Penumbral Lunar Eclipse of 2074 Feb 11

Ecliptic Conjunction = 21:07:14.8 TD (= 21:04:51.0 UT)
Greatest Eclipse = 20:55:57.5 TD (= 20:53:33.8 UT)

Penumbral Magnitude = 0.9191 P. Radius = 1.2576° Gamma = 1.0611
Umbral Magnitude = -0.0972 U. Radius = 0.7174° Axis = 1.0348°

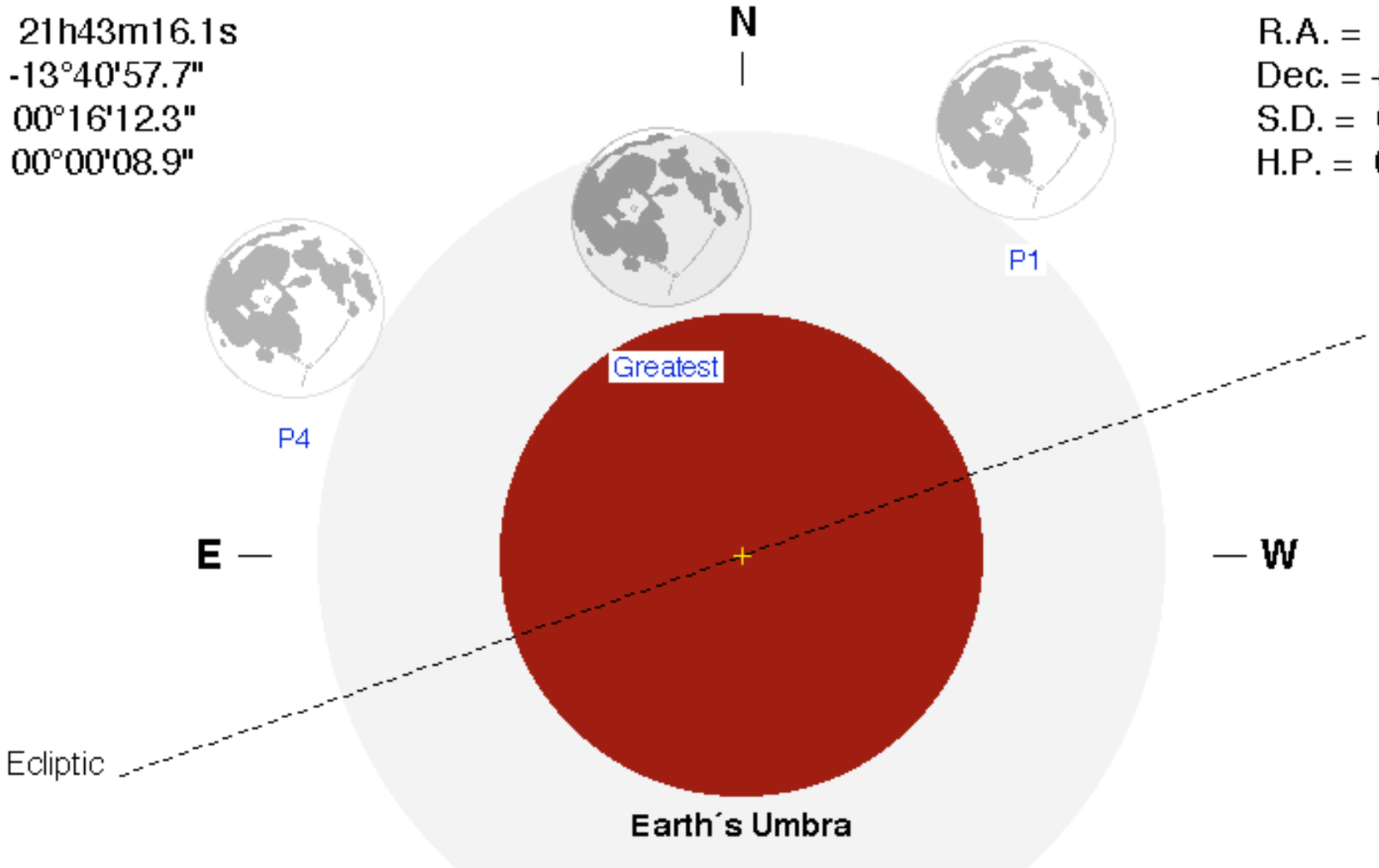
Saros Series = 144 Member = 19 of 71

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

R.A. = 21h43m16.1s
Dec. = -13°40'57.7"
S.D. = 00°16'12.3"
H.P. = 00°00'08.9"

