Total Lunar Eclipse of 2065 Jan 22

Ecliptic Conjunction = 09:55:15.3 TD (= 09:53:11.1 UT)
Greatest Eclipse = 09:58:58.5 TD (= 09:56:54.3 UT)

Penumbral Magnitude = 2.2561 P. Radius = 1.2452° Gamma = 0.3371
Umbral Magnitude = 1.2231 U. Radius = 0.7035° Axis = 0.3243°

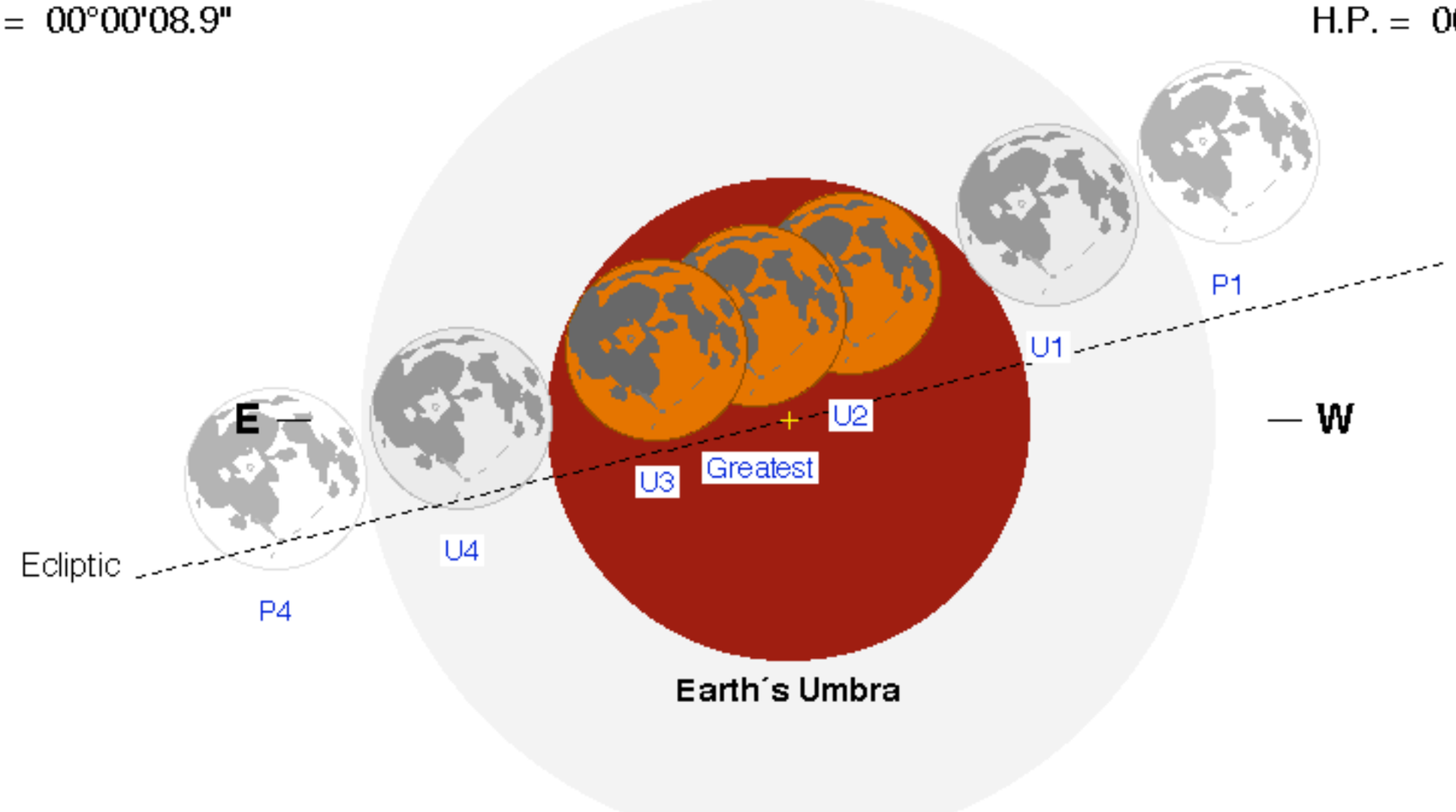
Saros Series = 125 Member = 51 of 72

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

R.A. = 20h20m52.5s
Dec. = -19°29'52.5"
S.D. = 00°16'15.1"
H.P. = 00°00'08.9"

