Total Lunar Eclipse of -0412 Aug 28

Ecliptic Conjunction = 01:20:08.6 TD (= 21:06:11.0 UT)
Greatest Eclipse = 01:15:32.9 TD (= 21:01:35.3 UT)

Penumbral Magnitude = 2.0976 P. Radius = 1.2398° Gamma = 0.4191
Umbral Magnitude = 1.0804 U. Radius = 0.7069° Axis = 0.4029°

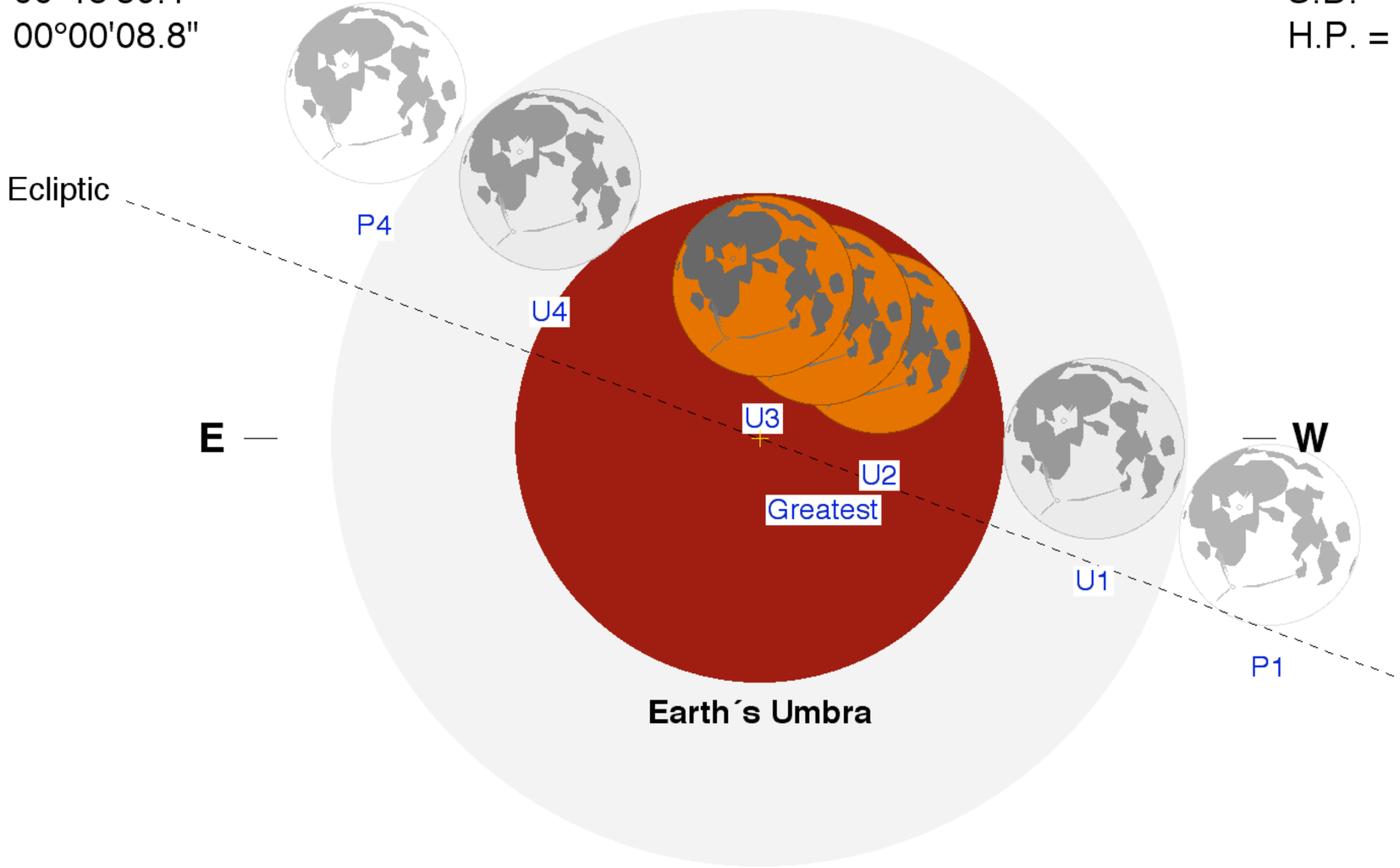
Saros Series = 60 Member = 17 of 74

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

R.A. = 10h04m40.2s
Dec. = +11°58'44.2"
S.D. = 00°15'59.1"
H.P. = 00°00'08.8"

