Total Lunar Eclipse of 1971 Feb 10

Ecliptic Conjunction = 07:42:04.0 TD (= 07:41:22.7 UT)
Greatest Eclipse = 07:45:20.9 TD (= 07:44:39.6 UT)

Penumbral Magnitude = 2.4026 P. Radius = 1.1875° Gamma = 0.2741
Umbral Magnitude = 1.3082 U. Radius = 0.6473° Axis = 0.2483°

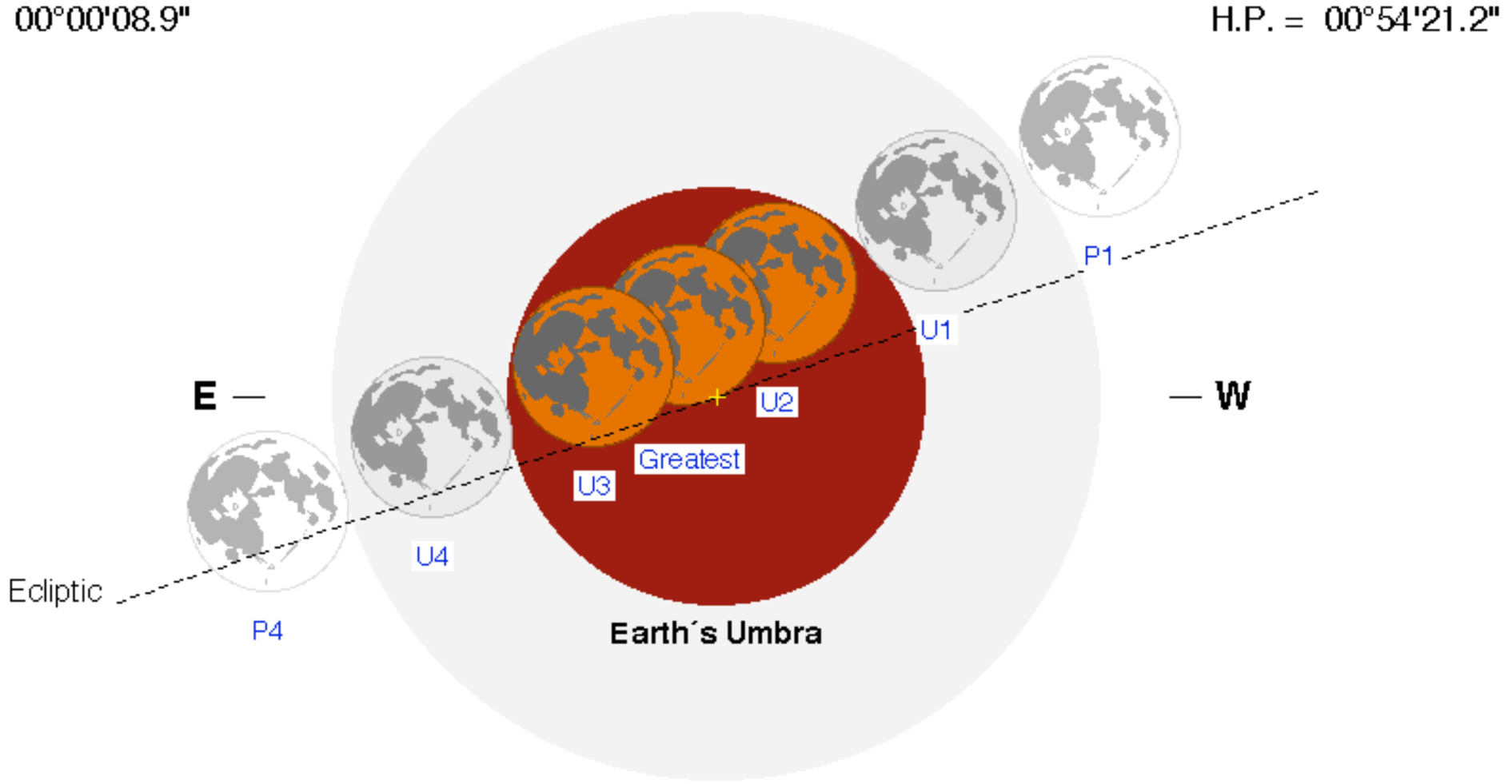
Saros Series = 123 Member = 50 of 73

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

R.A. = 21h33m15.2s
Dec. = -14°31'31.4"
S.D. = 00°16'12.5"
H.P. = 00°00'08.9"

