Total Lunar Eclipse of 2040 May 26

Ecliptic Conjunction = 11:48:18.0 TD (= 11:46:53.0 UT)
Greatest Eclipse = 11:46:21.6 TD (= 11:44:56.6 UT)

Penumbral Magnitude = 2.4938 P. Radius = 1.2825° Gamma = -0.1872
Umbral Magnitude = 1.5348 U. Radius = 0.7563° Axis = 0.1885°

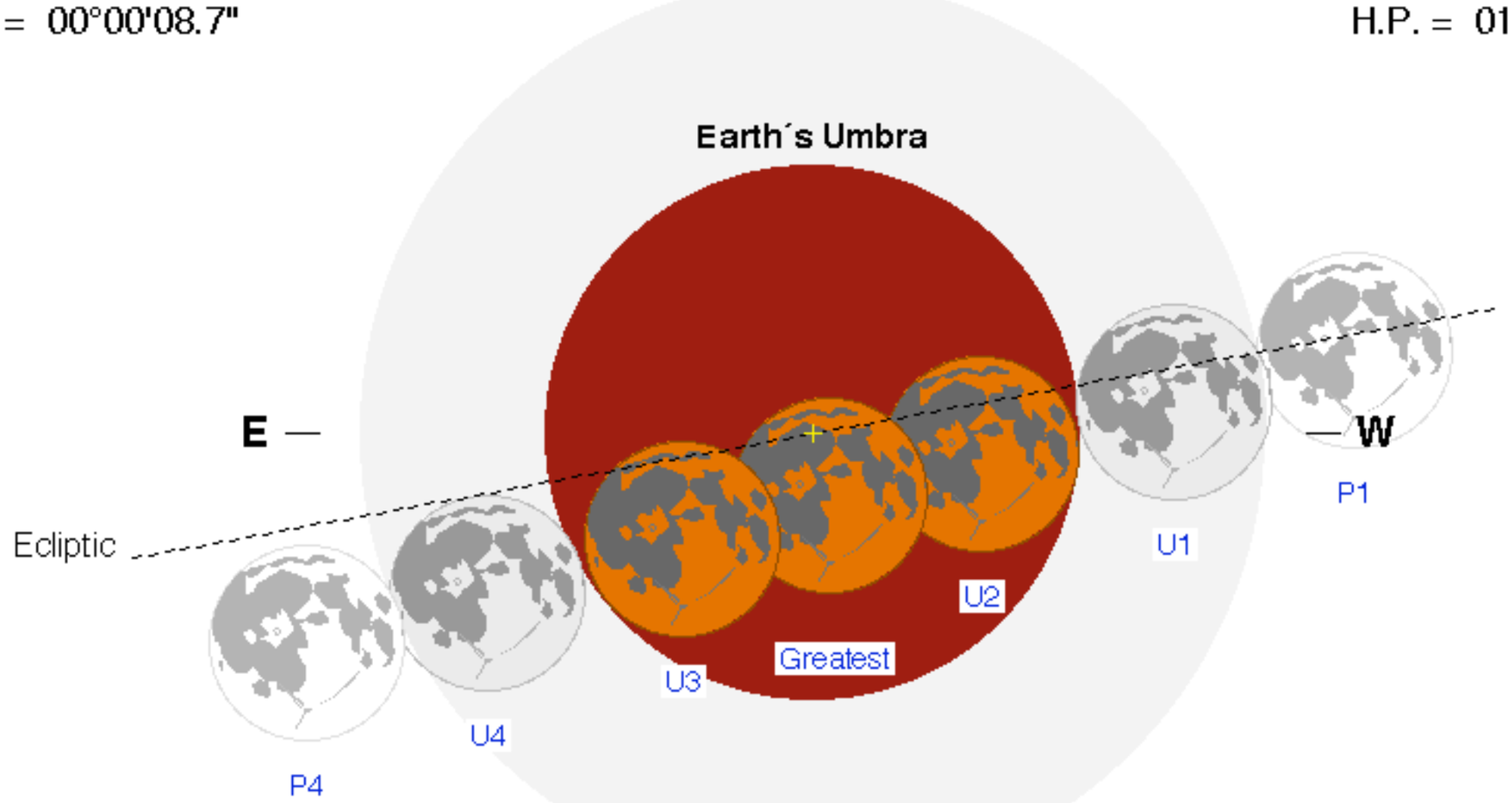
Saros Series = 131 Member = 35 of 72

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

R.A. = 04h15m46.6s
Dec. = +21°16'35.2"
S.D. = 00°15'47.2"
H.P. = 00°00'08.7"

