Total Lunar Eclipse of 1945 Dec 19

Ecliptic Conjunction = 02:17:48.9 TD (= 02:17:21.6 UT)
Greatest Eclipse = 02:20:47.2 TD (= 02:20:19.9 UT)

Penumbral Magnitude = 2.3293 P. Radius = 1.2910° Gamma = -0.2845
Umbral Magnitude = 1.3424 U. Radius = 0.7491° Axis = 0.2866°

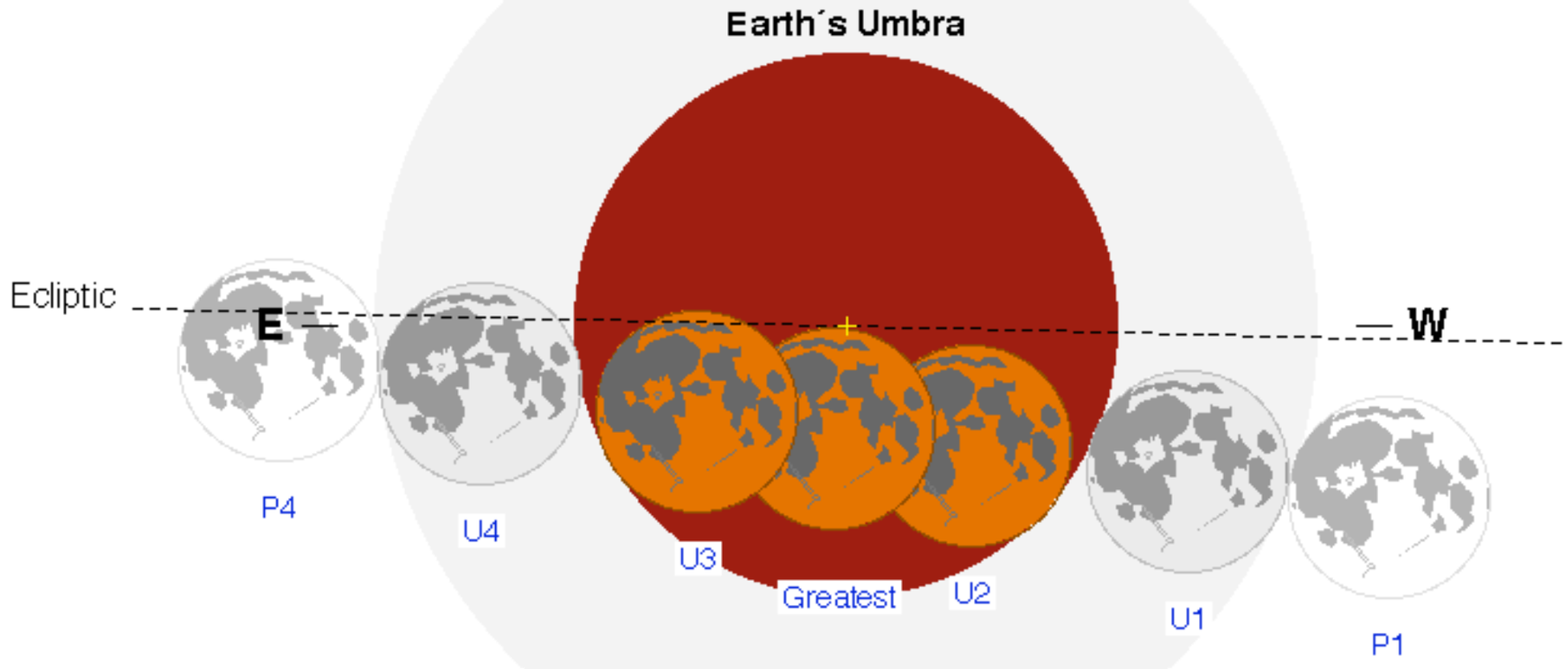
Saros Series = 124 Member = 45 of 74

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

R.A. = 17h46m11.0s
Dec. = -23°24'29.1"
S.D. = 00°16'15.4"
H.P. = 00°00'08.9"

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

R.A. = 05h46m20.2s
Dec. = +23°07'24.9"
S.D. = 00°16'28.3"
H.P. = 01°00'27.1"



