Penumbral Lunar Eclipse of 2071 Mar 16

Ecliptic Conjunction = 01:19:46.1 TD (= 01:17:28.7 UT)
Greatest Eclipse = 01:31:09.4 TD (= 01:28:52.0 UT)

Penumbral Magnitude = 0.8879 P. Radius = 1.2570° Gamma = -1.0756
Umbral Magnitude = -0.1194 U. Radius = 0.7209° Axis = 1.0506°

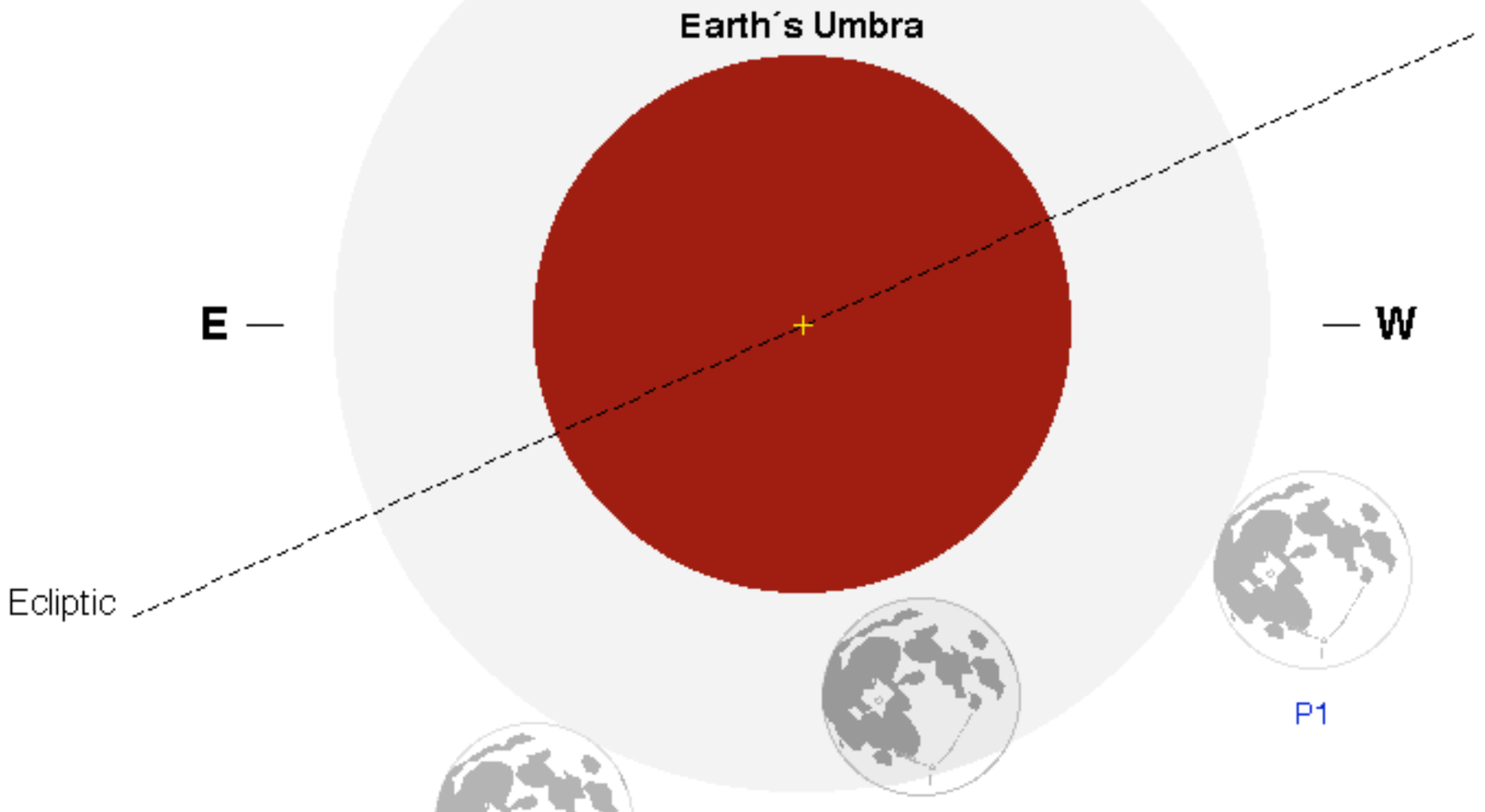
Saros Series = 114 Member = 62 of 71

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

R.A. = 23h43m41.9s
Dec. = -01°45'49.8"
S.D. = 00°16'05.1"
H.P. = 00°00'08.8"

