Penumbral Lunar Eclipse of 1947 Nov 28

Ecliptic Conjunction = 08:45:41.3 TD (= 08:45:13.1 UT)
Greatest Eclipse = 08:34:28.7 TD (= 08:34:00.5 UT)

Penumbral Magnitude = 0.8683 P. Radius = 1.2764° Gamma = 1.0838
Umbral Magnitude = -0.1297 U. Radius = 0.7359° Axis = 1.0769°

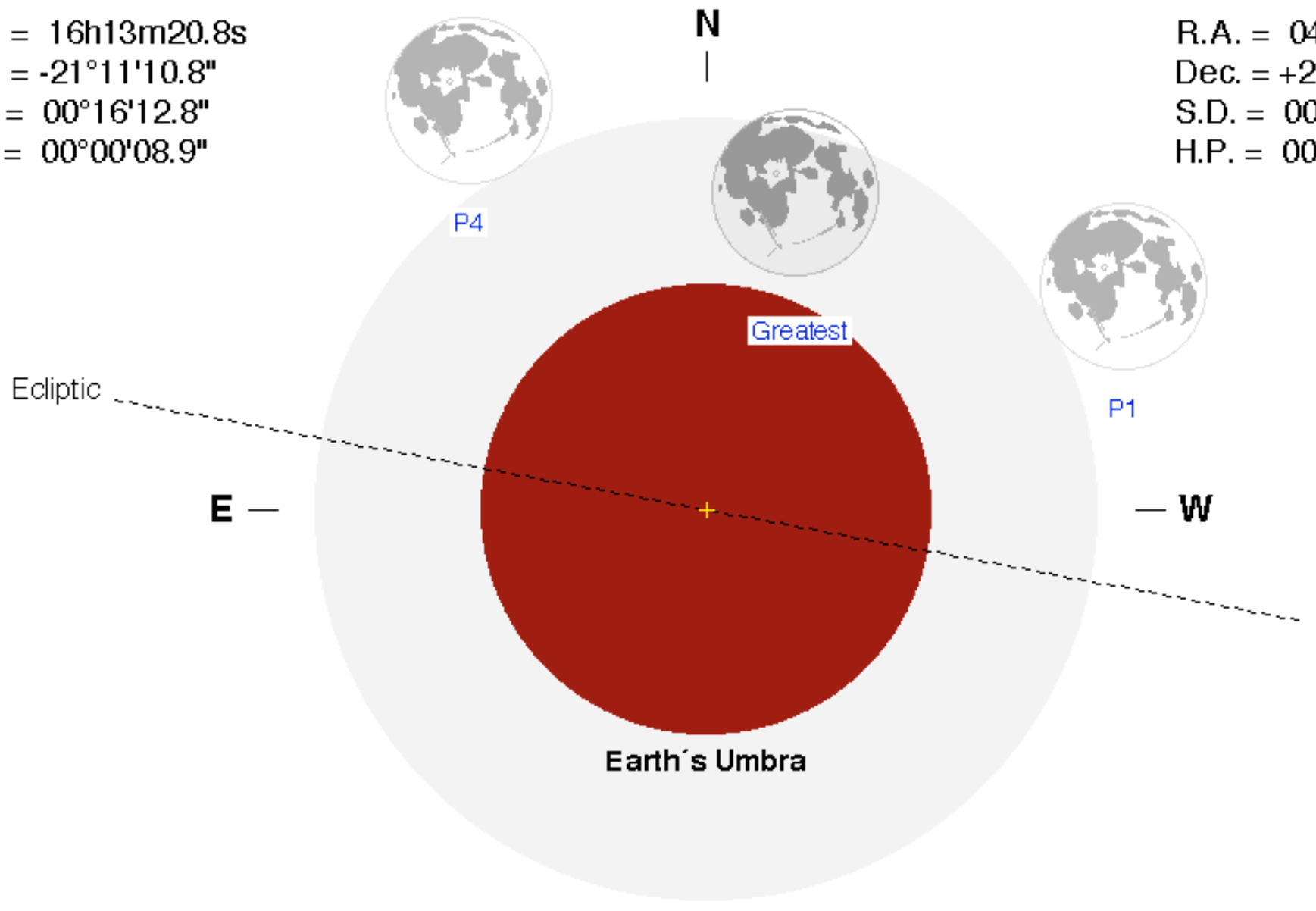
Saros Series = 144 Member = 12 of 71

Sun at Greatest Eclipse
(Geocentric Coordinates)