<u>Eclipse Durations</u>

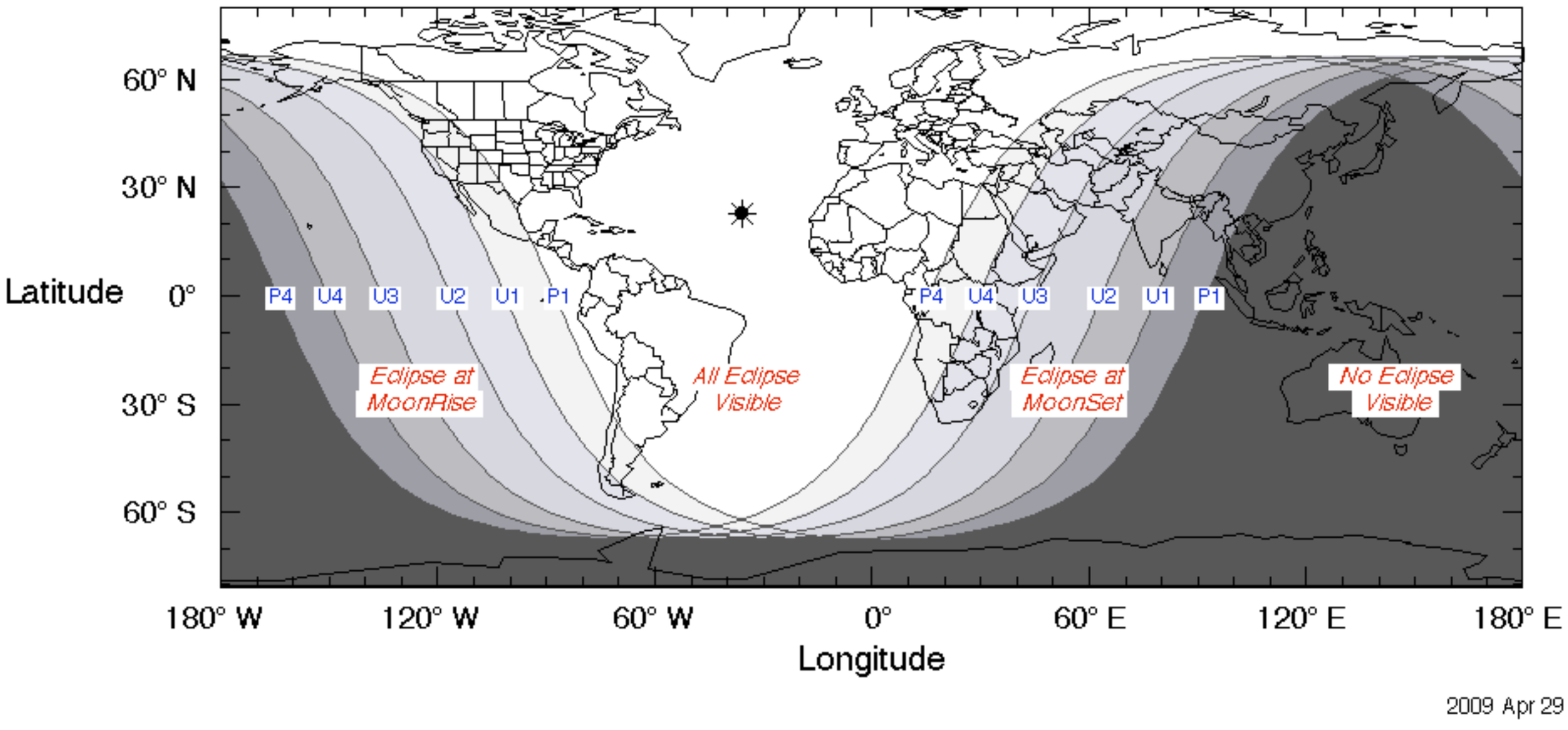
Penumbral = 05h20m52s
Umbral = 03h24m54s
Total = 01h18m53s

ΔT = 27 s
Rule = CdT (Danjon)
Eph. = VSOP87/ELP2000-85

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

<u>Eclipse Contacts</u>

P1 = 23:39:56 UT
U1 = 00:37:52 UT
U2 = 01:40:53 UT
U3 = 02:59:46 UT
U4 = 04:02:46 UT
P4 = 05:00:47 UT



2009 Apr 29