Total Lunar Eclipse of 1931 Apr 02

Ecliptic Conjunction = 20:05:49.1 TD (= 20:05:25.0 UT)
Greatest Eclipse = 20:07:55.0 TD (= 20:07:31.0 UT)

Penumbral Magnitude = 2.4637 P. Radius = 1.2969° Gamma = 0.2043
Umbral Magnitude = 1.5021 U. Radius = 0.7637° Axis = 0.2079°

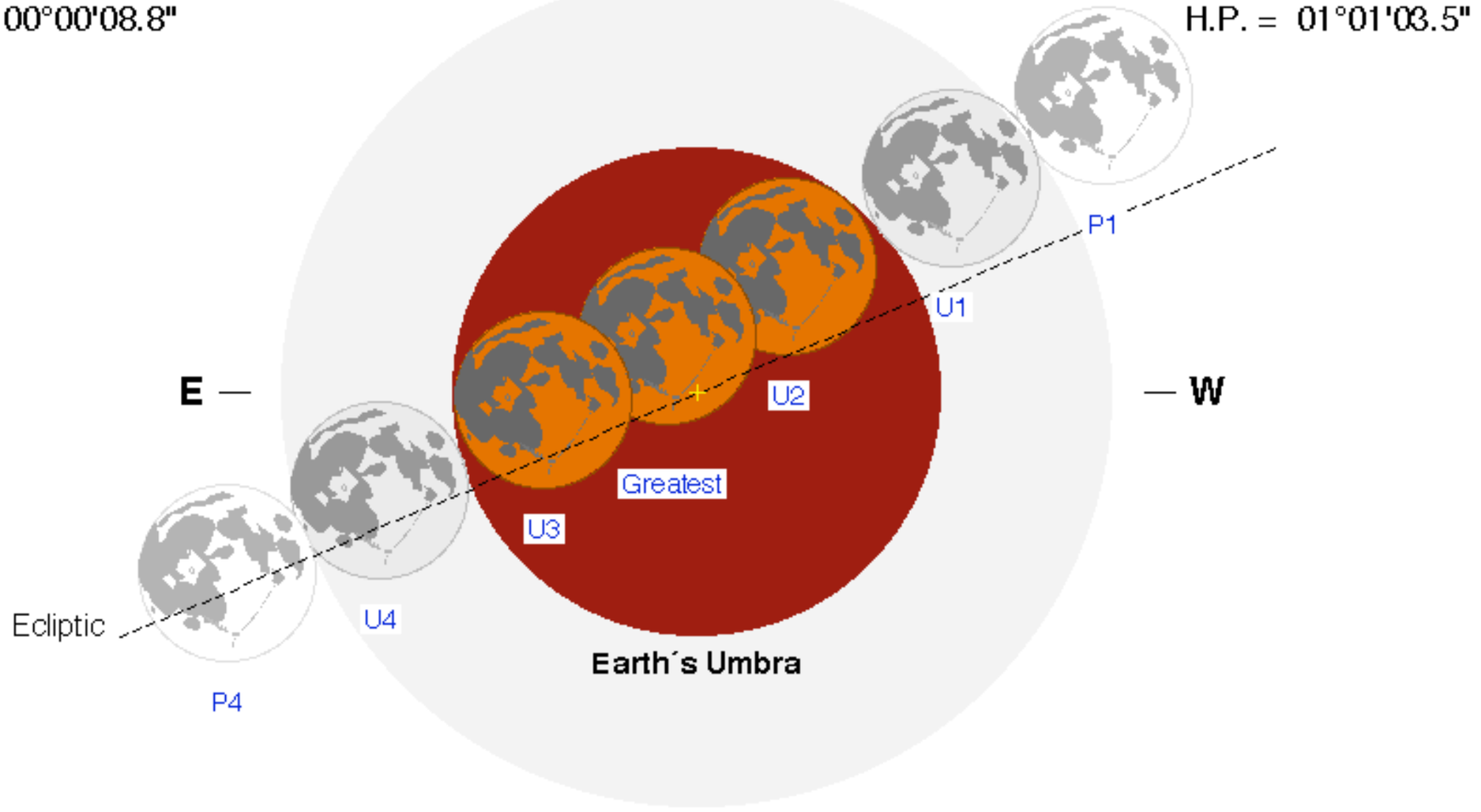
Saros Series = 121 Member = 51 of 84

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

R.A. = 00h44m34.6s
Dec. = +04°47'34.1"
S.D. = 00°15'59.8"
H.P. = 00°00'08.8"

