Penumbral Lunar Eclipse of 1922 Apr 11

Ecliptic Conjunction = 20:43:35.7 TD (= 20:43:13.0 UT)
Greatest Eclipse = 20:32:12.4 TD (= 20:31:49.7 UT)

Penumbral Magnitude = 0.7812 P. Radius = 1.2871° Gamma = 1.1228
Umbral Magnitude = -0.1863 U. Radius = 0.7553° Axis = 1.1325°

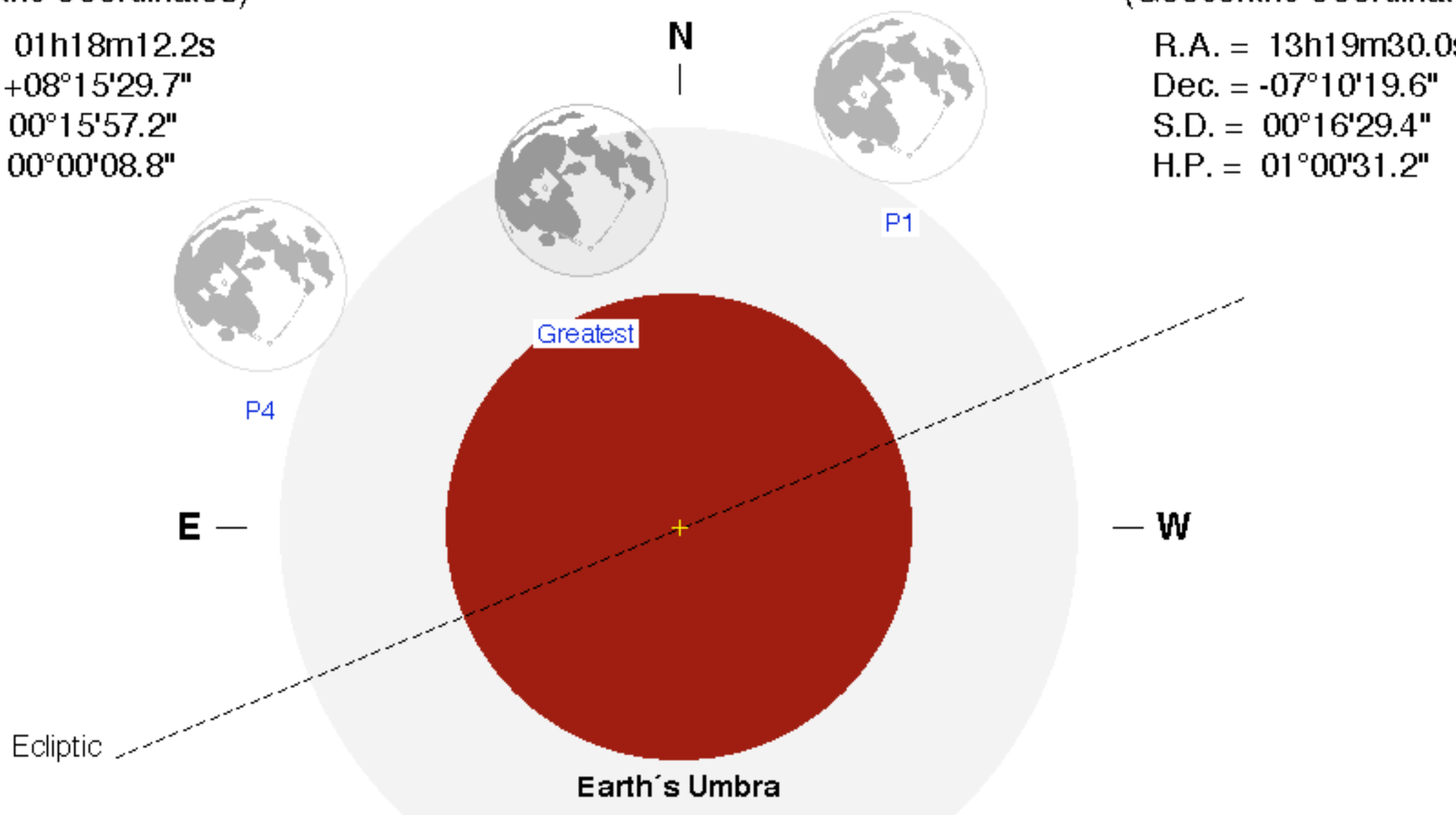
Saros Series = 140 Member = 20 of 80

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

R.A. = 01h18m12.2s
Dec. = +08°15'29.7"
S.D. = 00°15'57.2"
H.P. = 00°00'08.8"

