Total Lunar Eclipse of 1902 Apr 22

Ecliptic Conjunction = 18:49:30.1 TD (= 18:49:29.9 UT)
Greatest Eclipse = 18:52:40.2 TD (= 18:52:39.9 UT)

Penumbral Magnitude = 2.4002 P. Radius = 1.1879° Gamma = -0.2680
Umbral Magnitude = 1.3327 U. Radius = 0.6578° Axis = 0.2442°

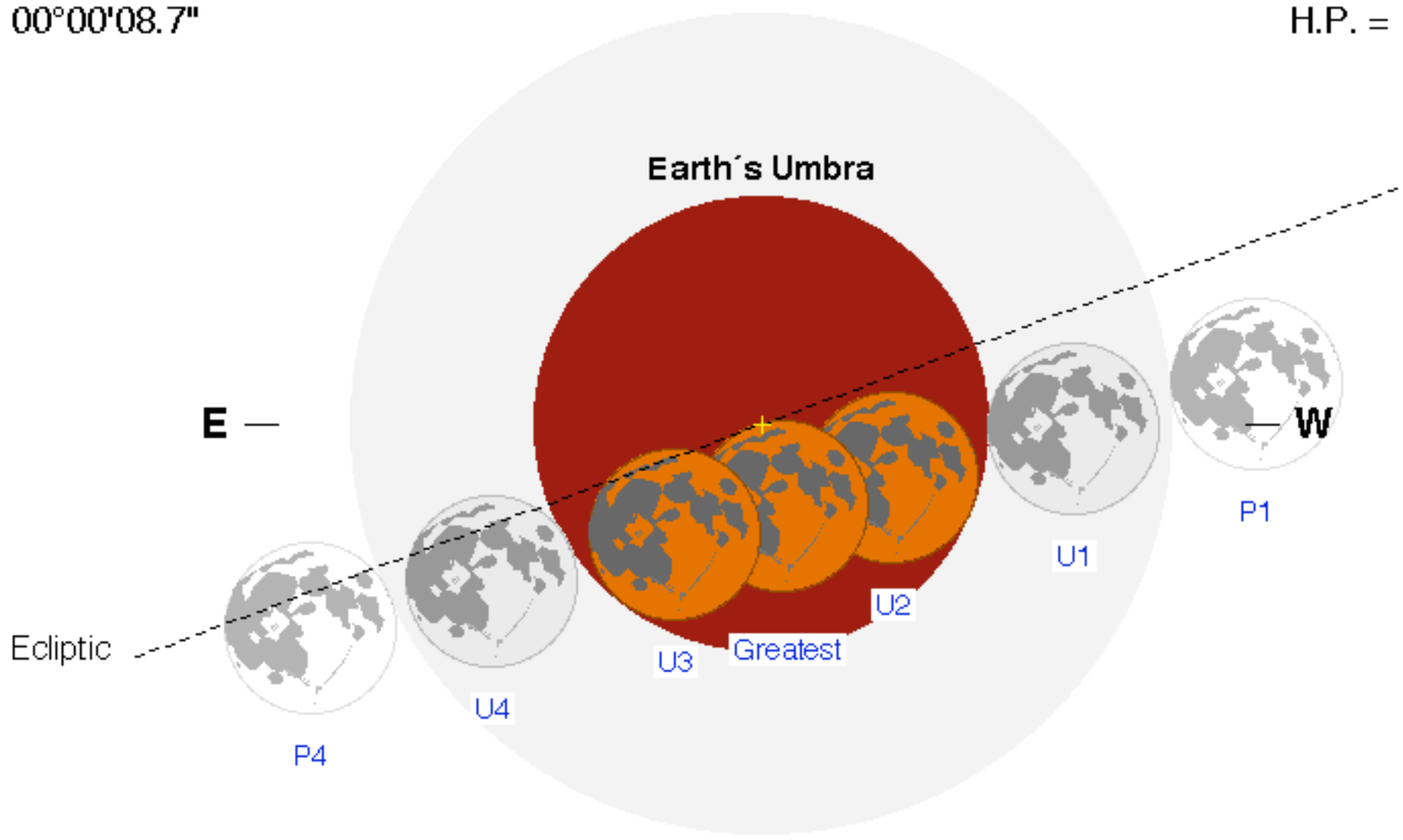
Saros Series = 120 Member = 52 of 84

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

R.A. = 01h58m08.1s
Dec. = +12°04'10.0"
S.D. = 00°15'54.3"
H.P. = 00°00'08.7"

