Total Lunar Eclipse of 2047 Jan 12

Ecliptic Conjunction = 01:22:35.8 TD (= 01:21:05.5 UT)
Greatest Eclipse = 01:26:14.4 TD (= 01:24:44.0 UT)

Penumbral Magnitude = 2.2649 P. Radius = 1.2483° Gamma = 0.3317
Umbral Magnitude = 1.2341 U. Radius = 0.7061° Axis = 0.3201°

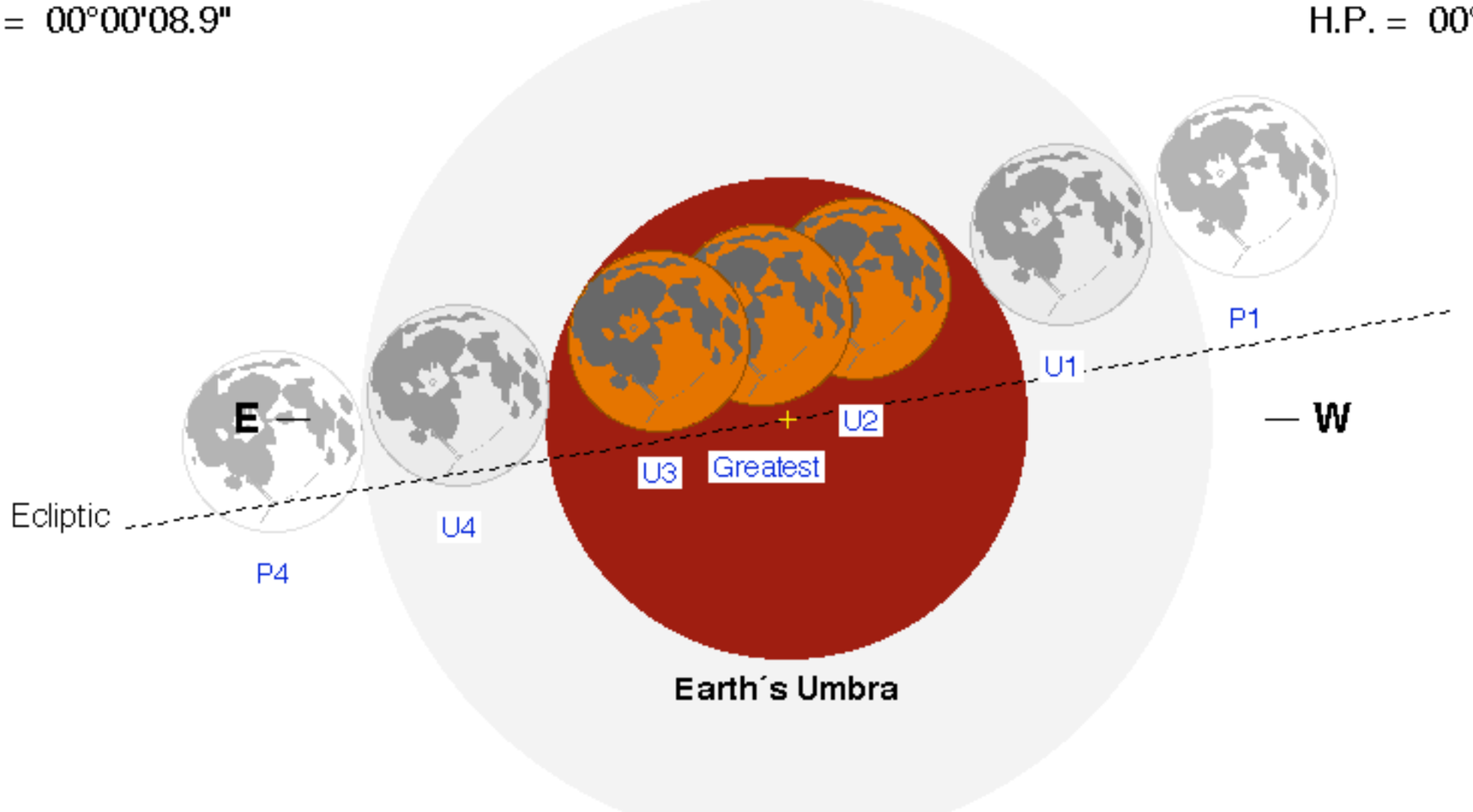
Saros Series = 125 Member = 50 of 72

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

R.A. = 19h33m57.0s
Dec. = -21°40'46.3"
S.D. = 00°16'15.8"
H.P. = 00°00'08.9"

