Total Lunar Eclipse of 1986 Oct 17

Ecliptic Conjunction = 19:22:33.8 TD (= 19:21:38.6 UT)
Greatest Eclipse = 19:18:54.0 TD (= 19:17:58.8 UT)

Penumbral Magnitude = 2.3008 P. Radius = 1.2096° Gamma = 0.3188
Umbral Magnitude = 1.2455 U. Radius = 0.6745° Axis = 0.2966°

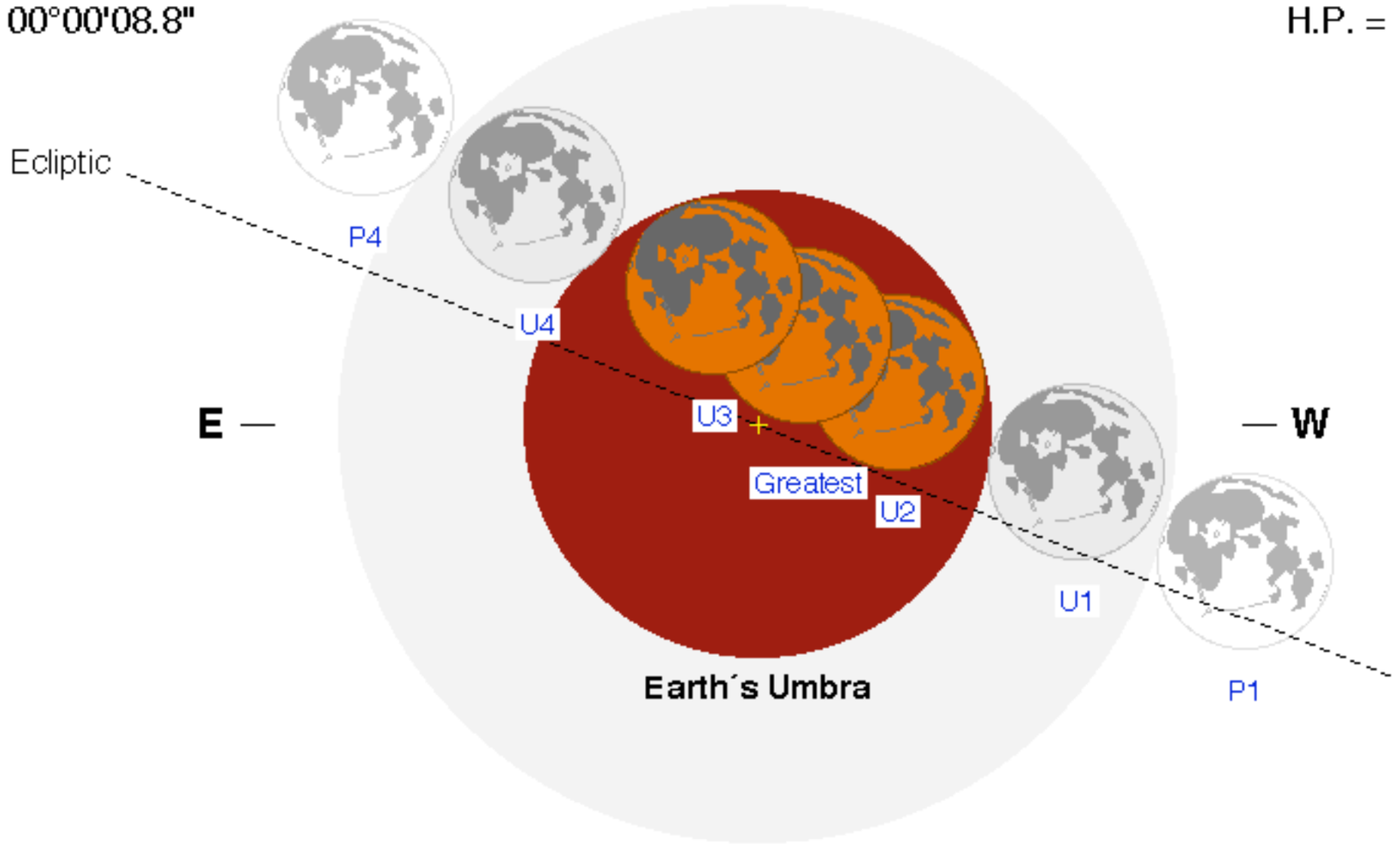
Saros Series = 136 Member = 18 of 72

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

R.A. = 13h29m20.1s
Dec. = -09°21'26.2"
S.D. = 00°16'03.1"
H.P. = 00°00'08.8"

