Penumbral Lunar Eclipse of 2027 Feb 20

Ecliptic Conjunction = 23:24:48.4 TD (= 23:23:32.7 UT)
Greatest Eclipse = 23:14:06.2 TD (= 23:12:50.5 UT)

Penumbral Magnitude = 0.9266 P. Radius = 1.2881° Gamma = -1.0480
Umbral Magnitude = -0.0569 U. Radius = 0.7489° Axis = 1.0542°

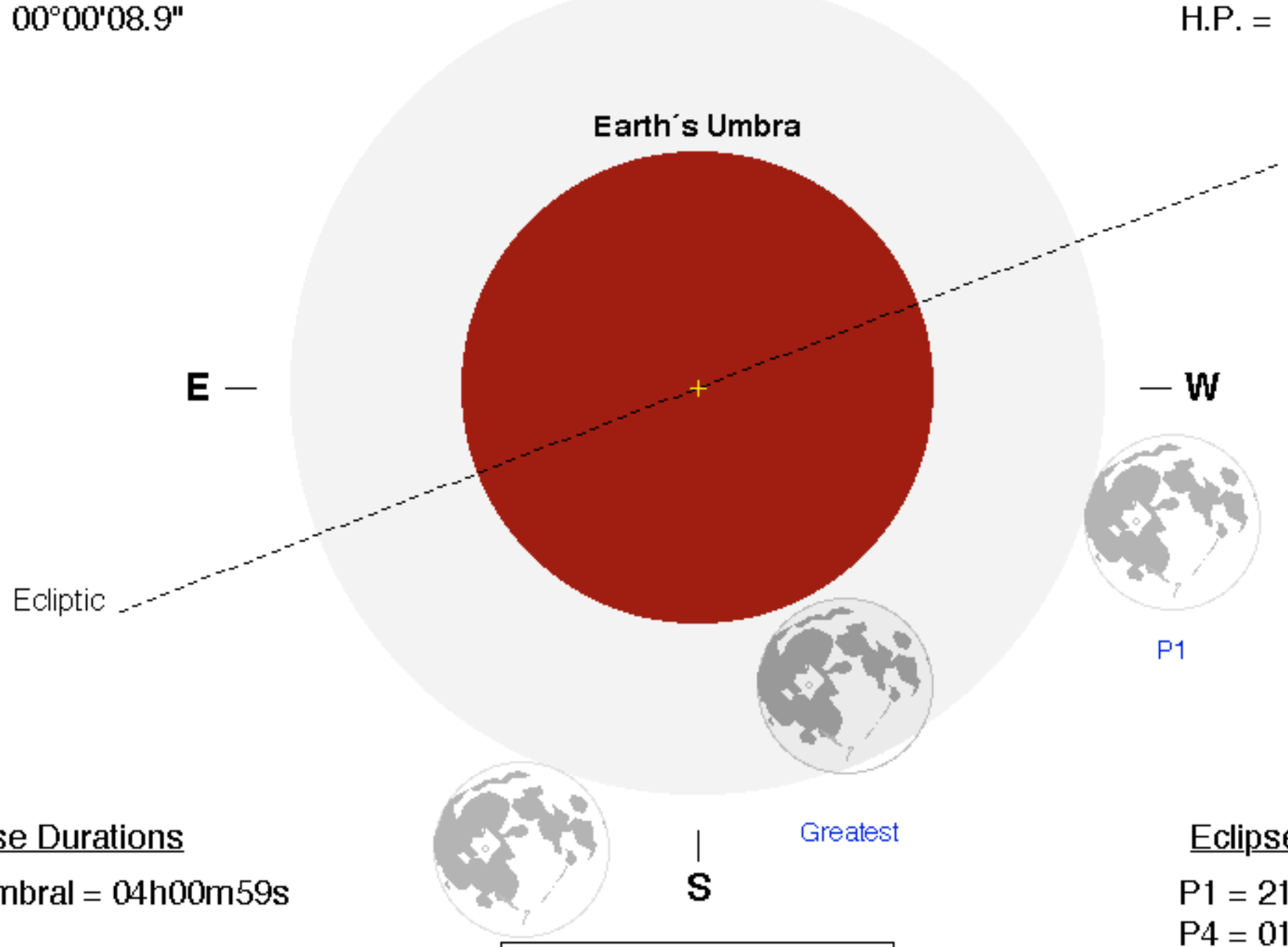
Saros Series = 143 Member = 19 of 73

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

R.A. = 22h16m18.3s
Dec. = -10°43'53.8"
S.D. = 00°16'10.5"
H.P. = 00°00'08.9"

