Total Lunar Eclipse of 2032 Oct 18

Ecliptic Conjunction = 18:59:18.7 TD (= 18:57:59.3 UT)
Greatest Eclipse = 19:03:40.2 TD (= 19:02:20.8 UT)

Penumbral Magnitude = 2.0830 P. Radius = 1.2820° Gamma = 0.4169
Umbral Magnitude = 1.1028 U. Radius = 0.7468° Axis = 0.4177°

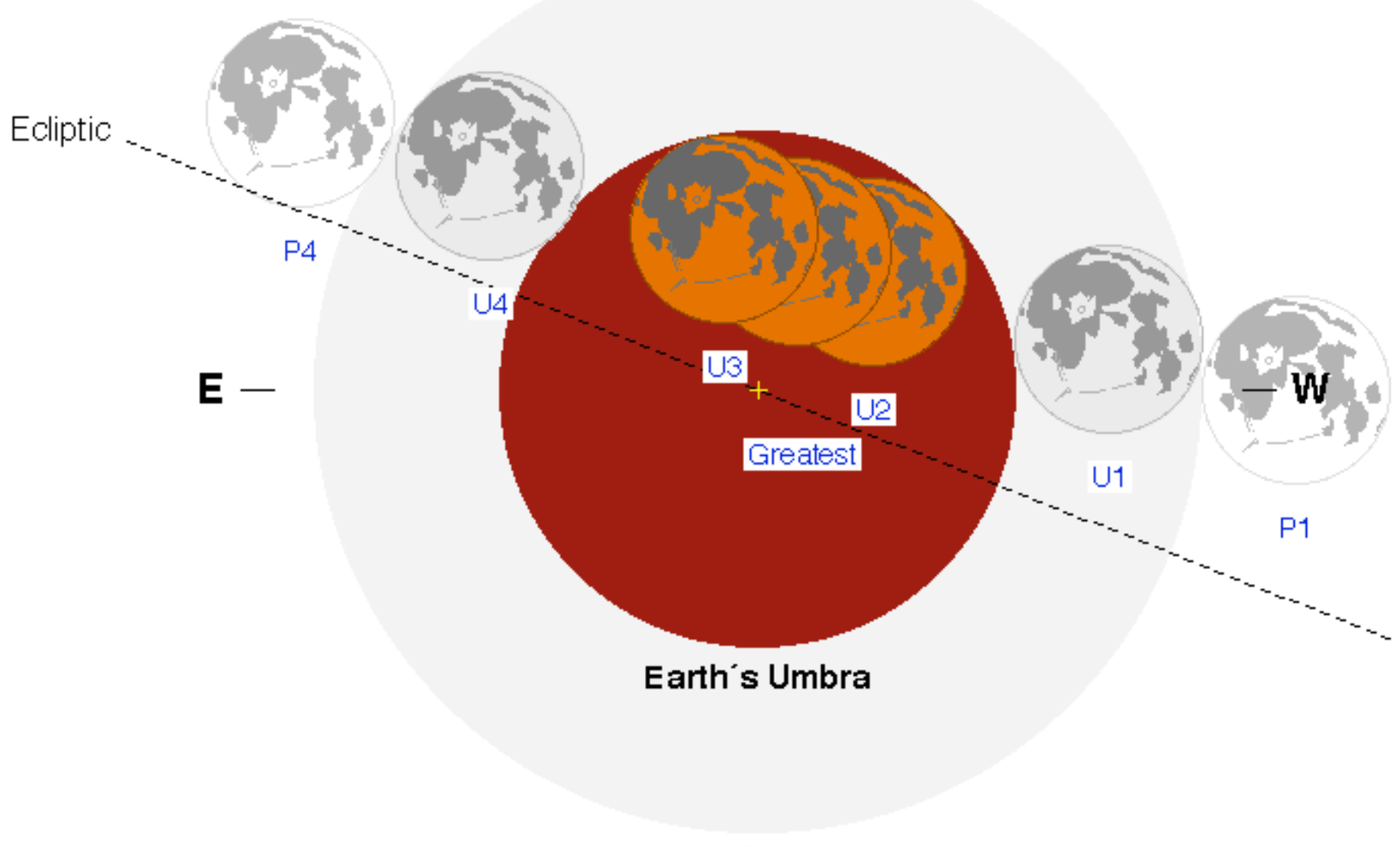
Saros Series = 127 Member = 43 of 72

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

R.A. = 13h36m15.4s
Dec. = -10°01'20.8"
S.D. = 00°16'03.4"
H.P. = 00°00'08.8"

