Partial Lunar Eclipse of 2088 May 05

Ecliptic Conjunction = 16:27:48.3 TD (= 16:24:52.8 UT)
Greatest Eclipse = 16:16:49.9 TD (= 16:13:54.4 UT)

Penumbral Magnitude = 1.1695 P. Radius = 1.1844° Gamma = 0.9387
Umbral Magnitude = 0.1019 U. Radius = 0.6558° Axis = 0.8529°

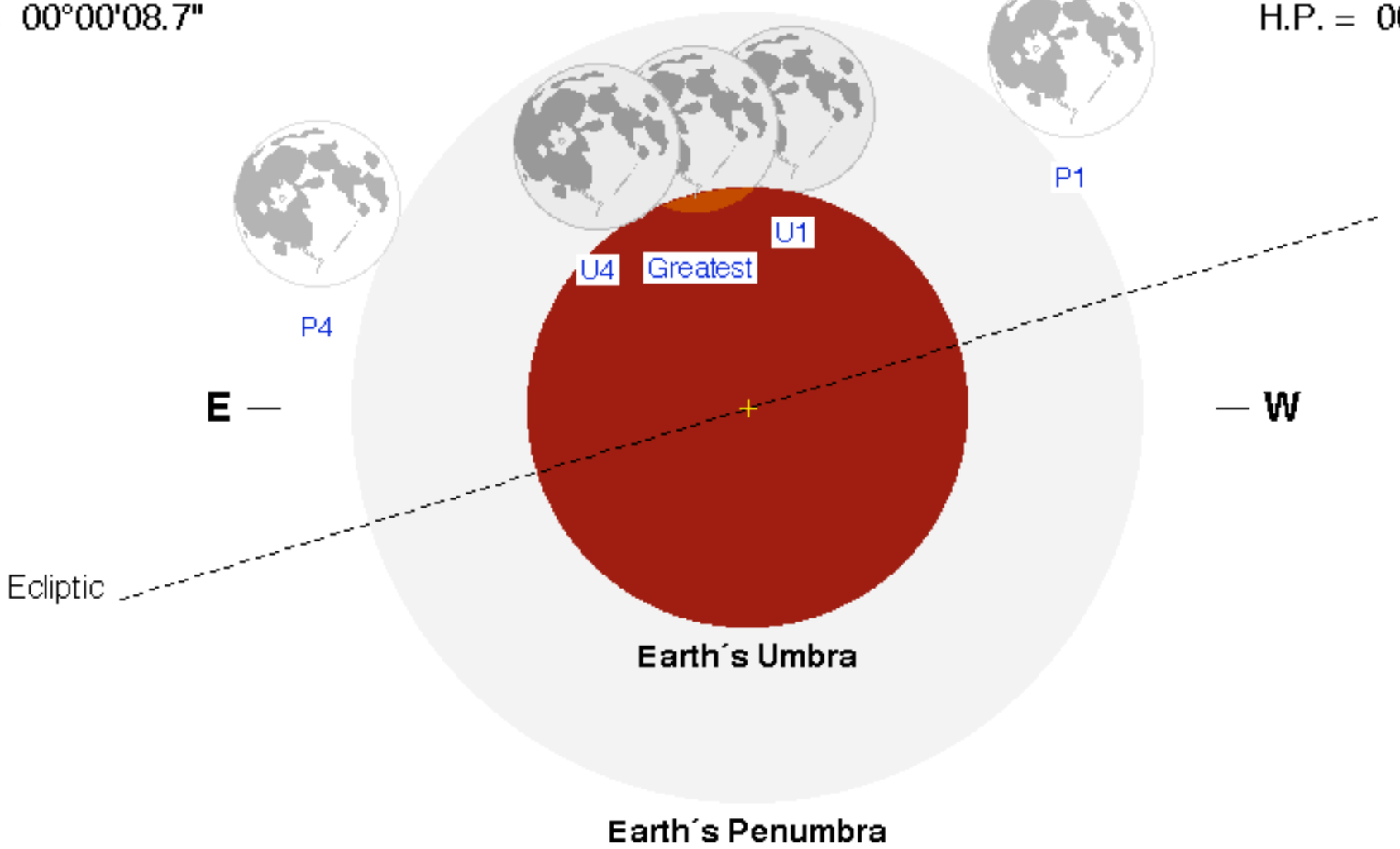
Saros Series = 142 Member = 22 of 74

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

R.A. = 02h54m46.1s
Dec. = +16°39'44.0"
S.D. = 00°15'51.5"
H.P. = 00°00'08.7"

