Dec. = -11°05'02.4"
S.D. = 00°16'31.3"
H.P. = 01°00'38.2"



<u>Eclipse Durations</u>

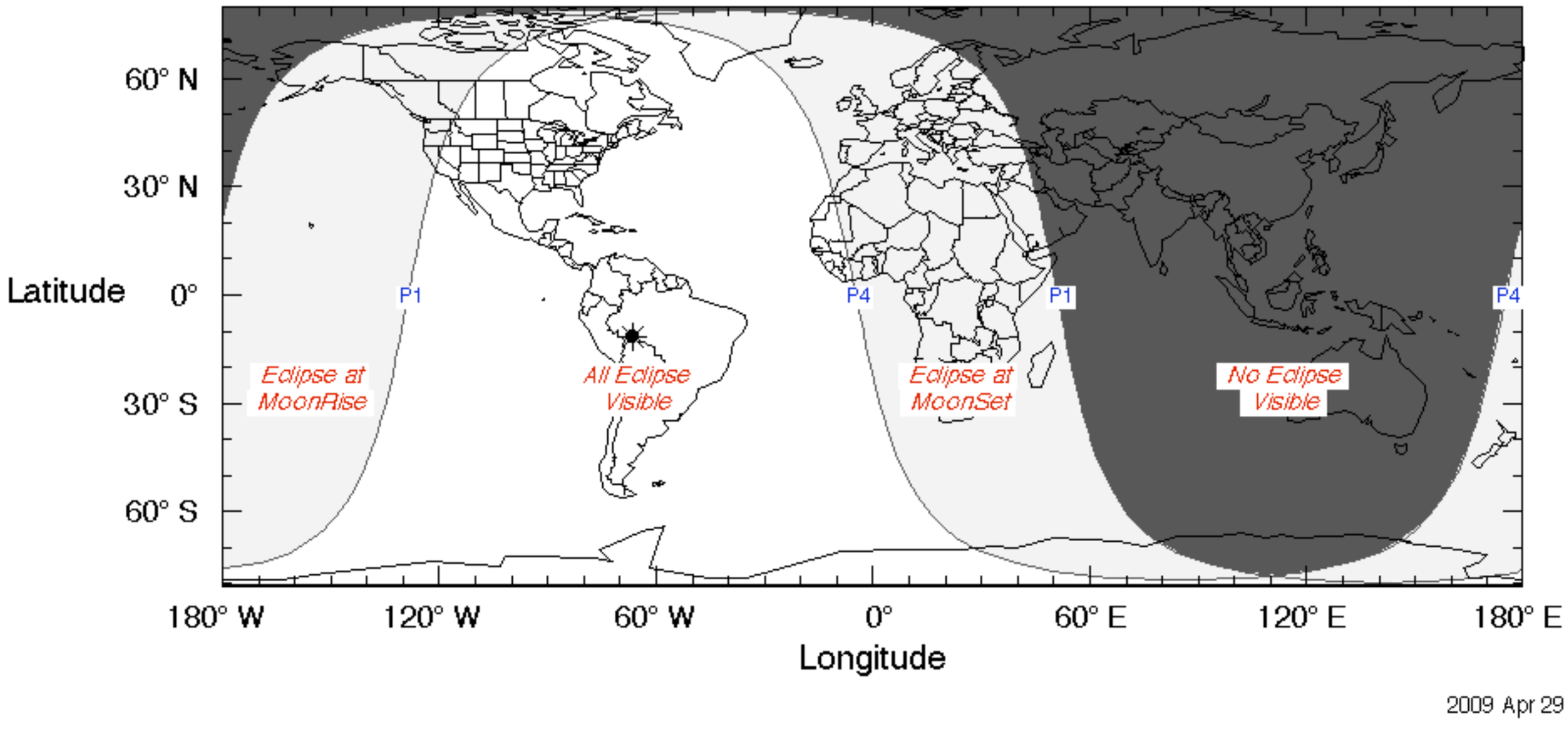
Penumbral = 03h52m31s

<u>Eclipse Contacts</u>

P1 = 02:29:43 UT
P4 = 06:22:14 UT

ΔT = 25 s
Rule = CdT (Danjon)
Eph. = VSOP87/ELP2000-85

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



2009 Apr 29