# Penumbral Lunar Eclipse of 1929 Nov 17

Ecliptic Conjunction = 00:14:29.4 TD ( = 00:14:05.2 UT )
Greatest Eclipse = 00:03:12.9 TD ( = 00:02:48.8 UT )

Penumbral Magnitude = 0.8460 P. Radius = 1.2782° Gamma = 1.0947
Umbral Magnitude = -0.1474 U. Radius = 0.7389° Axis = 1.0904°

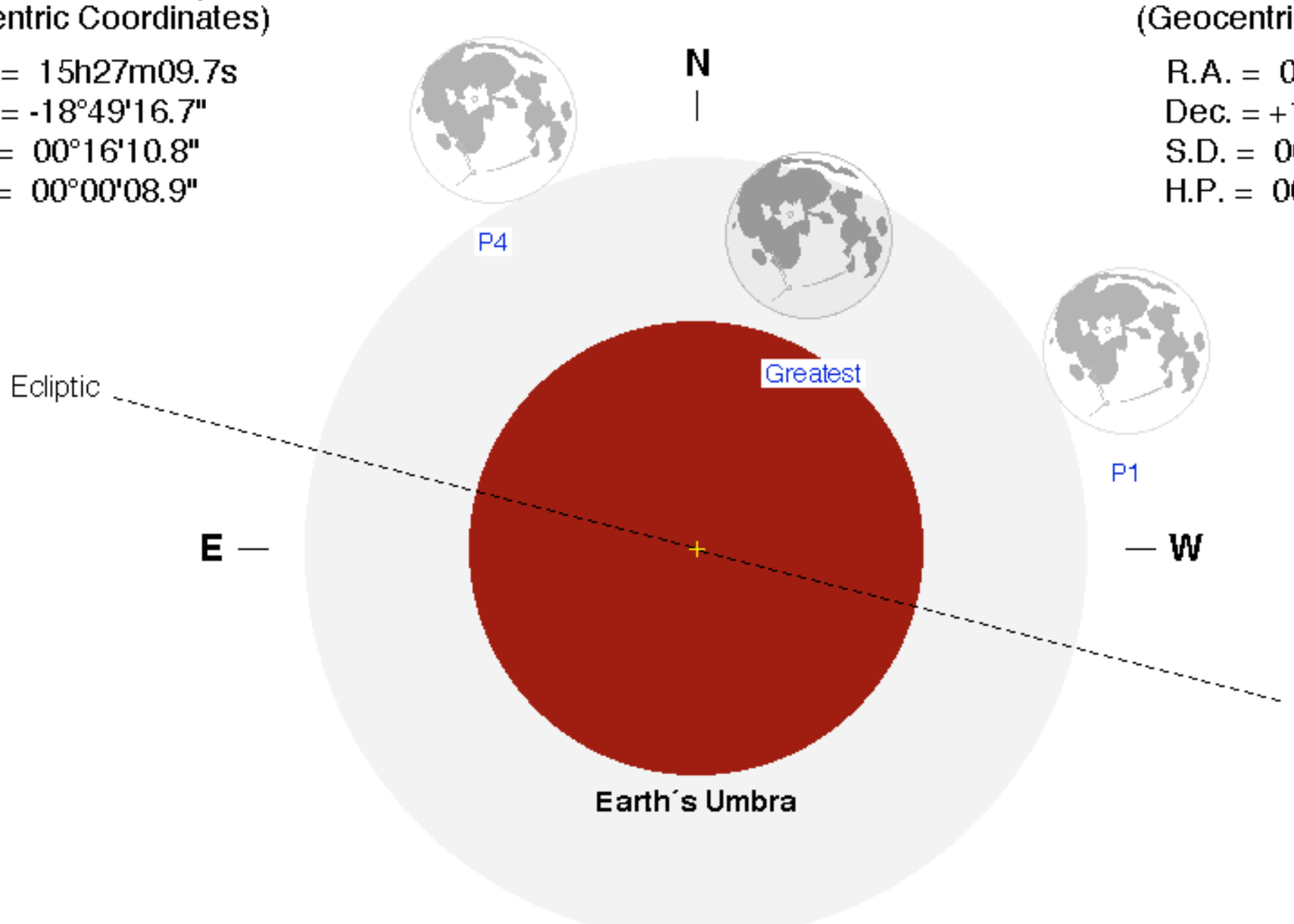
Saros Series = 144 Member = 11 of 71

**Sun at Greatest Eclipse**
(Geocentric Coordinates)

R.A. = 15h27m09.7s
Dec. = -18°49'16.7"
S.D. = 00°16'10.8"
H.P. = 00°00'08.9"