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

R.A. = 09h44m16.6s
Dec. = +14°41'18.0"
S.D. = 00°15'56.7"
H.P. = 00°58'31.1"



<u>Eclipse Durations</u>

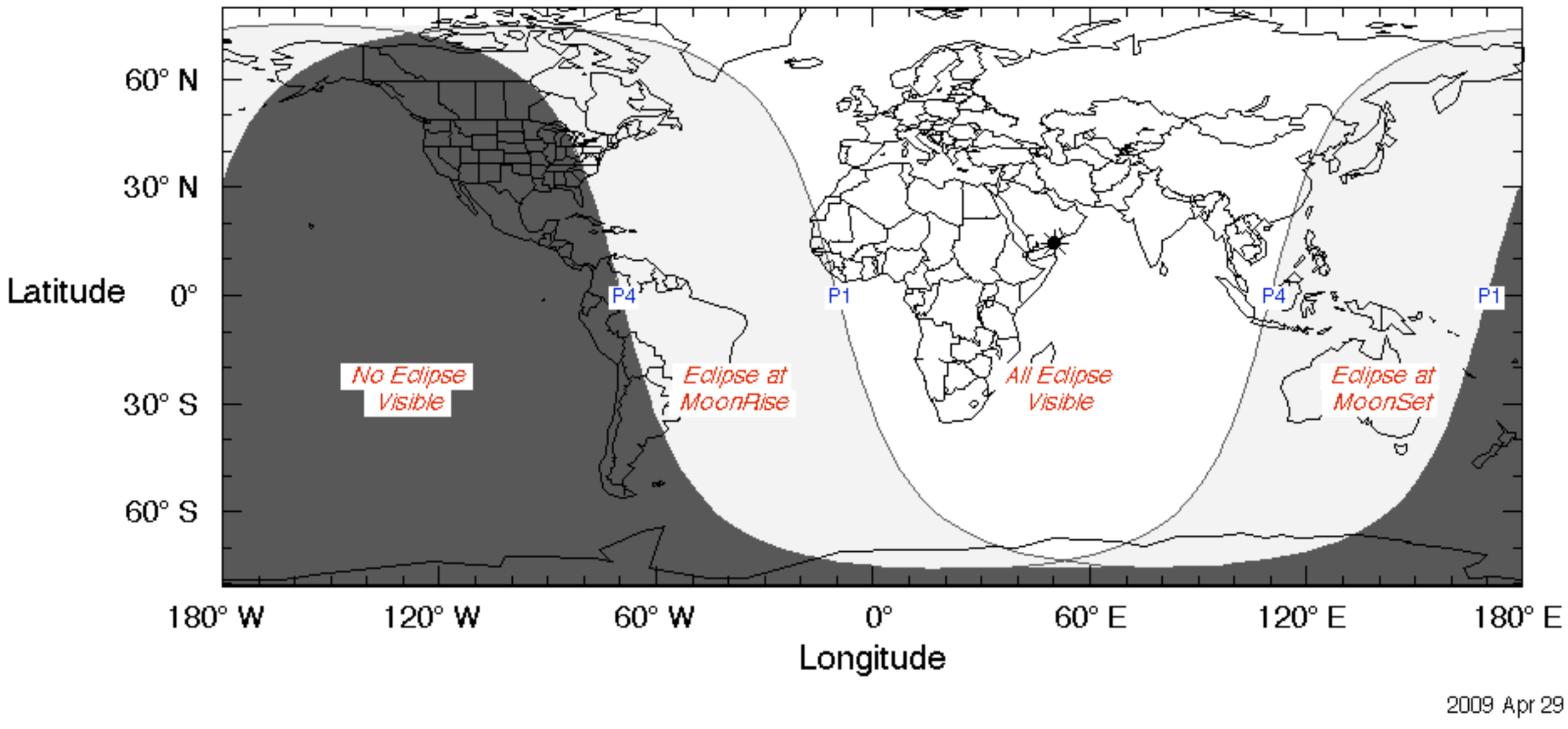
Penumbral = 04h09m30s

<u>Eclipse Contacts</u>

P1 = 18:48:51 UT
P4 = 22:58:21 UT

ΔT = 144 s
Rule = CdT (Danjon)
Eph. = VSOP87/ELP2000-85

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



2009 Apr 29