Total Lunar Eclipse of 1972 Jan 30

Ecliptic Conjunction = 10:58:53.6 TD (= 10:58:11.3 UT)
Greatest Eclipse = 10:54:05.2 TD (= 10:53:22.9 UT)

Penumbral Magnitude = 2.0987 P. Radius = 1.2294° Gamma = -0.4273
Umbral Magnitude = 1.0497 U. Radius = 0.6882° Axis = 0.4045°

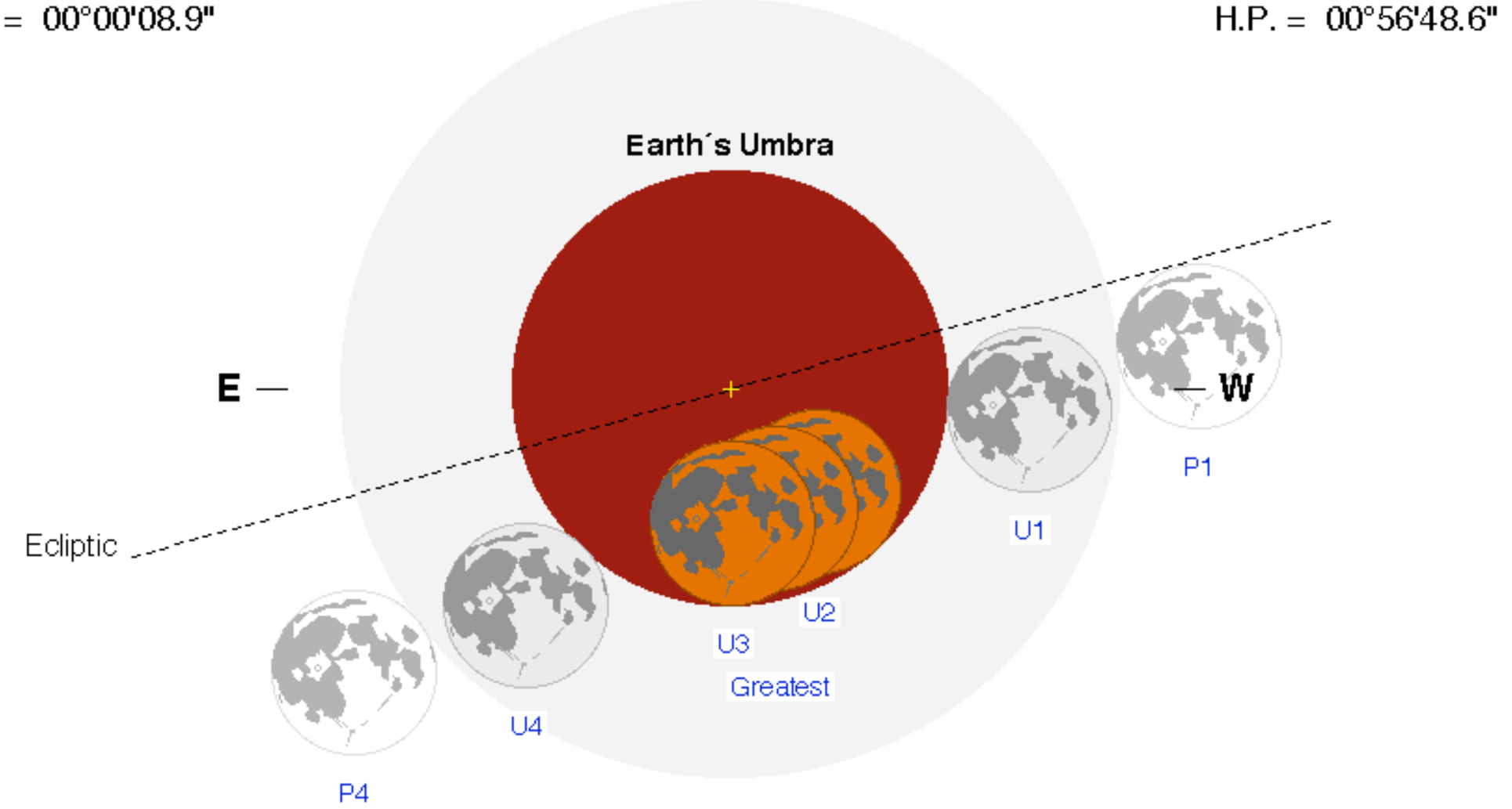
Saros Series = 133 Member = 24 of 71

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

R.A. = 20h48m23.2s
Dec. = -17°50'13.7"
S.D. = 00°16'14.2"
H.P. = 00°00'08.9"

