# Total Lunar Eclipse of 2036 Aug 07

Ecliptic Conjunction = 02:50:08.1 TD ( = 02:48:46.0 UT )
Greatest Eclipse = 02:52:32.4 TD ( = 02:51:10.3 UT )

Penumbral Magnitude = 2.5266 P. Radius = 1.1739° Gamma = 0.2004
Umbral Magnitude = 1.4544 U. Radius = 0.6482° Axis = 0.1803°

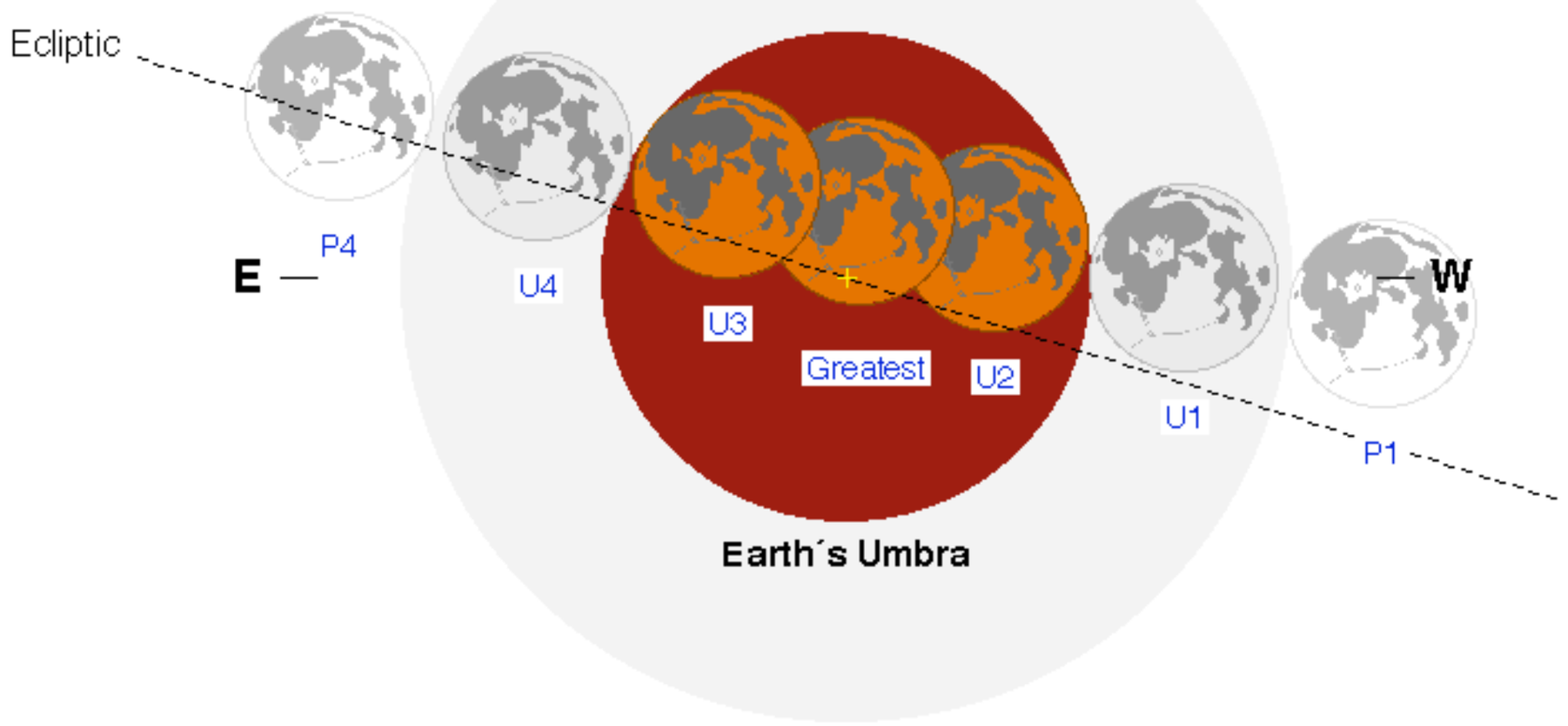
Saros Series = 129 Member = 39 of 71

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

R.A. = 09h10m39.1s
Dec. = +16°16'20.7"
S.D. = 00°15'46.3"
H.P. = 00°00'08.7"

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

R.A. = 21h10m30.3s
Dec. = -16°05'44.3"
S.D. = 00°14'42.5"
H.P. = 00°53'58.8"