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

R.A. = 10h14m23.8s
Dec. = +09°47'16.3"
S.D. = 00°16'26.8"
H.P. = 01°00'21.5"



<u>Eclipse Durations</u>

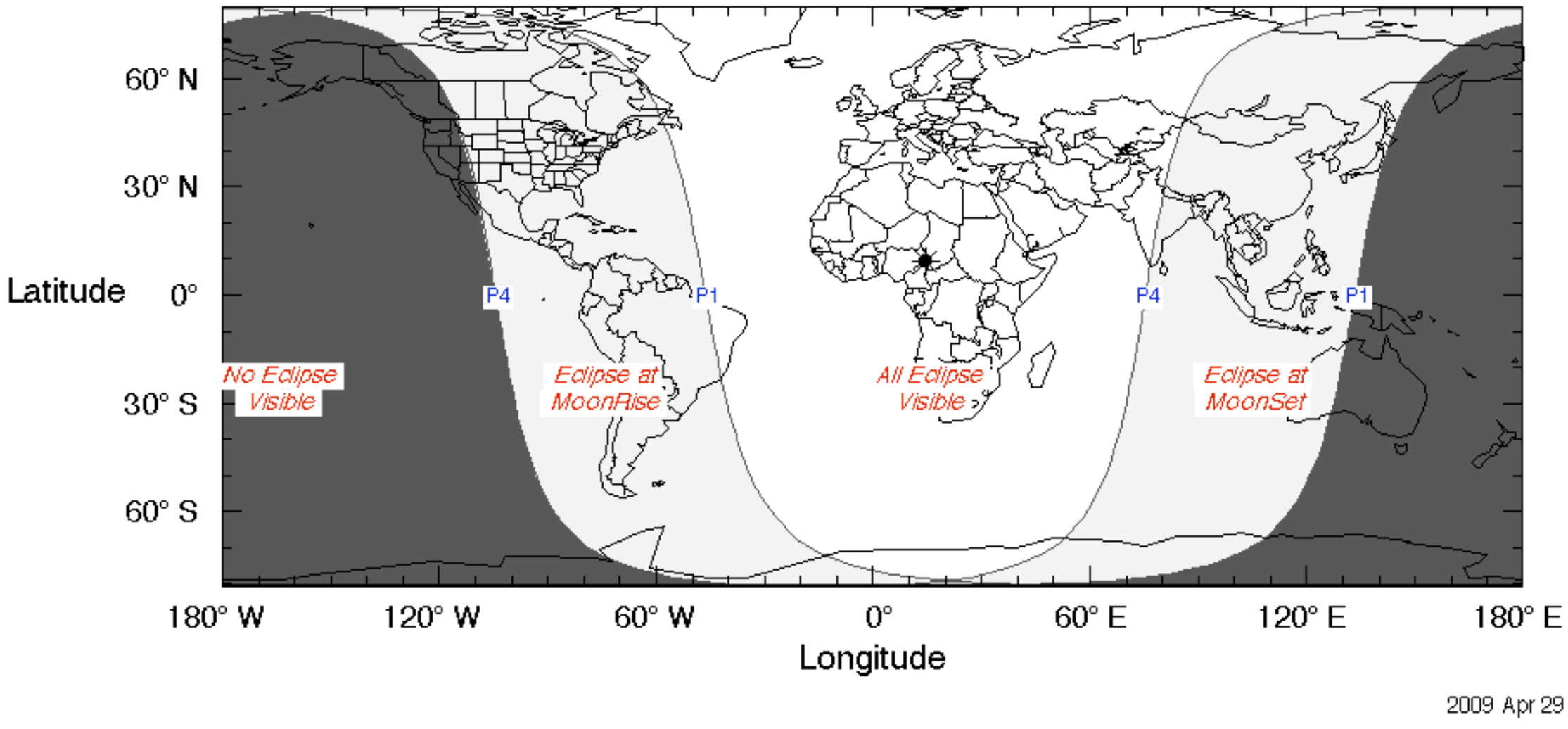
Penumbral = 04h00m59s

<u>Eclipse Contacts</u>

P1 = 21:12:20 UT
P4 = 01:13:19 UT

ΔT = 76 s
Rule = CdT (Danjon)
Eph. = VSOP87/ELP2000-85

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



2009 Apr 29