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

R.A. = 09h33m40.7s
Dec. = +14°45'05.5"
S.D. = 00°14'48.6"
H.P. = 00°54'21.2"



<u>Eclipse Durations</u>

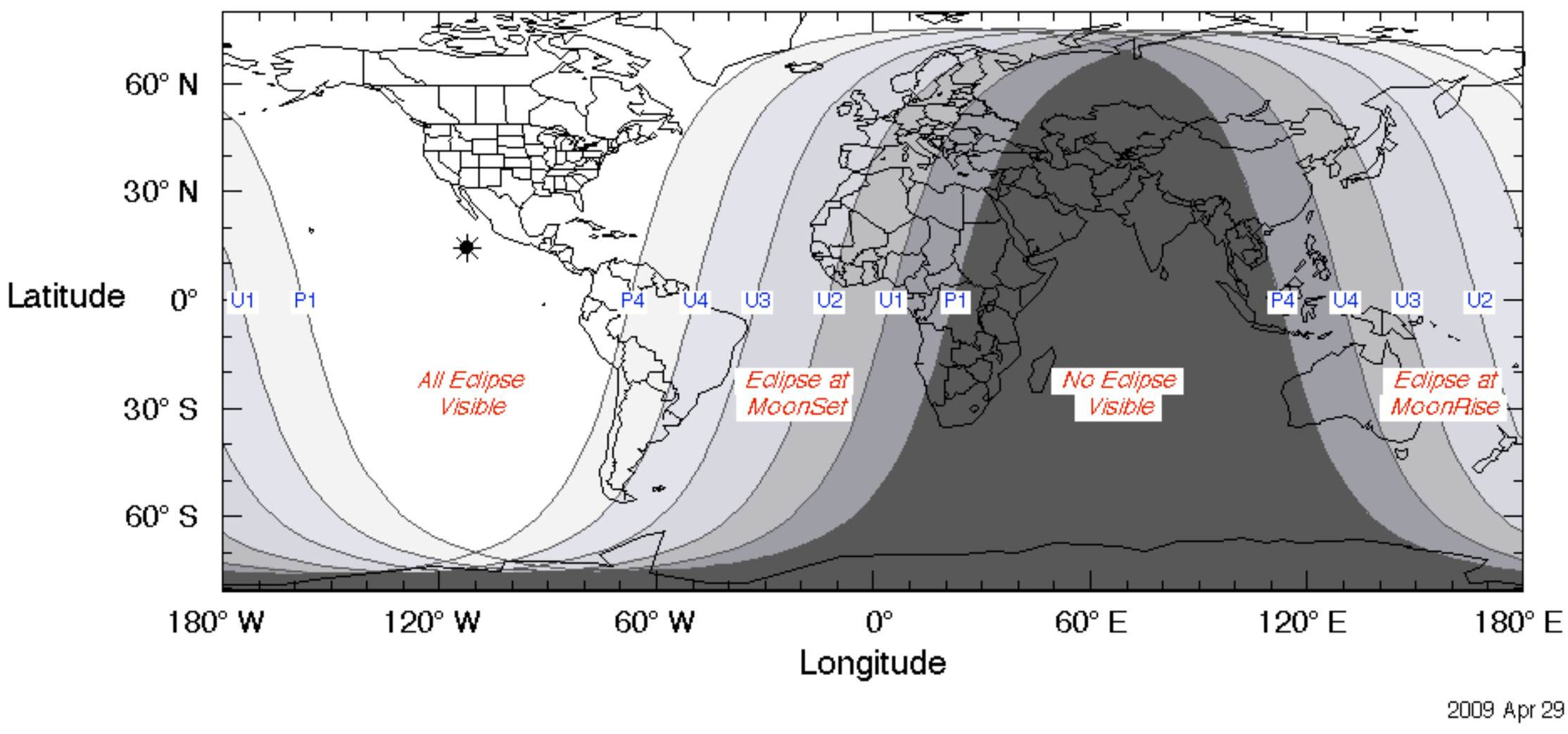
Penumbral = 06h09m31s
Umbral = 03h44m41s
Total = 01h22m11s

ΔT = 41 s
Rule = CdT (Danjon)
Eph. = VSOP87/ELP2000-85

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

<u>Eclipse Contacts</u>

P1 = 04:39:55 UT
U1 = 05:52:18 UT
U2 = 07:03:33 UT
U3 = 08:25:45 UT
U4 = 09:36:59 UT
P4 = 10:49:26 UT



2009 Apr 29