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

R.A. = 01h28m47.0s
Dec. = +09°37'14.9"
S.D. = 00°15'12.6"
H.P. = 00°55'49.1"



<u>Eclipse Durations</u>

Penumbral = 05h53m12s
Umbral = 03h36m48s
Total = 01h13m41s

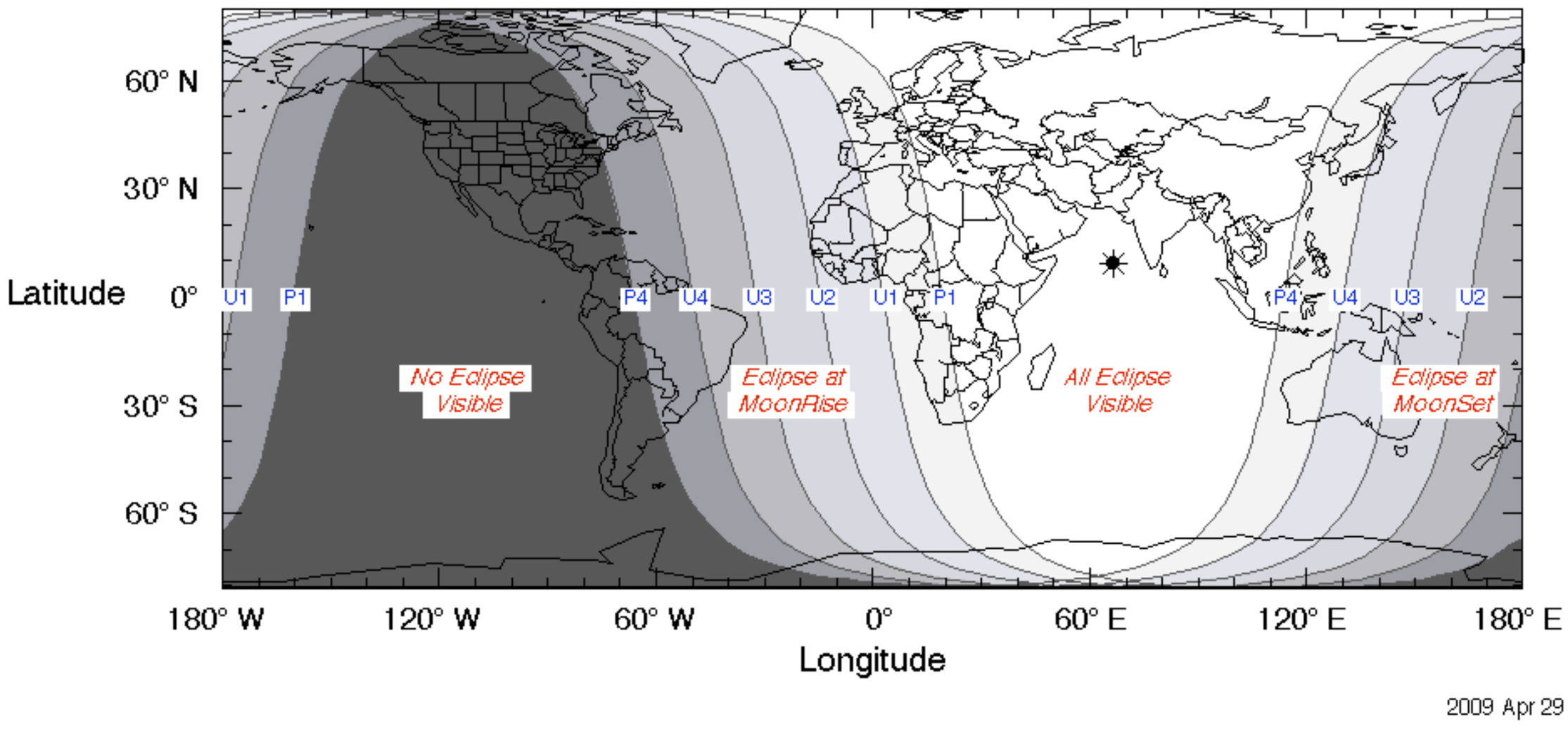
ΔT = 55 s
Rule = CdT (Danjon)
Eph. = VSOP87/ELP2000-85

0 15 30 45 60
Arc-Minutes

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

<u>Eclipse Contacts</u>

P1 = 16:21:26 UT
U1 = 17:29:33 UT
U2 = 18:41:07 UT
U3 = 19:54:48 UT
U4 = 21:06:22 UT
P4 = 22:14:38 UT



2009 Apr 29