Total Lunar Eclipse of 1975 Nov 18

Ecliptic Conjunction = 22:29:01.0 TD (= 22:28:14.6 UT)
Greatest Eclipse = 22:24:12.5 TD (= 22:23:26.1 UT)

Penumbral Magnitude = 2.1352 P. Radius = 1.2056° Gamma = -0.4134
Umbral Magnitude = 1.0642 U. Radius = 0.6662° Axis = 0.3821°

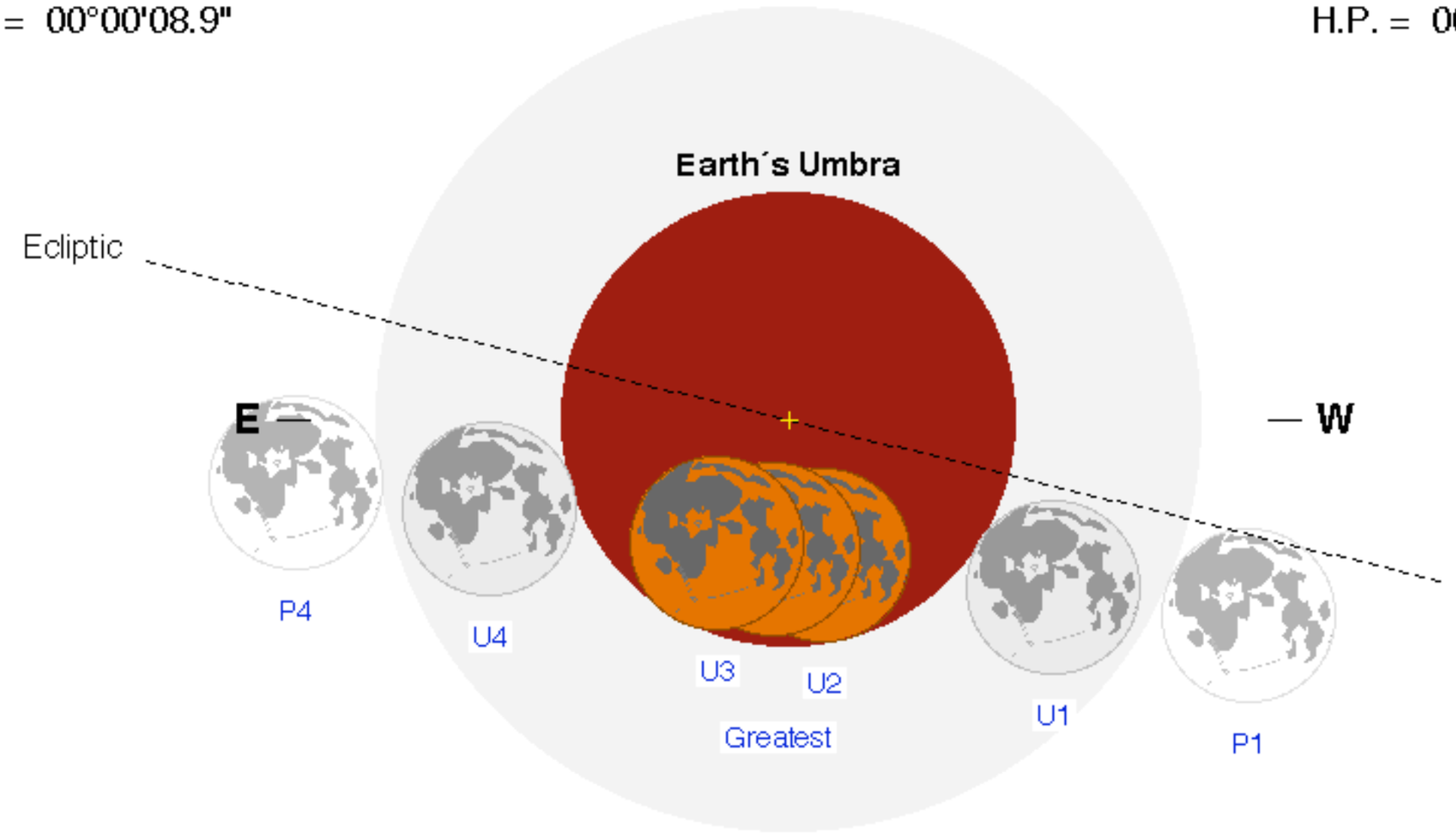
Saros Series = 135 Member = 21 of 71

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

R.A. = 15h34m32.1s
Dec. = -19°14'45.6"
S.D. = 00°16'10.9"
H.P. = 00°00'08.9"