**Moon at Greatest Eclipse**
(Geocentric Coordinates)

R.A. = 03h25m35.5s
Dec. = +19°50'49.0"
S.D. = 00°16'17.1"
H.P. = 00°59'46.1"




**Eclipse Durations**

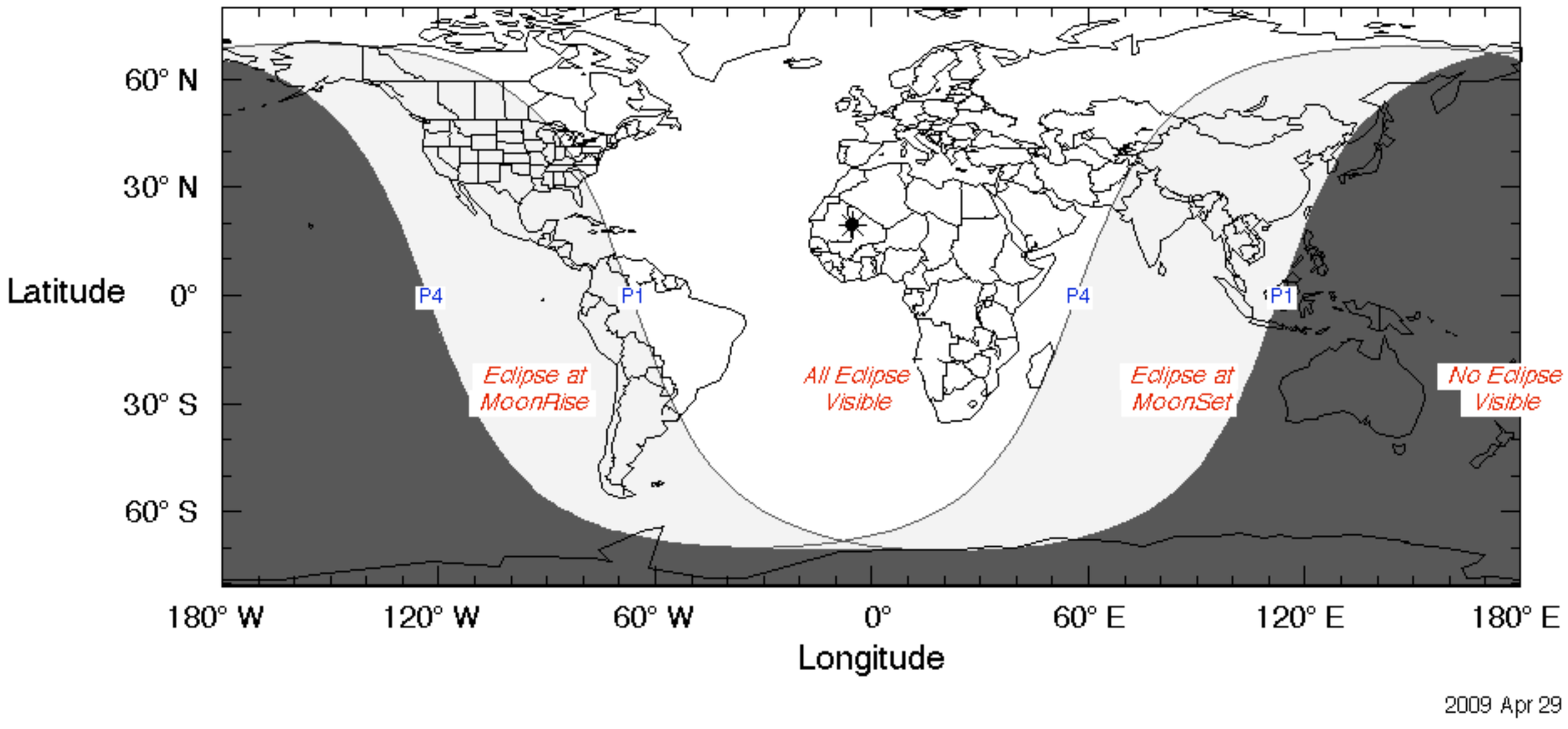
Penumbral = 03h54m59s

**Eclipse Contacts**

P1 = 22:05:23 UT
P4 = 02:00:22 UT

ΔT = 24 s
Rule = CdT (Danjon)
Eph. = VSOP87/ELP2000-85

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




2009 Apr 29