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

R.A. = 11h42m24.9s
Dec. = +00°45'48.5"
S.D. = 00°15'58.1"
H.P. = 00°58'36.2"



<u>Eclipse Durations</u>

Penumbral = 04h05m07s

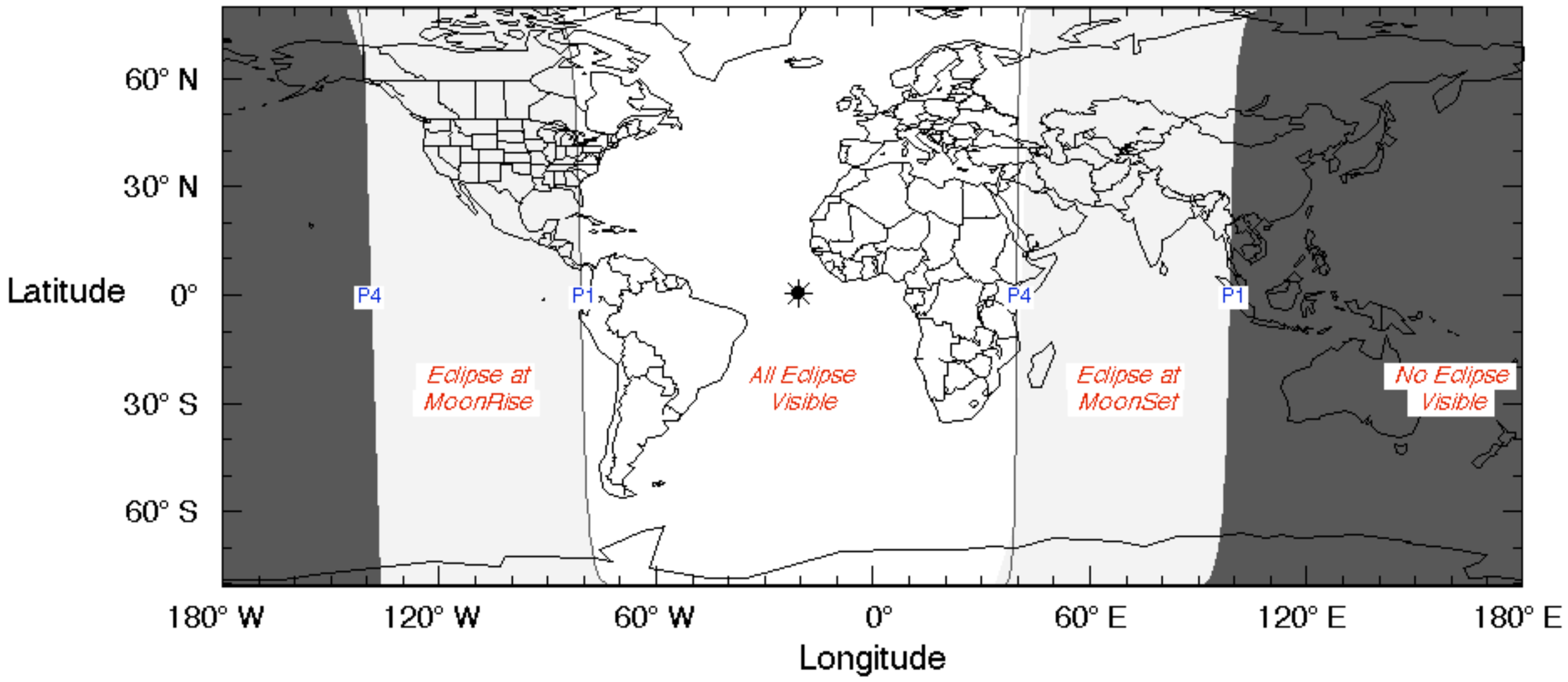
<u>Eclipse Contacts</u>

P1 = 23:26:16 UT
P4 = 03:31:23 UT

0 15 30 45 60
Arc-Minutes

ΔT = 137 s
Rule = CdT (Danjon)
Eph. = VSOP87/ELP2000-85

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



2009 Apr 29