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

R.A. = 13h57m53.1s
Dec. = -12°18'21.2"
S.D. = 00°14'53.9"
H.P. = 00°54'40.7"



<u>Eclipse Durations</u>

Penumbral = 06h04m19s
Umbral = 03h44m37s
Total = 01h24m36s

ΔT = 0 s
Rule = CdT (Danjon)
Eph. = VSOP87/ELP2000-85

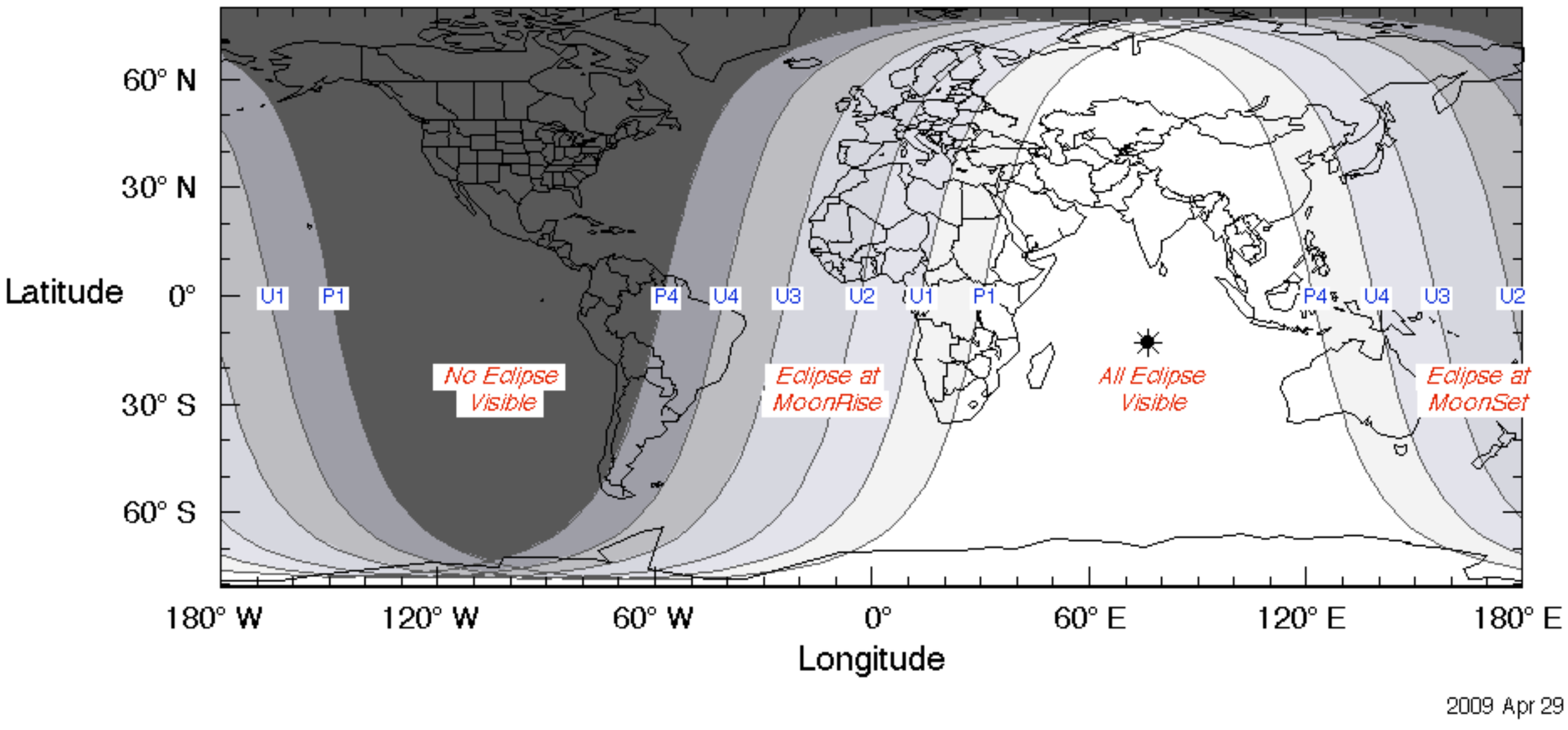
S

0 15 30 45 60
Arc-Minutes

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

<u>Eclipse Contacts</u>

P1 = 15:50:33 UT
U1 = 17:00:20 UT
U2 = 18:10:21 UT
U3 = 19:34:58 UT
U4 = 20:44:58 UT
P4 = 21:54:51 UT



2009 Apr 29