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

R.A. = 08h21m19.3s
Dec. = +19°48'16.6"
S.D. = 00°15'43.9"
H.P. = 00°57'44.2"



<u>Eclipse Durations</u>

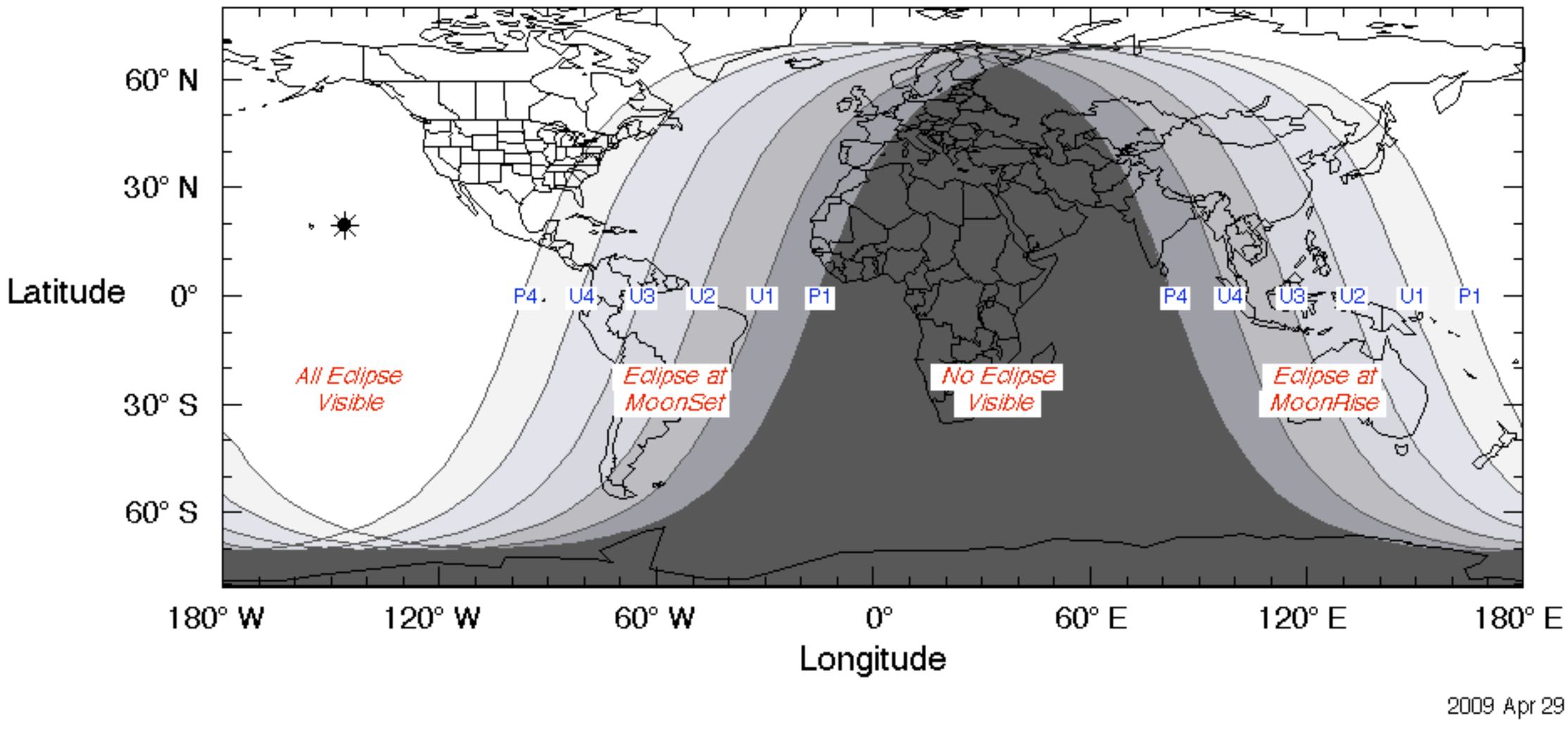
Penumbral = 05h38m10s
Umbral = 03h28m59s
Total = 01h08m46s

ΔT = 124 s
Rule = CdT (Danjon)
Eph. = VSOP87/ELP2000-85

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

<u>Eclipse Contacts</u>

P1 = 07:07:46 UT
U1 = 08:12:26 UT
U2 = 09:22:33 UT
U3 = 10:31:18 UT
U4 = 11:41:25 UT
P4 = 12:45:56 UT



2009 Apr 29