Penumbral Lunar Eclipse of 2023 May 05

Ecliptic Conjunction = 17:35:12.7 TD (= 17:33:59.2 UT)
Greatest Eclipse = 17:24:05.1 TD (= 17:22:51.7 UT)

Penumbral Magnitude = 0.9636 P. Radius = 1.2375° Gamma = -1.0349
Umbral Magnitude = -0.0457 U. Radius = 0.7089° Axis = 0.9947°

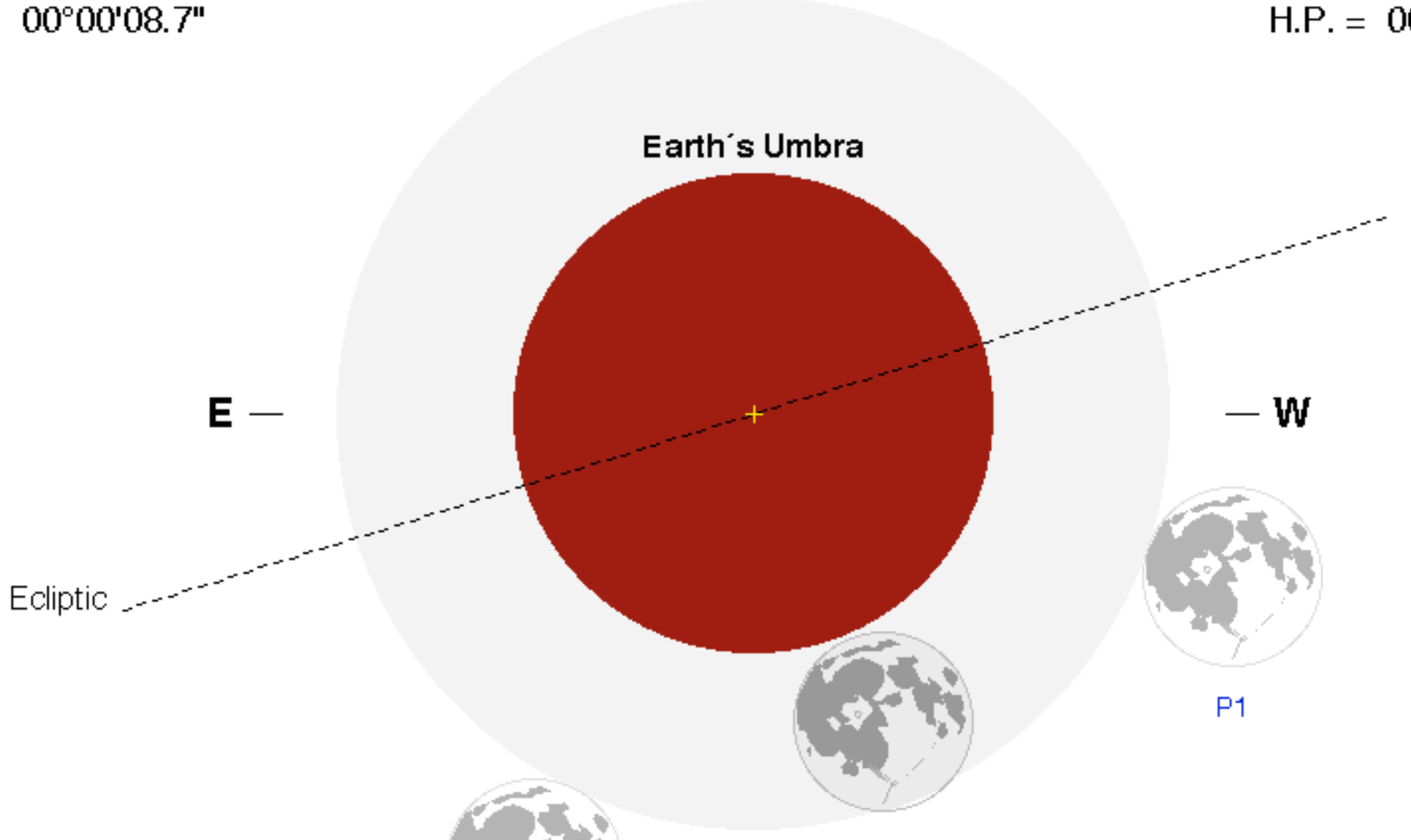
Saros Series = 141 Member = 24 of 73

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

R.A. = 02h49m59.7s
Dec. = +16°19'27.9"
S.D. = 00°15'51.6"
H.P. = 00°00'08.7"