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

R.A. = 03h34m45.4s
Dec. = +18°52'03.2"
S.D. = 00°15'06.6"
H.P. = 00°55'27.2"



<u>Eclipse Durations</u>

Penumbral = 05h52m07s
Umbral = 03h29m00s
Total = 00h40m11s

ΔT = 46 s
Rule = CdT (Danjon)
Eph. = VSOP87/ELP2000-85

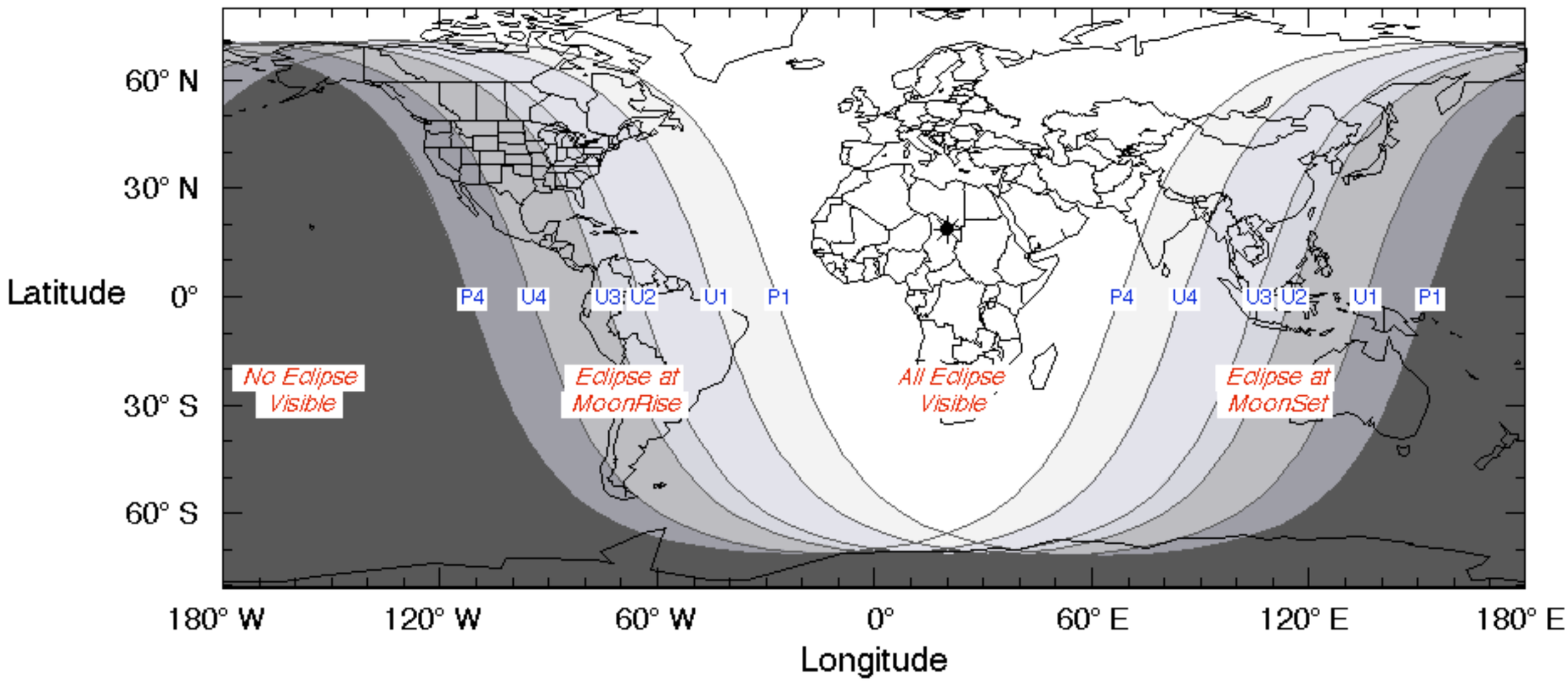
S

0 15 30 45 60
Arc-Minutes

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

<u>Eclipse Contacts</u>

P1 = 19:27:20 UT
U1 = 20:38:57 UT
U2 = 22:03:22 UT
U3 = 22:43:33 UT
U4 = 00:07:58 UT
P4 = 01:19:27 UT



2009 Apr 29