Penumbral Lunar Eclipse of 1936 Dec 28

Ecliptic Conjunction = 04:00:30.5 TD (= 04:00:06.6 UT)
Greatest Eclipse = 03:49:08.8 TD (= 03:48:44.9 UT)

Penumbral Magnitude = 0.8451 P. Radius = 1.2784° Gamma = -1.0970
Umbral Magnitude = -0.1550 U. Radius = 0.7362° Axis = 1.0913°

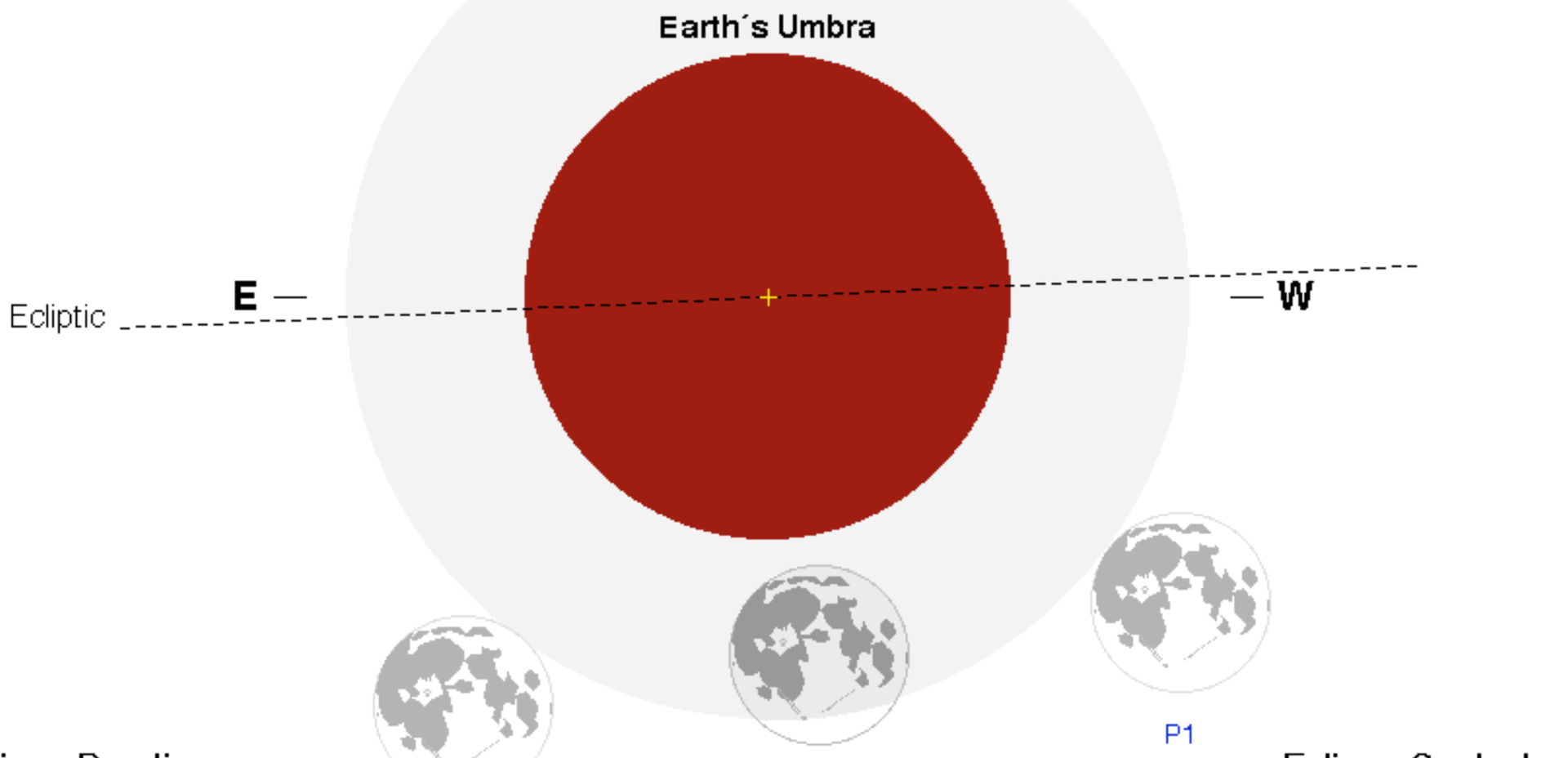
Saros Series = 143 Member = 14 of 73

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

R.A. = 18h27m15.2s
Dec. = -23°17'57.2"
S.D. = 00°16'16.0"
H.P. = 00°00'08.9"