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

R.A. = 13h19m30.0s
Dec. = -07°10'19.6"
S.D. = 00°16'29.4"
H.P. = 01°00'31.2"



<u>Eclipse Durations</u>

Penumbral = 03h43m11s

Earth´s Penumbra

S

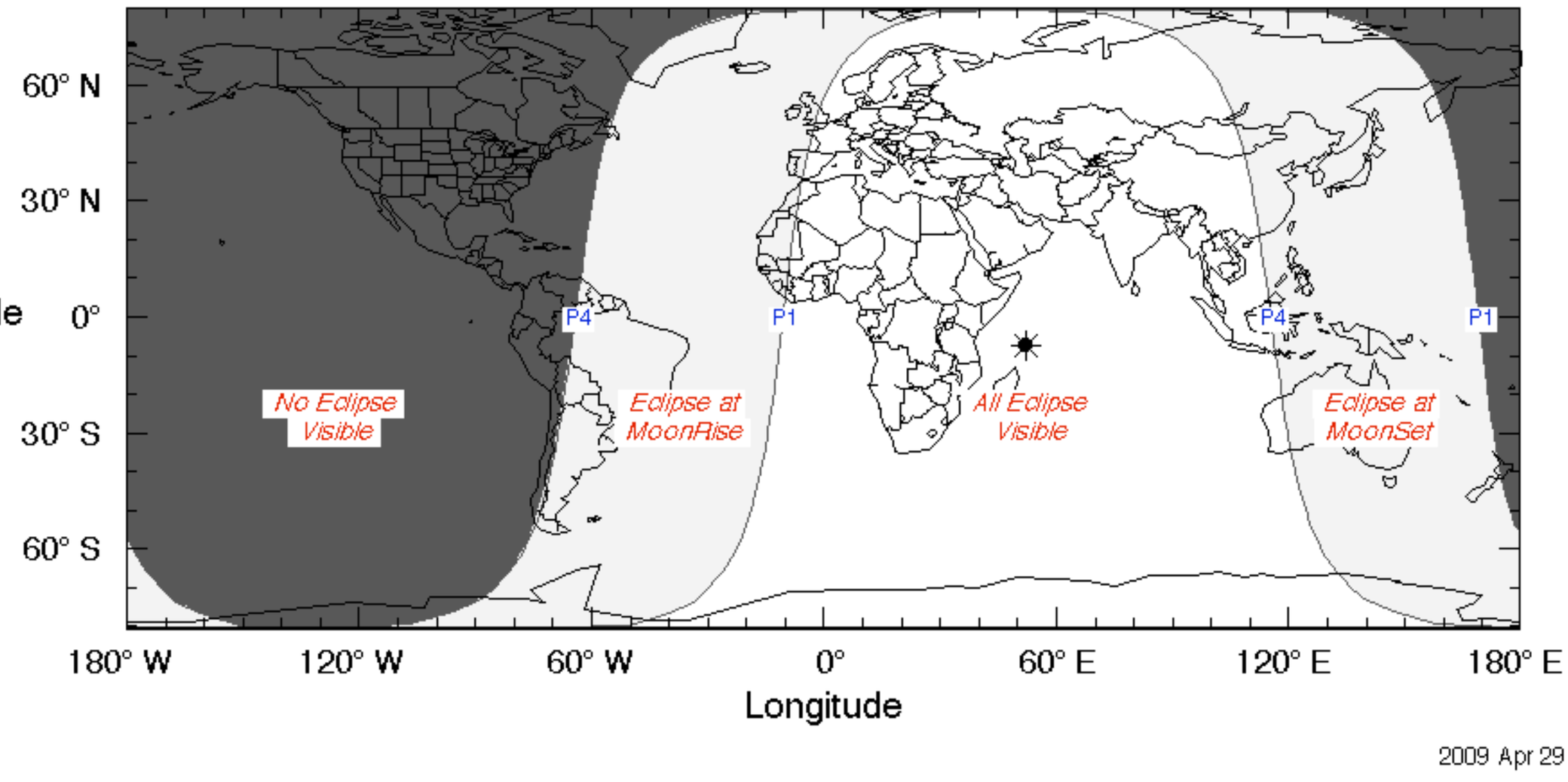
0 15 30 45 60
Arc-Minutes

<u>Eclipse Contacts</u>

P1 = 18:40:11 UT
P4 = 22:23:22 UT

ΔT = 23 s
Rule = CdT (Danjon)
Eph. = VSOP87/ELP2000-85

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



2009 Apr 29