<u>Eclipse Durations</u>

Penumbral = 06h12m07s
Umbral = 03h51m20s
Total = 01h35m19s

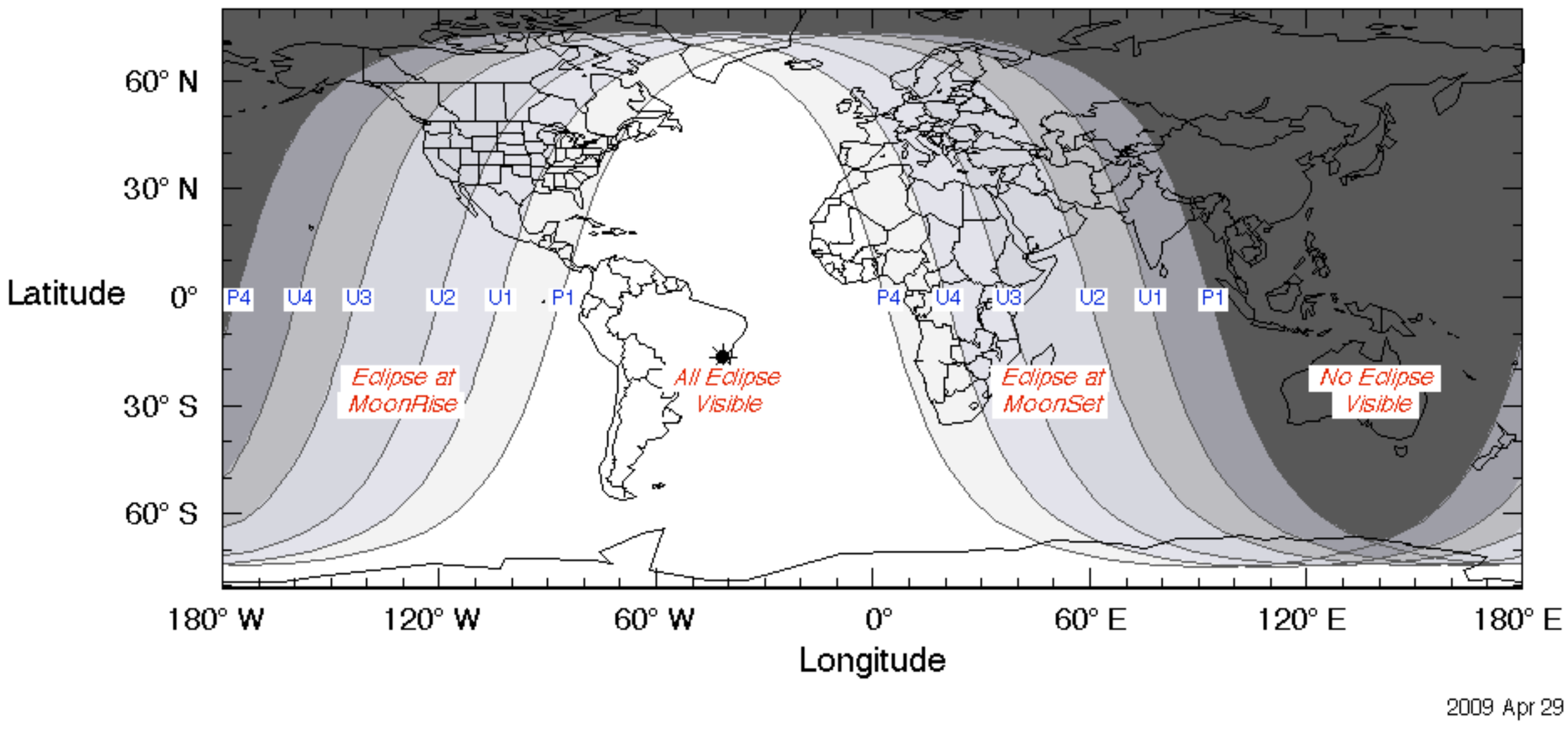
ΔT = 82 s
Rule = CdT (Danjon)
Eph. = VSOP87/ELP2000-85

0 15 30 45 60
Arc-Minutes

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

<u>Eclipse Contacts</u>

P1 = 23:45:07 UT
U1 = 00:55:30 UT
U2 = 02:03:31 UT
U3 = 03:38:50 UT
U4 = 04:46:50 UT
P4 = 05:57:14 UT




2009 Apr 29