Total Lunar Eclipse of -0004 Mar 23

Ecliptic Conjunction = 21:17:25.1 TD (= 18:21:12.8 UT)
Greatest Eclipse = 21:17:08.8 TD (= 18:20:56.5 UT)

Penumbral Magnitude = 2.8170 P. Radius = 1.2404° Gamma = -0.0248
Umbral Magnitude = 1.8080 U. Radius = 0.7107° Axis = 0.0239°

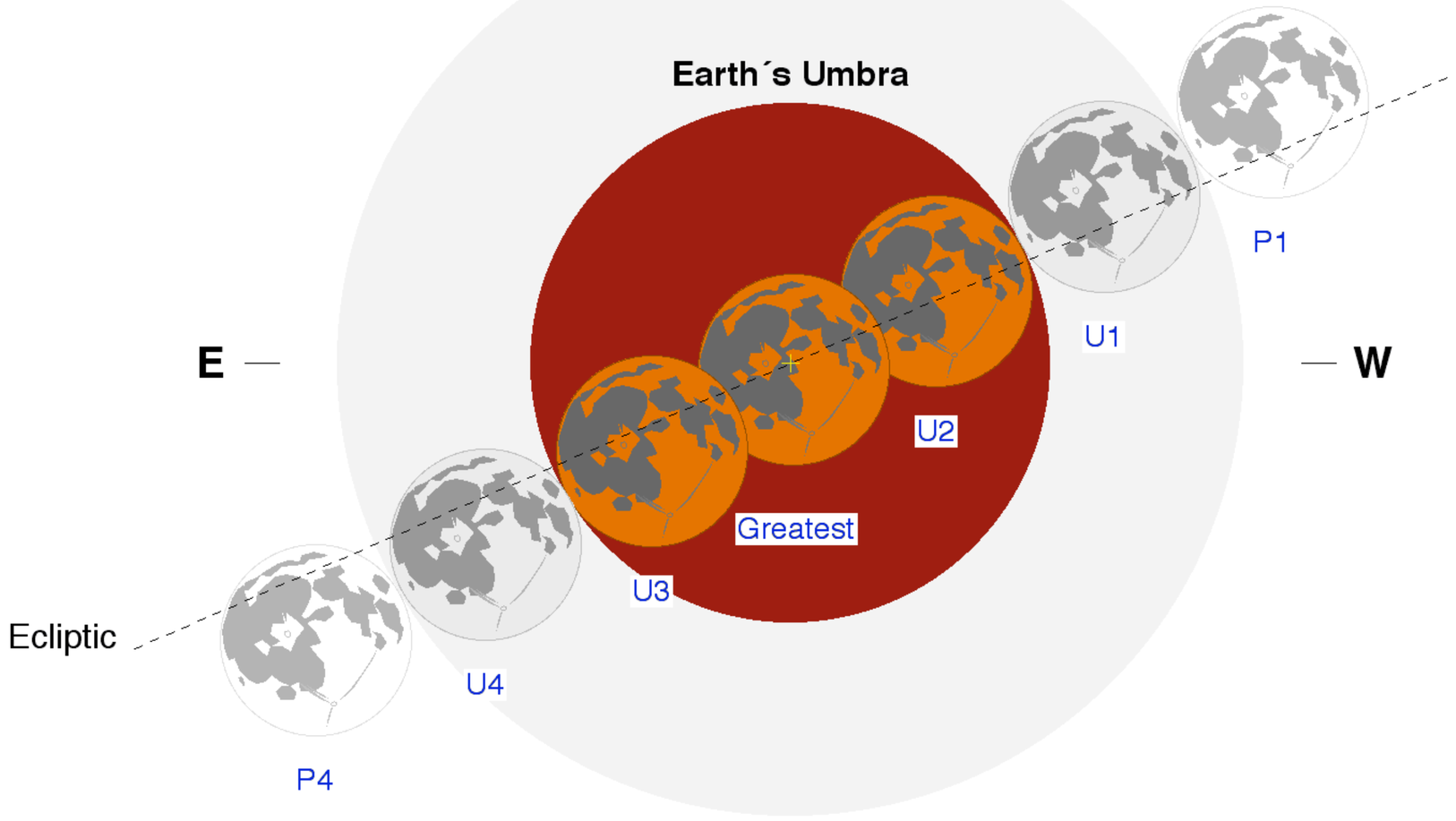
Saros Series = 61 Member = 48 of 82

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

R.A. = 00h03m47.0s
Dec. = +00°24'54.7"
S.D. = 00°15'53.6"
H.P. = 00°00'08.7"