R.A. = 16h13m20.8s
Dec. = -21°11'10.8"
S.D. = 00°16'12.8"
H.P. = 00°00'08.9"

Moon at Greatest Eclipse
(Geocentric Coordinates)

R.A. = 04h12m04.6s
Dec. = +22°13'19.8"
S.D. = 00°16'14.8"
H.P. = 00°59'37.4"



Eclipse Durations

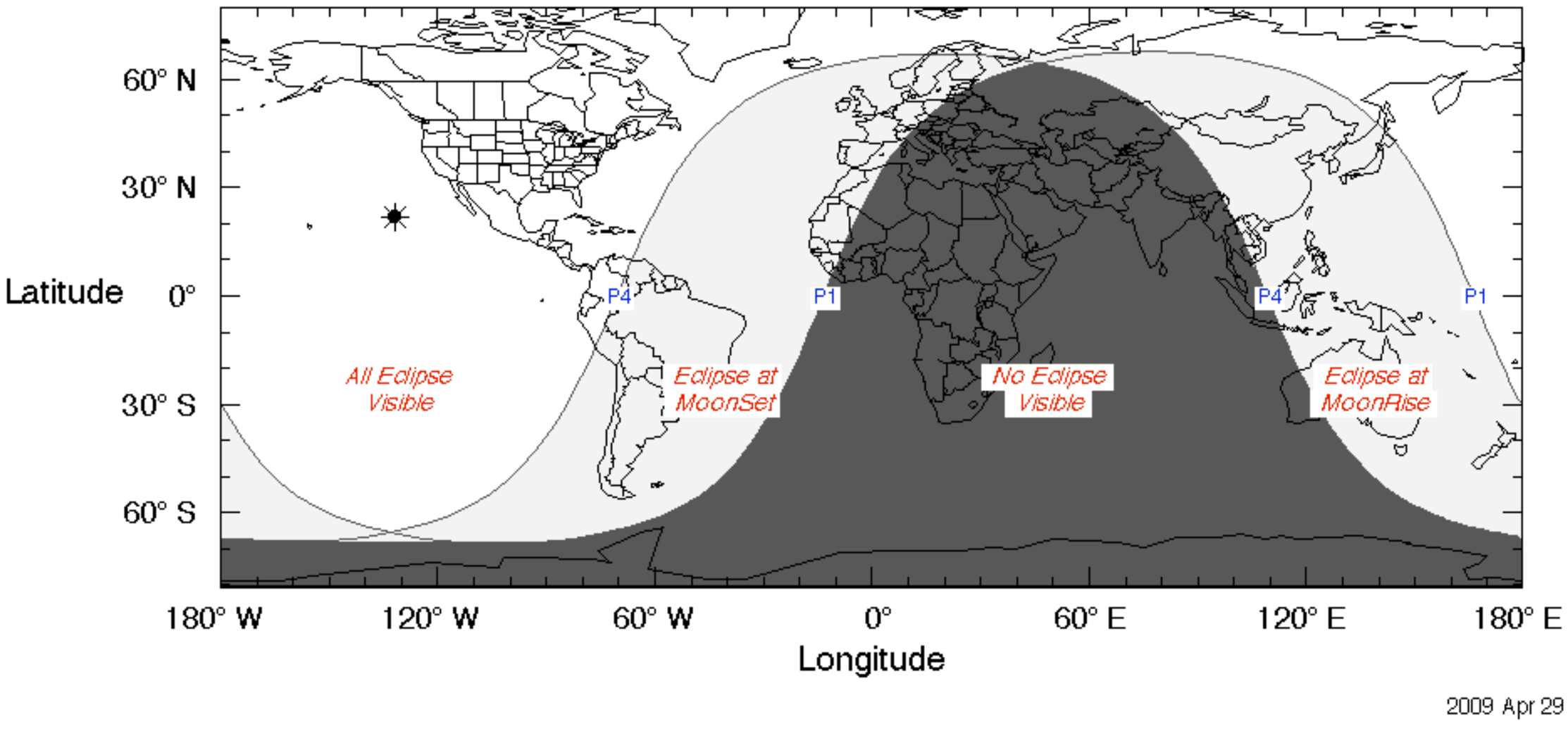
Penumbral = 03h58m19s

Eclipse Contacts

P1 = 06:34:54 UT
P4 = 10:33:14 UT

ΔT = 28 s
Rule = CdT (Danjon)
Eph. = VSOP87/ELP2000-85

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



2009 Apr 29