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

R.A. = 14h48m23.5s
Dec. = -17°14'31.9"
S.D. = 00°15'42.8"
H.P. = 00°57'40.1"



<u>Eclipse Durations</u>

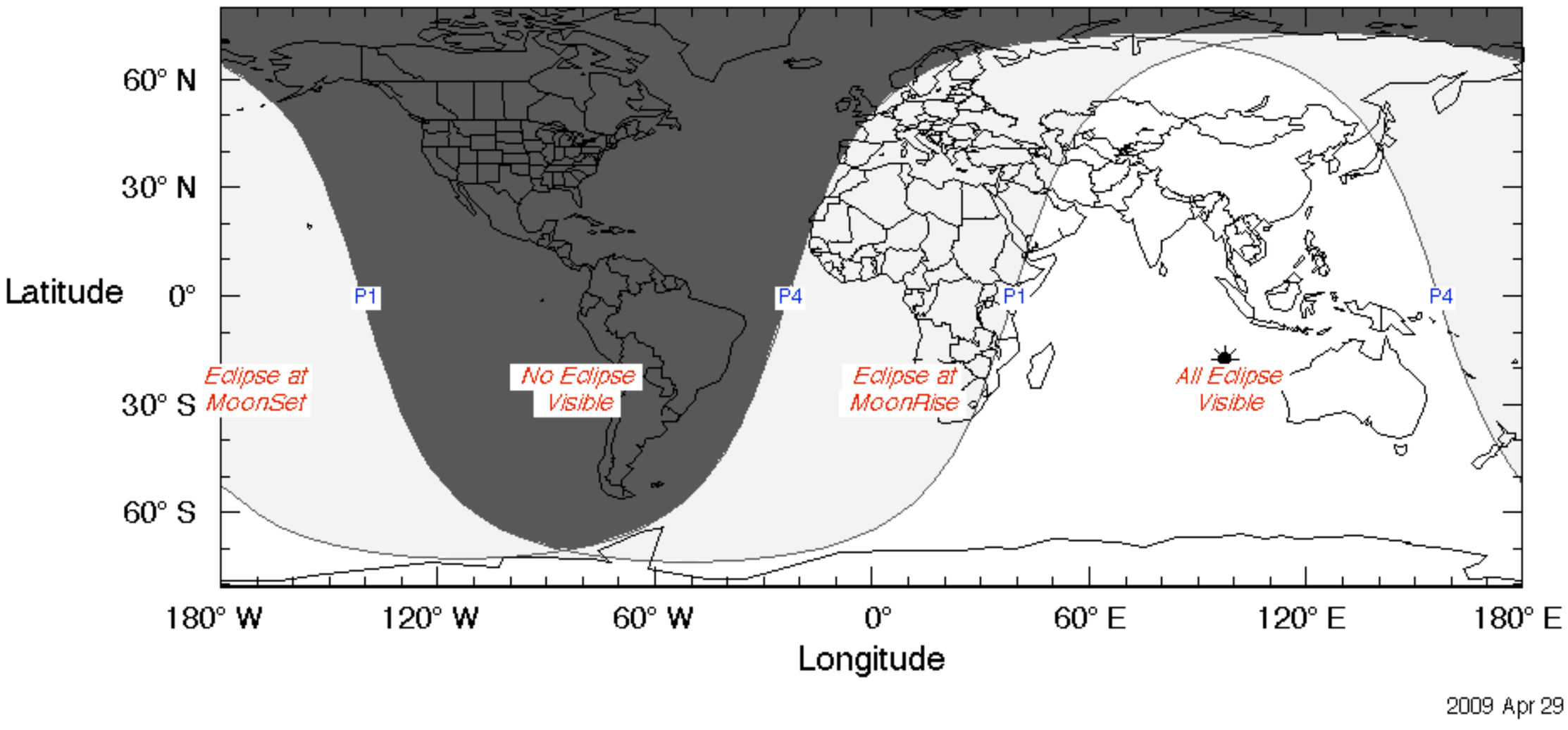
Penumbral = 04h17m31s

<u>Eclipse Contacts</u>

P1 = 15:14:10 UT
P4 = 19:31:41 UT

ΔT = 73 s
Rule = CdT (Danjon)
Eph. = VSOP87/ELP2000-85

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



2009 Apr 29