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

R.A. = 14h55m26.8s
Dec. = -15°49'30.0"
S.D. = 00°14'51.3"
H.P. = 00°54'30.9"



<u>Eclipse Durations</u>

Penumbral = 04h57m54s
Umbral = 01h17m07s

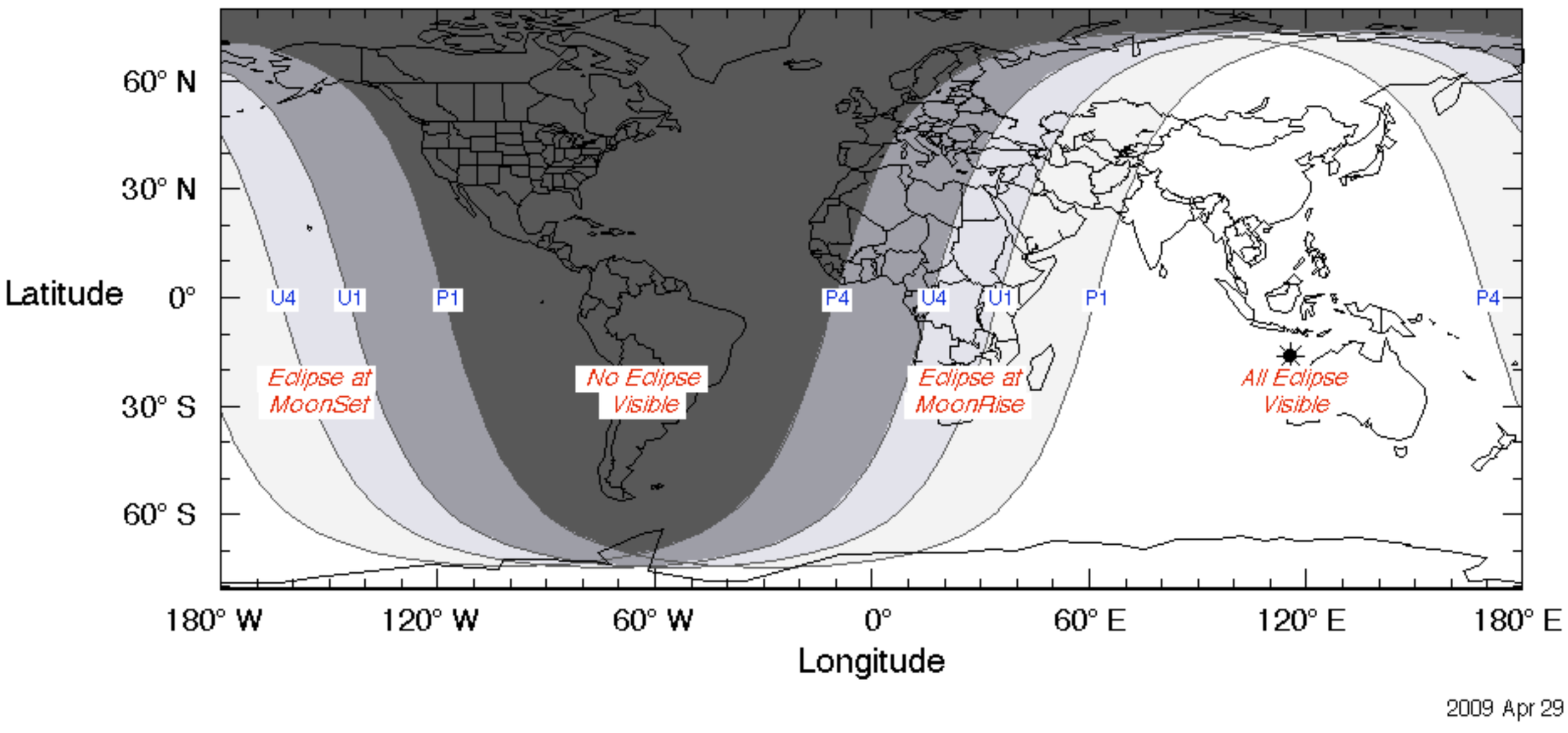
<u>Eclipse Contacts</u>

P1 = 13:44:56 UT
U1 = 15:35:17 UT
U4 = 16:52:24 UT
P4 = 18:42:50 UT

ΔT = 175 s
Rule = CdT (Danjon)
Eph. = VSOP87/ELP2000-85

0 15 30 45 60
Arc-Minutes

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



2009 Apr 29