Partial Lunar Eclipse of 2079 Apr 16

Ecliptic Conjunction = 05:05:08.2 TD (= 05:02:33.1 UT)
Greatest Eclipse = 05:10:45.0 TD (= 05:08:09.8 UT)

Penumbral Magnitude = 2.0100 P. Radius = 1.1931° Gamma = 0.4799
Umbral Magnitude = 0.9451 U. Radius = 0.6617° Axis = 0.4395°

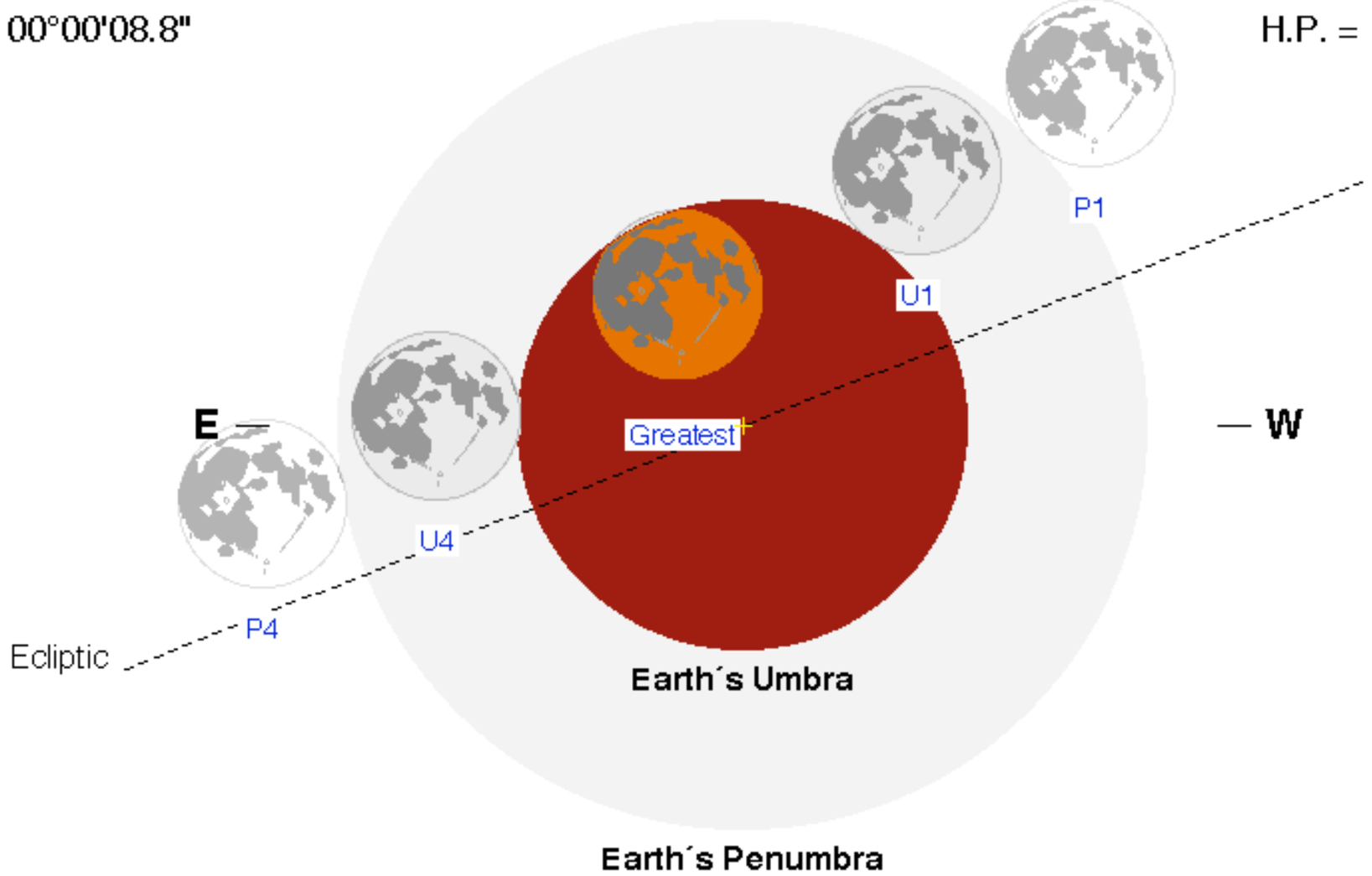
Saros Series = 123 Member = 56 of 73

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

R.A. = 01h37m57.0s
Dec. = +10°11'02.2"
S.D. = 00°15'56.6"
H.P. = 00°00'08.8"

