Total Lunar Eclipse of 2000 Jan 21

Ecliptic Conjunction = 04:41:30.5 TD (= 04:40:26.7 UT)
Greatest Eclipse = 04:44:34.5 TD (= 04:43:30.6 UT)

Penumbral Magnitude = 2.3060 P. Radius = 1.2965° Gamma = -0.2957
Umbral Magnitude = 1.3246 U. Radius = 0.7547° Axis = 0.2995°

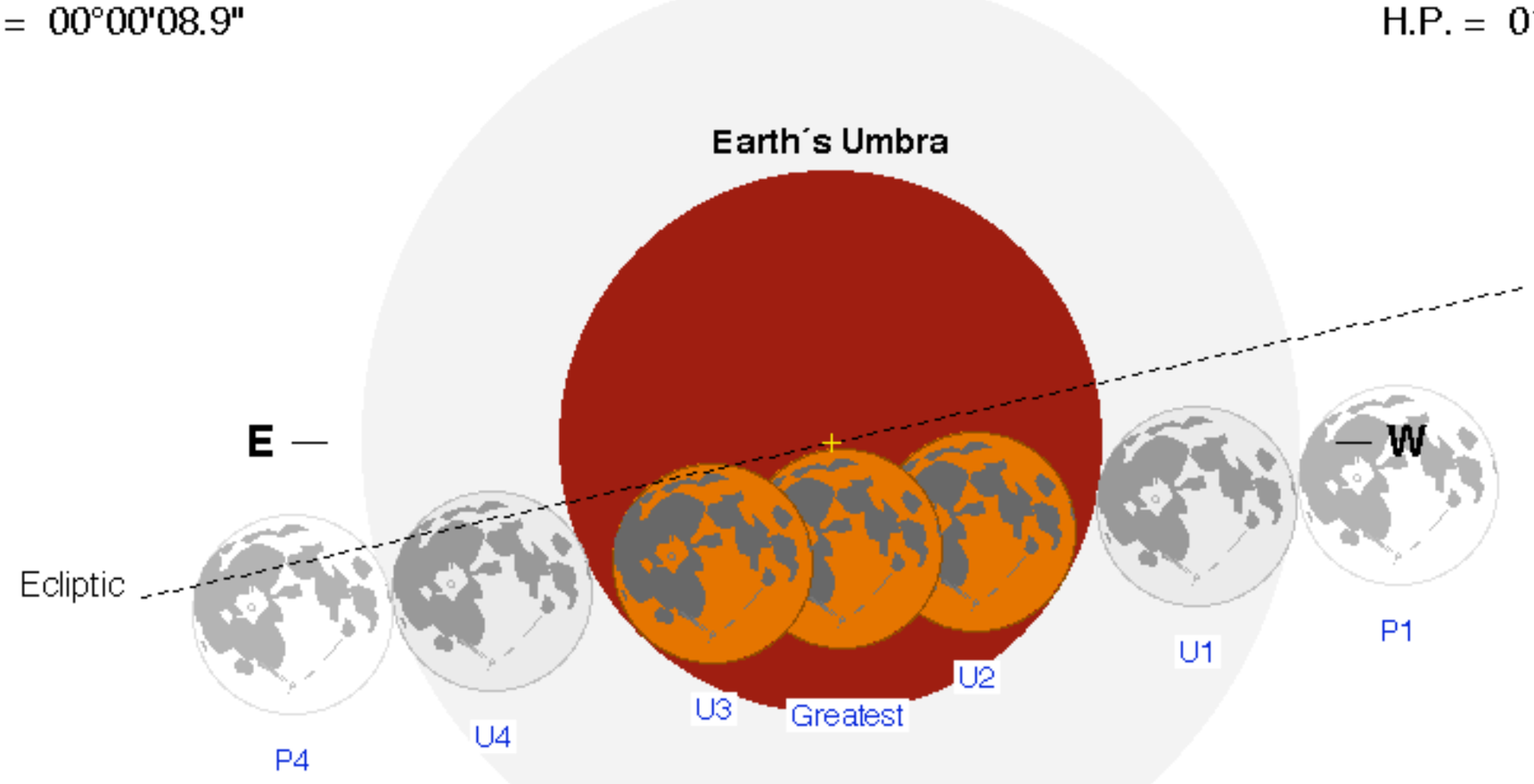
Saros Series = 124 Member = 48 of 74

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

R.A. = 20h10m32.9s
Dec. = -20°03'20.2"
S.D. = 00°16'15.2"
H.P. = 00°00'08.9"