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

R.A. = 12h03m44.2s
Dec. = -00°26'09.6"
S.D. = 00°15'45.1"
H.P. = 00°57'48.6"



<u>Eclipse Durations</u>

Penumbral = 05h43m13s
Umbral = 03h42m13s
Total = 01h42m13s

ΔT = 10572 s
Rule = CdT (Danjon)
Eph. = VSOP87/ELP2000-85

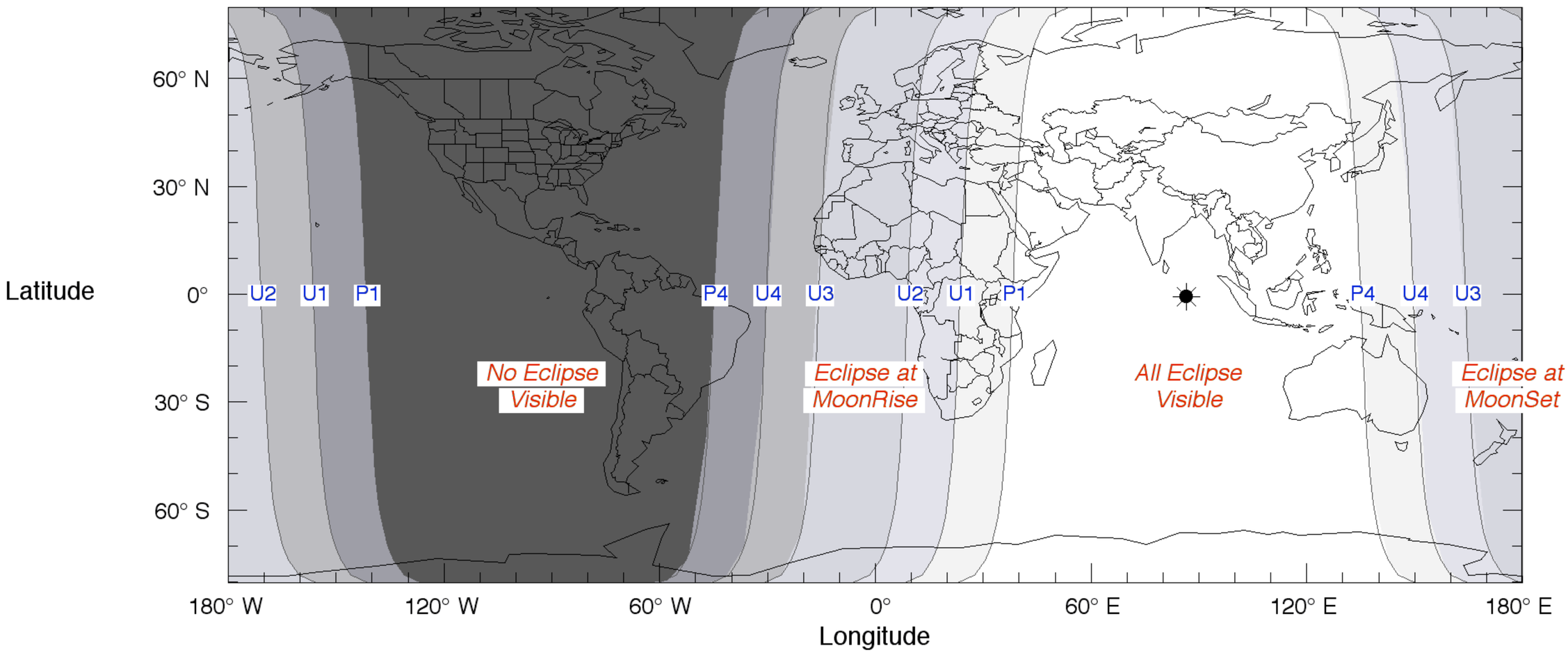
S

0 15 30 45 60
Arc-Minutes

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

<u>Eclipse Contacts</u>

P1 = 15:29:17 UT
U1 = 16:29:51 UT
U2 = 17:29:51 UT
U3 = 19:12:04 UT
U4 = 20:12:04 UT
P4 = 21:12:30 UT



2009 Jun 07