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

R.A. = 13h38m45.5s
Dec. = -09°47'31.3"
S.D. = 00°14'58.3"
H.P. = 00°54'56.8"



<u>Eclipse Durations</u>

Penumbral = 05h50m05s
Umbral = 03h23m23s

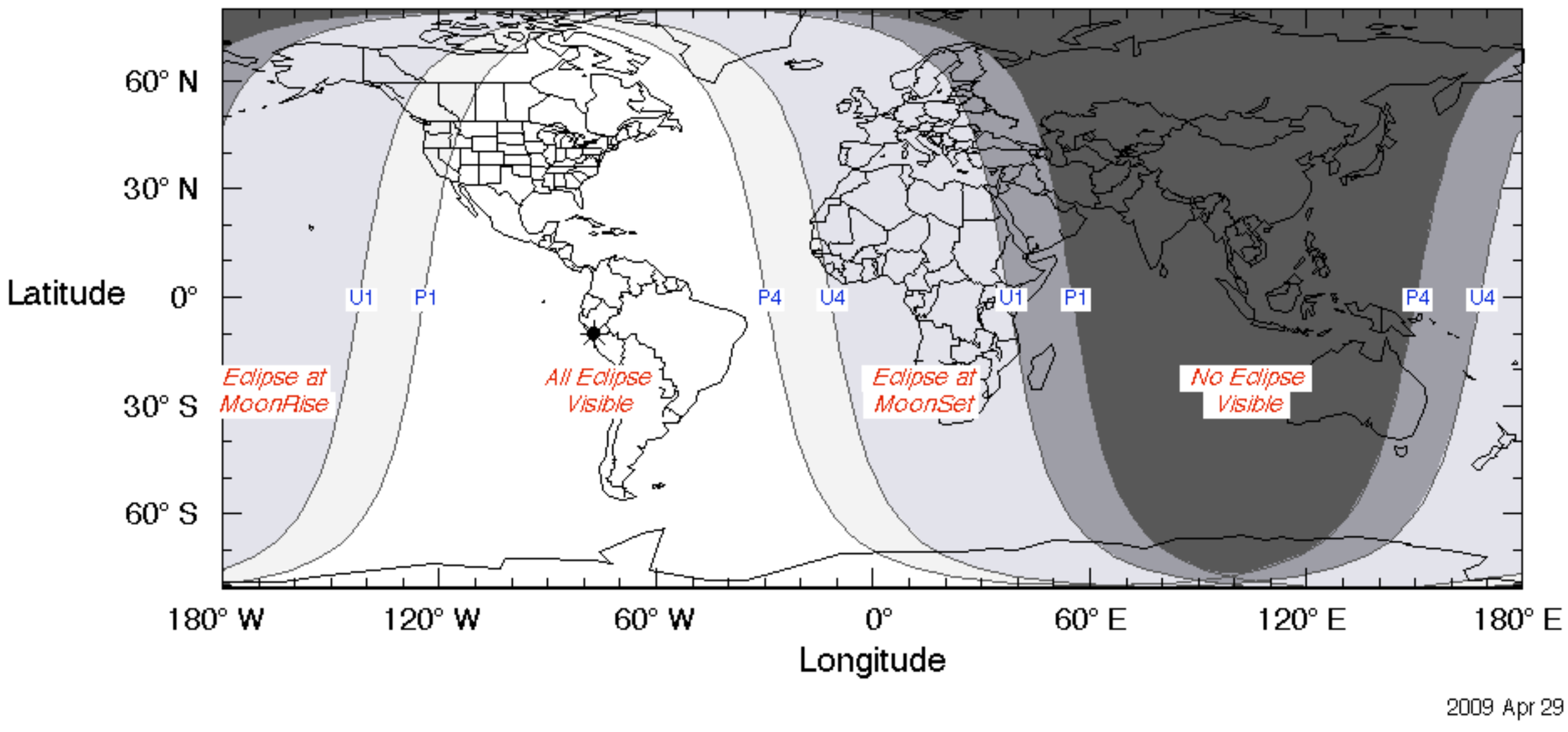
ΔT = 155 s
Rule = CdT (Danjon)
Eph. = VSOP87/ELP2000-85

0 15 30 45 60
Arc-Minutes

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

<u>Eclipse Contacts</u>

P1 = 02:13:08 UT
U1 = 03:26:26 UT
U4 = 06:49:50 UT
P4 = 08:03:13 UT



2009 Apr 29