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

R.A. = 12h44m58.6s
Dec. = -04°36'37.2"
S.D. = 00°16'38.2"
H.P. = 01°01'03.5"



<u>Eclipse Durations</u>

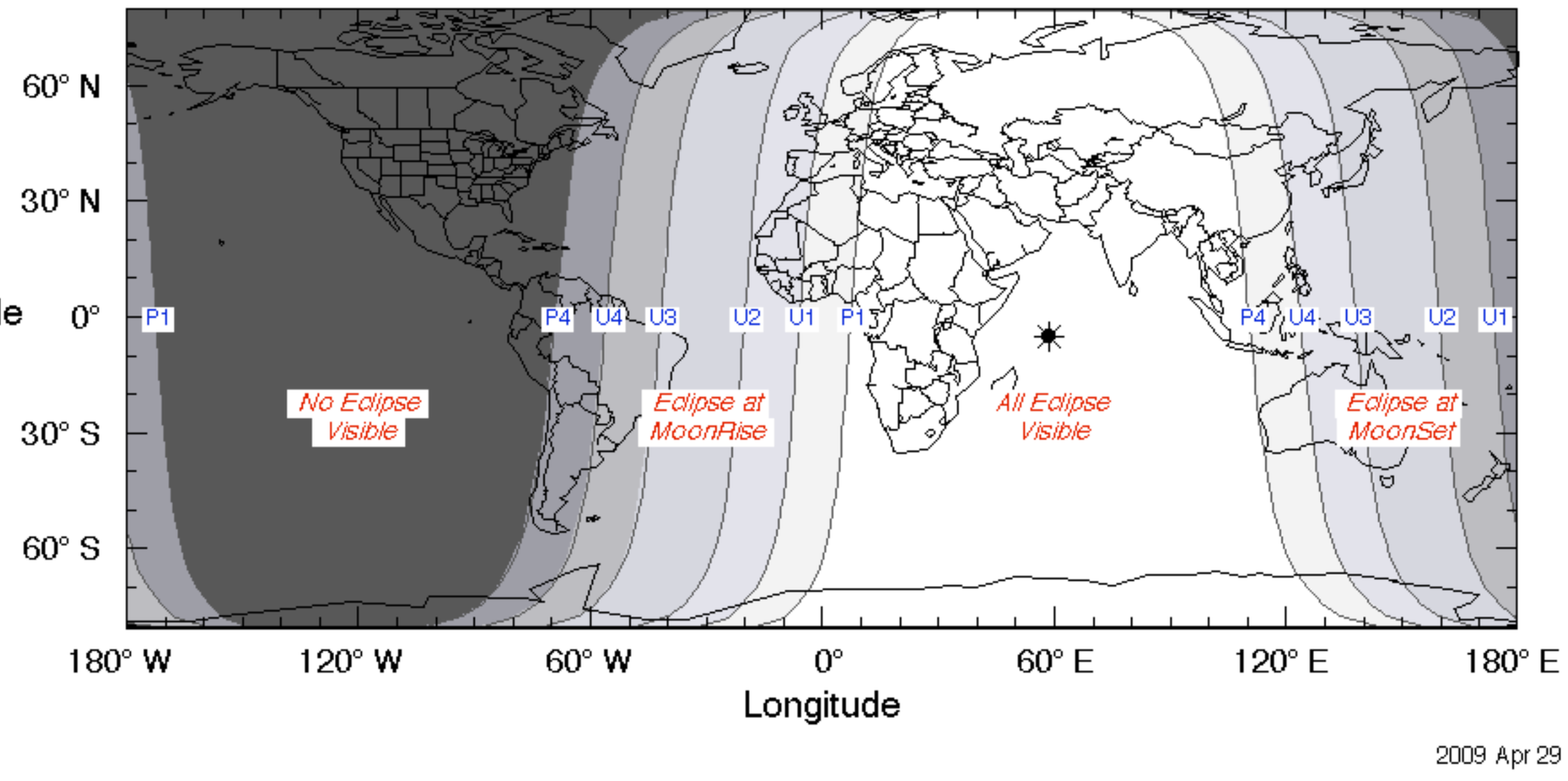
Penumbral = 05h17m56s
Umbral = 03h27m50s
Total = 01h29m36s

ΔT = 24 s
Rule = CdT (Danjon)
Eph. = VSOP87/ELP2000-85

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

<u>Eclipse Contacts</u>

P1 = 17:28:34 UT
U1 = 18:23:35 UT
U2 = 19:22:43 UT
U3 = 20:52:19 UT
U4 = 21:51:25 UT
P4 = 22:46:30 UT



2009 Apr 29