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

R.A. = 07h34m18.1s
Dec. = +21°59'20.2"
S.D. = 00°15'46.6"
H.P. = 00°57'54.2"



<u>Eclipse Durations</u>

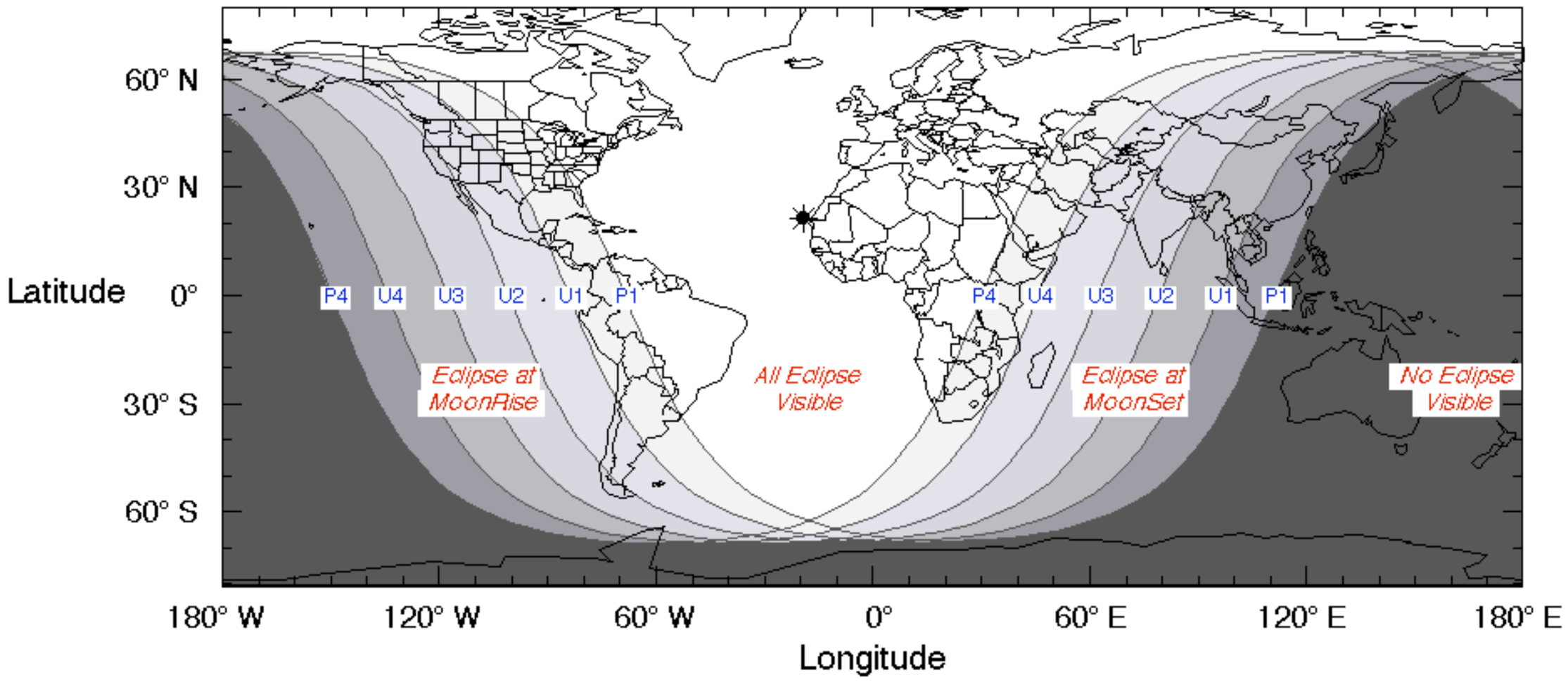
Penumbral = 05h37m13s
Umbral = 03h28m53s
Total = 01h10m00s

ΔT = 90 s
Rule = CdT (Danjon)
Eph. = VSOP87/ELP2000-85

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

<u>Eclipse Contacts</u>

P1 = 22:36:04 UT
U1 = 23:40:19 UT
U2 = 00:49:45 UT
U3 = 01:59:45 UT
U4 = 03:09:12 UT
P4 = 04:13:17 UT



2009 Apr 29