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

R.A. = 22h03m56.5s
Dec. = -11°37'04.1"
S.D. = 00°15'43.0"
H.P. = 00°57'40.7"



<u>Eclipse Durations</u>

Penumbral = 05h32m16s
Umbral = 03h22m24s
Total = 00h43m25s

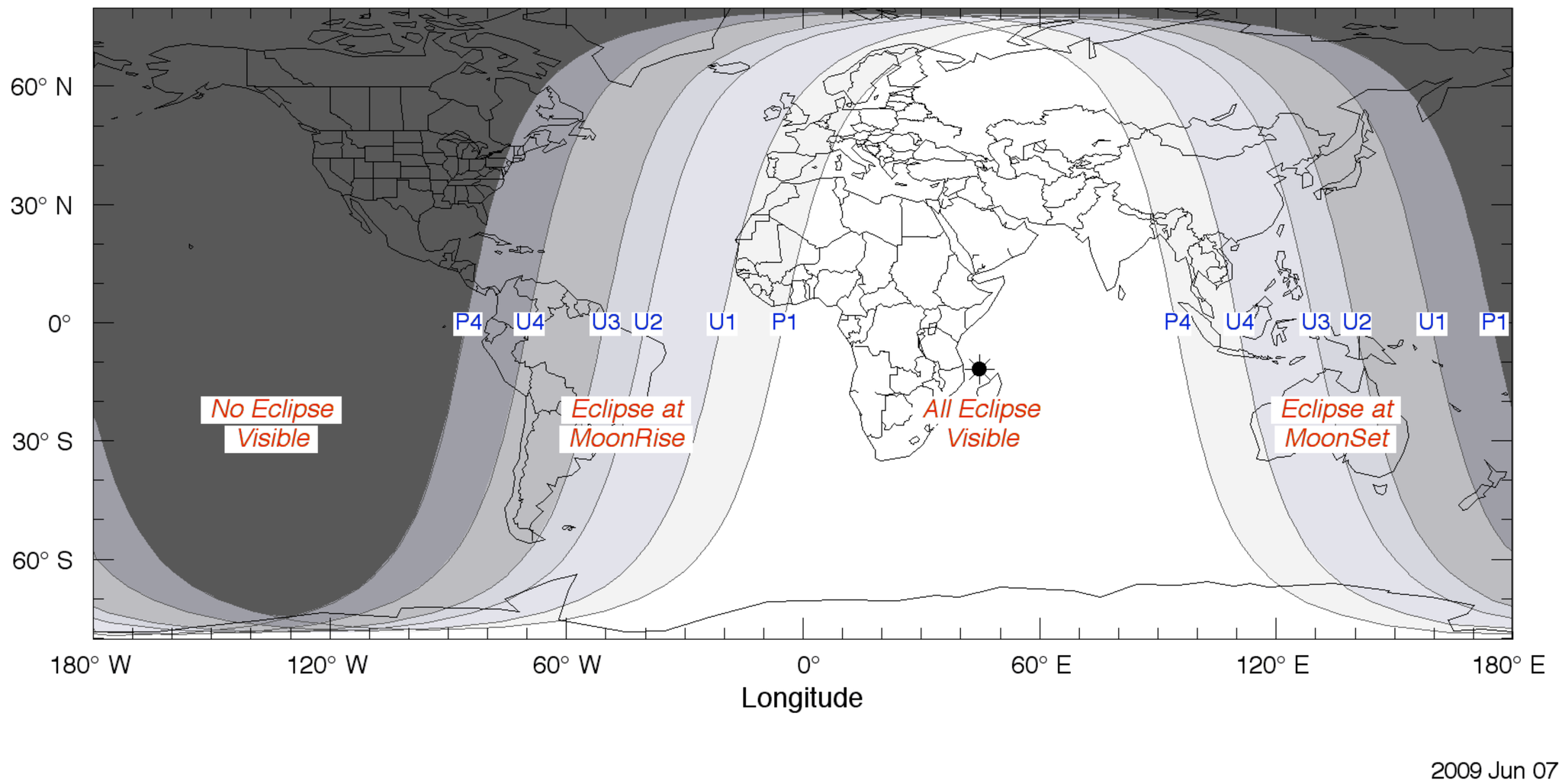
ΔT = 15238 s
Rule = CdT (Danjon)
Eph. = VSOP87/ELP2000-85

0 15 30 45 60
Arc-Minutes

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

<u>Eclipse Contacts</u>

P1 = 18:15:31 UT
U1 = 19:20:22 UT
U2 = 20:39:51 UT
U3 = 21:23:16 UT
U4 = 22:42:45 UT
P4 = 23:47:46 UT



2009 Jun 07