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

R.A. = 06h26m34.6s
Dec. = +22°13'08.6"
S.D. = 00°16'15.9"
H.P. = 00°59'41.6"

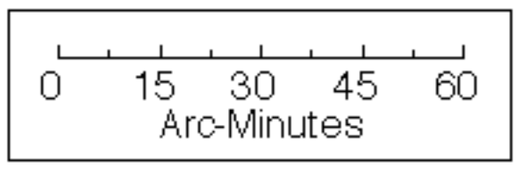


<u>Eclipse Durations</u>

Penumbral = 03h55m31s

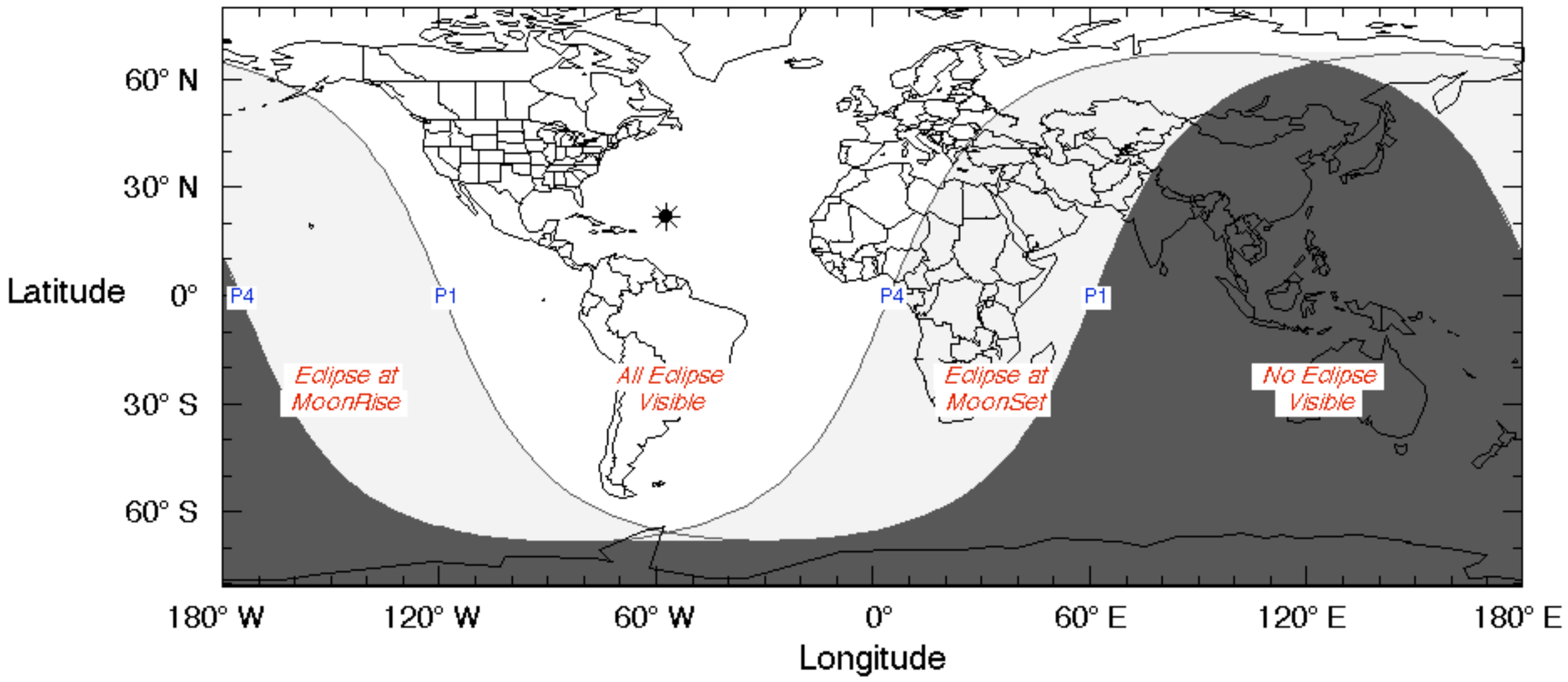
<u>Eclipse Contacts</u>

P1 = 01:50:57 UT
P4 = 05:46:28 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