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

R.A. = 08h10m24.0s
Dec. = +19°45'29.3"
S.D. = 00°16'33.7"
H.P. = 01°00'46.8"



<u>Eclipse Durations</u>

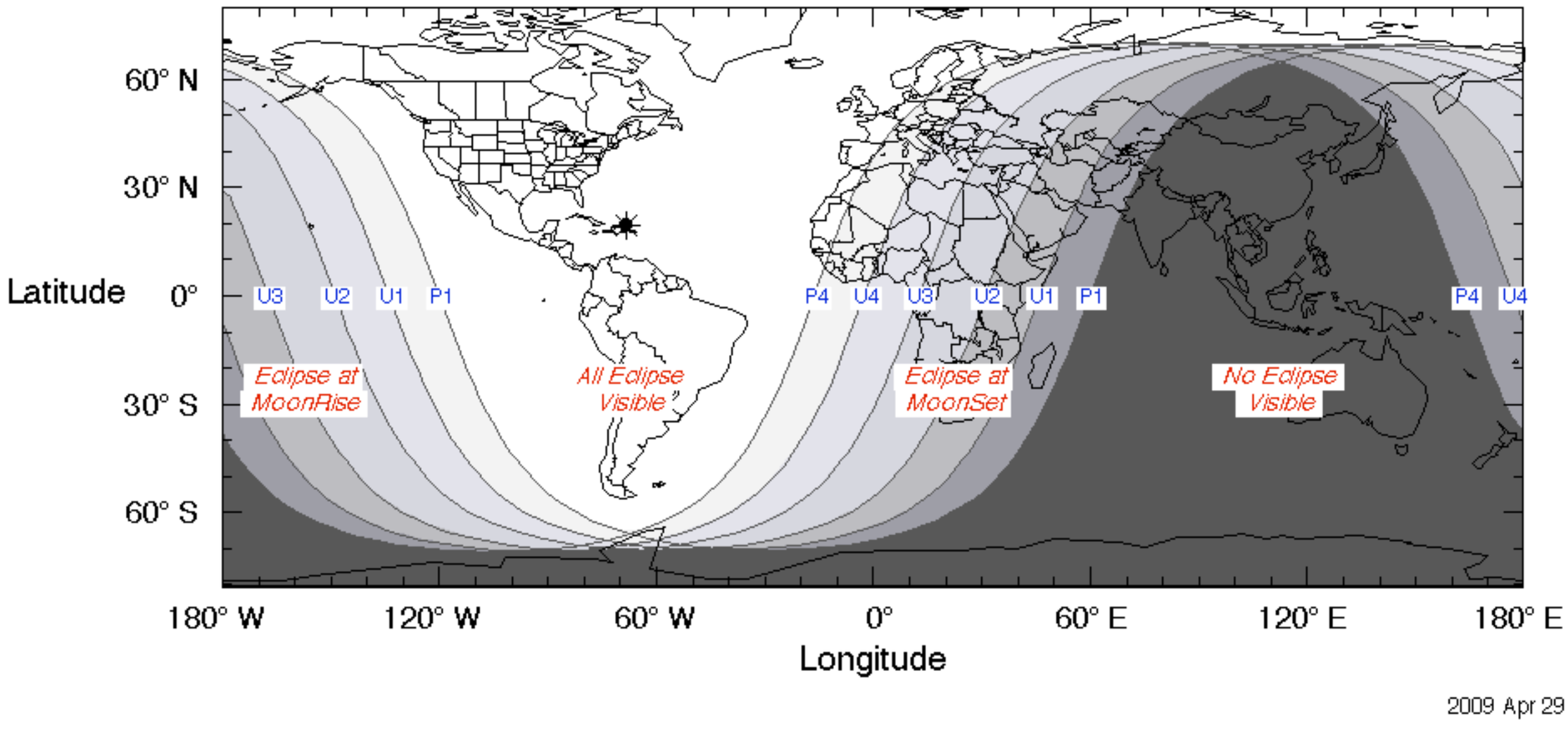
Penumbral = 05h18m12s
Umbral = 03h23m19s
Total = 01h16m59s

ΔT = 64 s
Rule = CdT (Danjon)
Eph. = VSOP87/ELP2000-85

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

<u>Eclipse Contacts</u>

P1 = 02:04:26 UT
U1 = 03:01:50 UT
U2 = 04:05:01 UT
U3 = 05:22:00 UT
U4 = 06:25:09 UT
P4 = 07:22:38 UT



2009 Apr 29