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

R.A. = 08h47m46.4s
Dec. = +17°27'35.5"
S.D. = 00°15'28.8"
H.P. = 00°56'48.6"



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

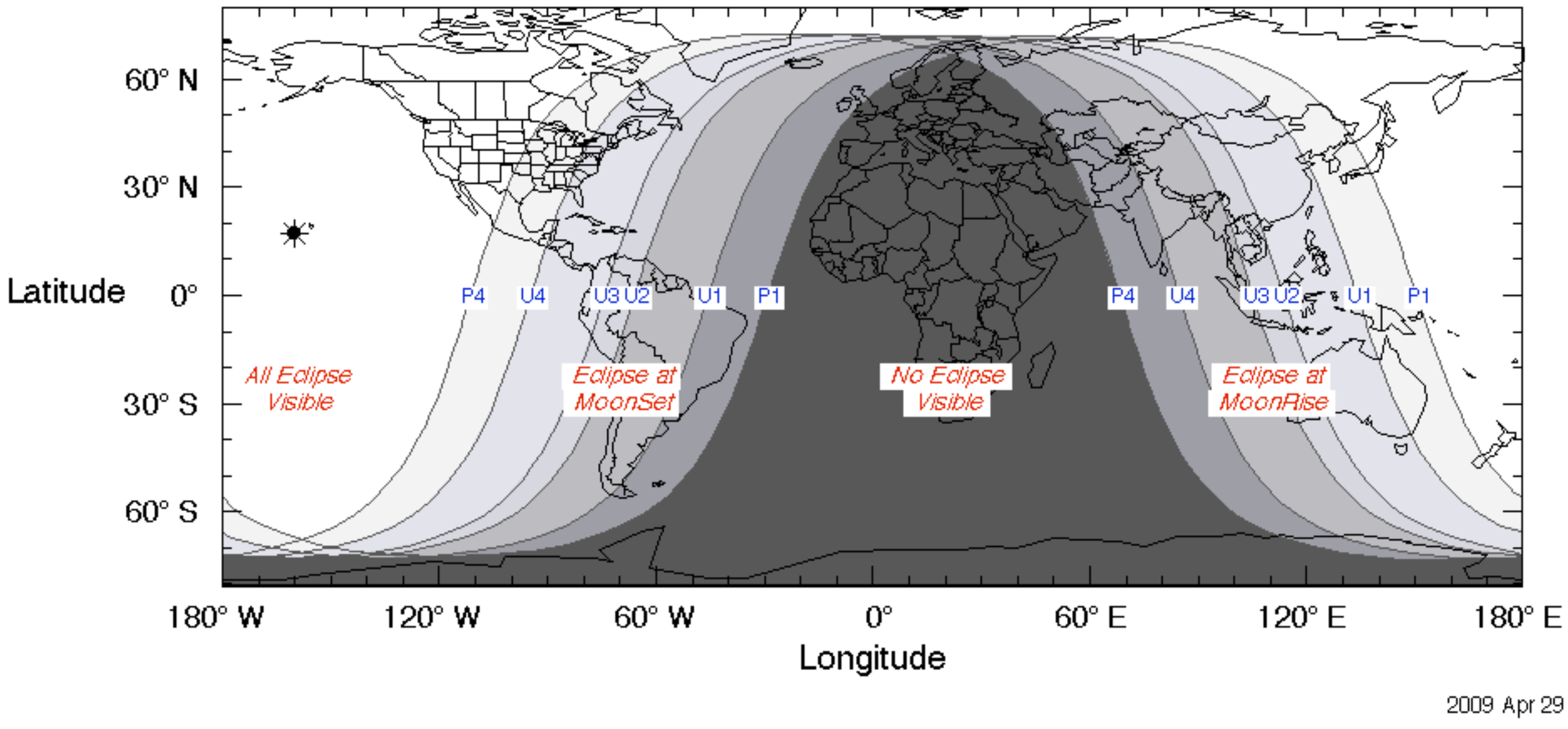
<u>Eclipse Durations</u>

Penumbral = 05h40m19s
Umbral = 03h23m23s
Total = 00h34m48s

ΔT = 42 s
Rule = CdT (Danjon)
Eph. = VSOP87/ELP2000-85

<u>Eclipse Contacts</u>

P1 = 08:03:16 UT
U1 = 09:11:39 UT
U2 = 10:35:57 UT
U3 = 11:10:45 UT
U4 = 12:35:03 UT
P4 = 13:43:35 UT



2009 Apr 29