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

R.A. = 16h15m33.4s
Dec. = -21°27'28.3"
S.D. = 00°16'27.7"
H.P. = 01°00'24.9"



<u>Eclipse Durations</u>

Penumbral = 05h21m22s
Umbral = 03h30m43s
Total = 01h32m15s

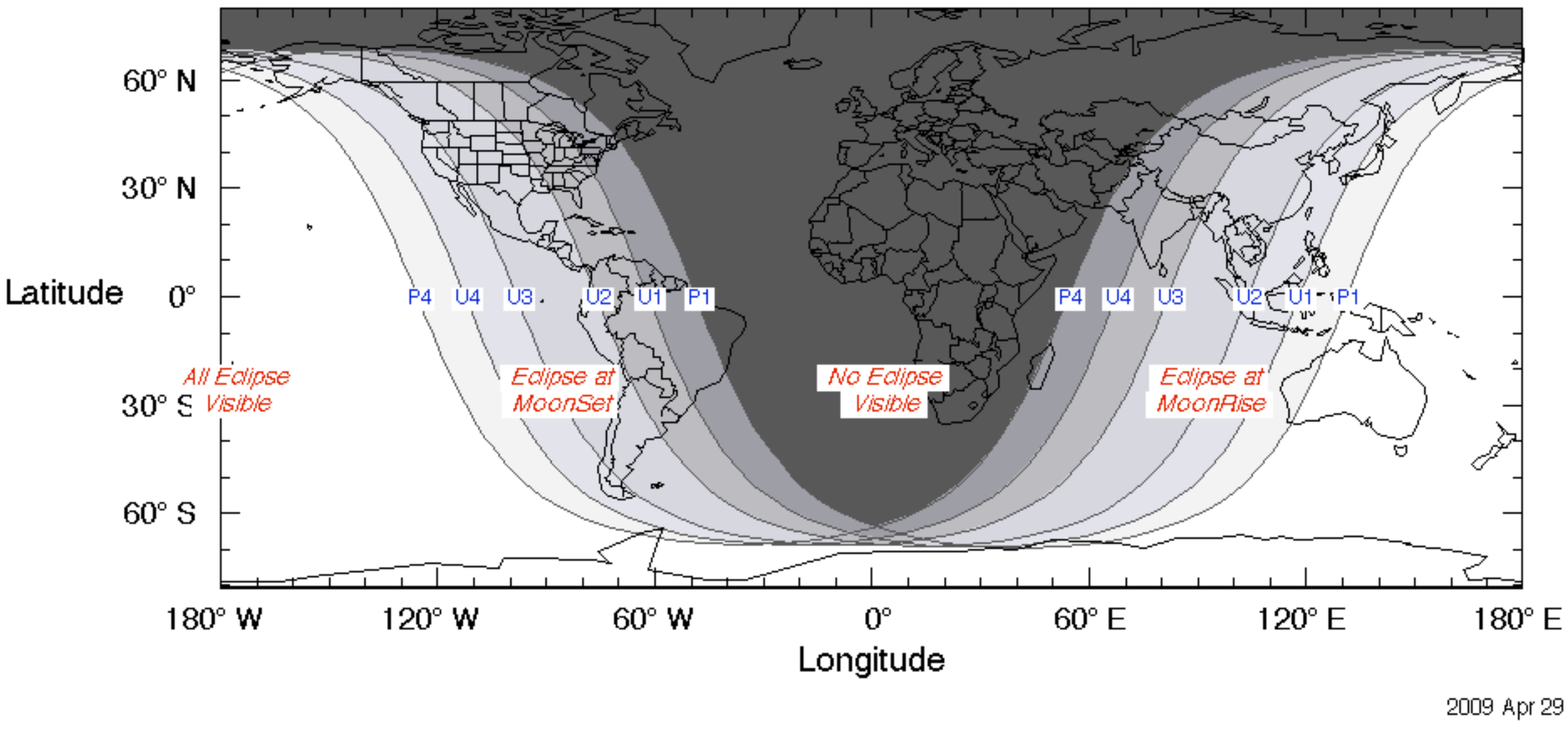
ΔT = 85 s
Rule = CdT (Danjon)
Eph. = VSOP87/ELP2000-85

0 15 30 45 60
Arc-Minutes

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

<u>Eclipse Contacts</u>

P1 = 09:04:14 UT
U1 = 09:59:36 UT
U2 = 10:58:50 UT
U3 = 12:31:05 UT
U4 = 13:30:19 UT
P4 = 14:25:36 UT



2009 Apr 29