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

R.A. = 01h35m47.9s
Dec. = +10°25'28.8"
S.D. = 00°16'22.8"
H.P. = 01°00'07.0"



<u>Eclipse Durations</u>

Penumbral = 05h15m25s
Umbral = 03h15m56s
Total = 00h47m07s

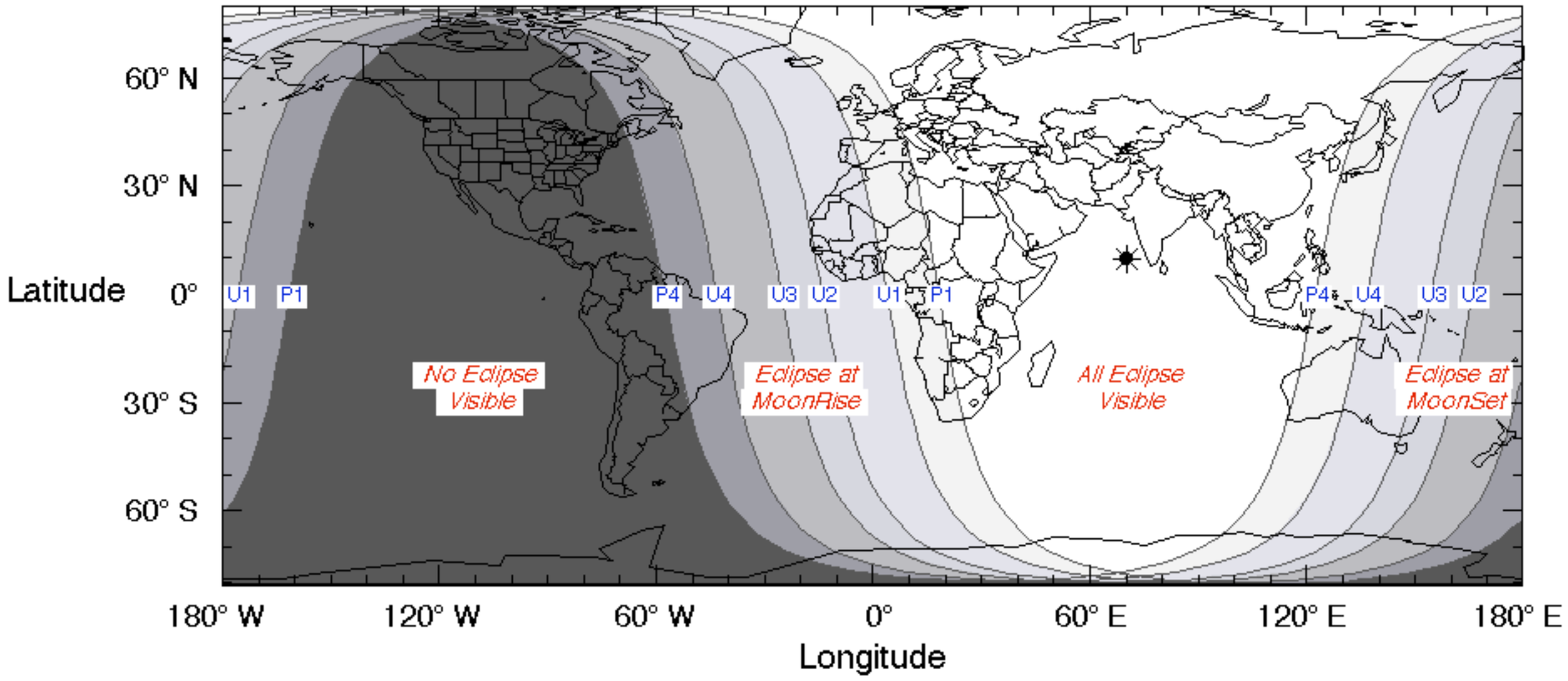
ΔT = 79 s
Rule = CdT (Danjon)
Eph. = VSOP87/ELP2000-85

0 15 30 45 60
Arc-Minutes

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

<u>Eclipse Contacts</u>

P1 = 16:24:41 UT
U1 = 17:24:22 UT
U2 = 18:38:46 UT
U3 = 19:25:53 UT
U4 = 20:40:17 UT
P4 = 21:40:05 UT



2009 Apr 29