Total Lunar Eclipse of 1982 Jul 06

Ecliptic Conjunction = 07:32:28.5 TD (= 07:31:35.8 UT)
Greatest Eclipse = 07:31:47.1 TD (= 07:30:54.5 UT)

Penumbral Magnitude = 2.7860 P. Radius = 1.1745° Gamma = -0.0579
Umbral Magnitude = 1.7179 U. Radius = 0.6502° Axis = 0.0522°

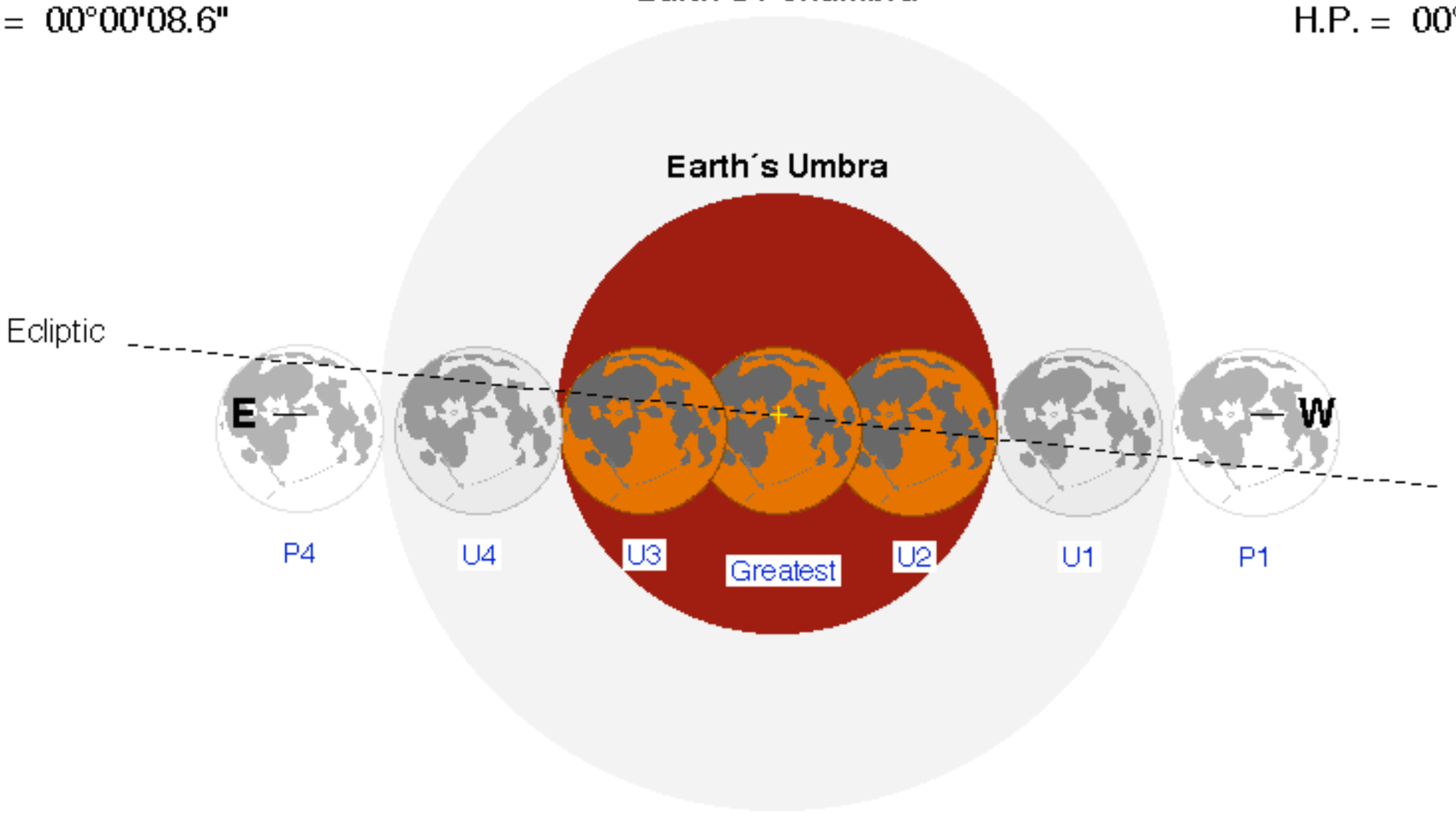
Saros Series = 129 Member = 36 of 71

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

R.A. = 07h00m26.1s
Dec. = +22°42'50.6"
S.D. = 00°15'43.9"
H.P. = 00°00'08.6"

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

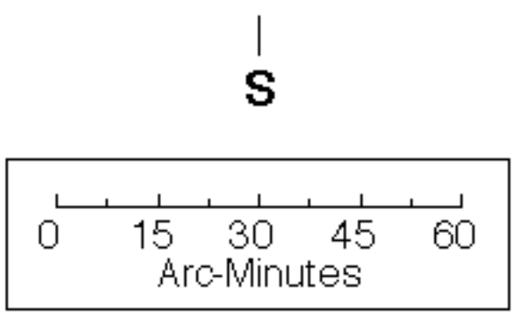
R.A. = 19h00m26.1s
Dec. = -22°45'58.4"
S.D. = 00°14'43.7"
H.P. = 00°54'03.4"



<u>Eclipse Durations</u>

Penumbral = 06h13m51s
Umbral = 03h55m35s
Total = 01h45m44s

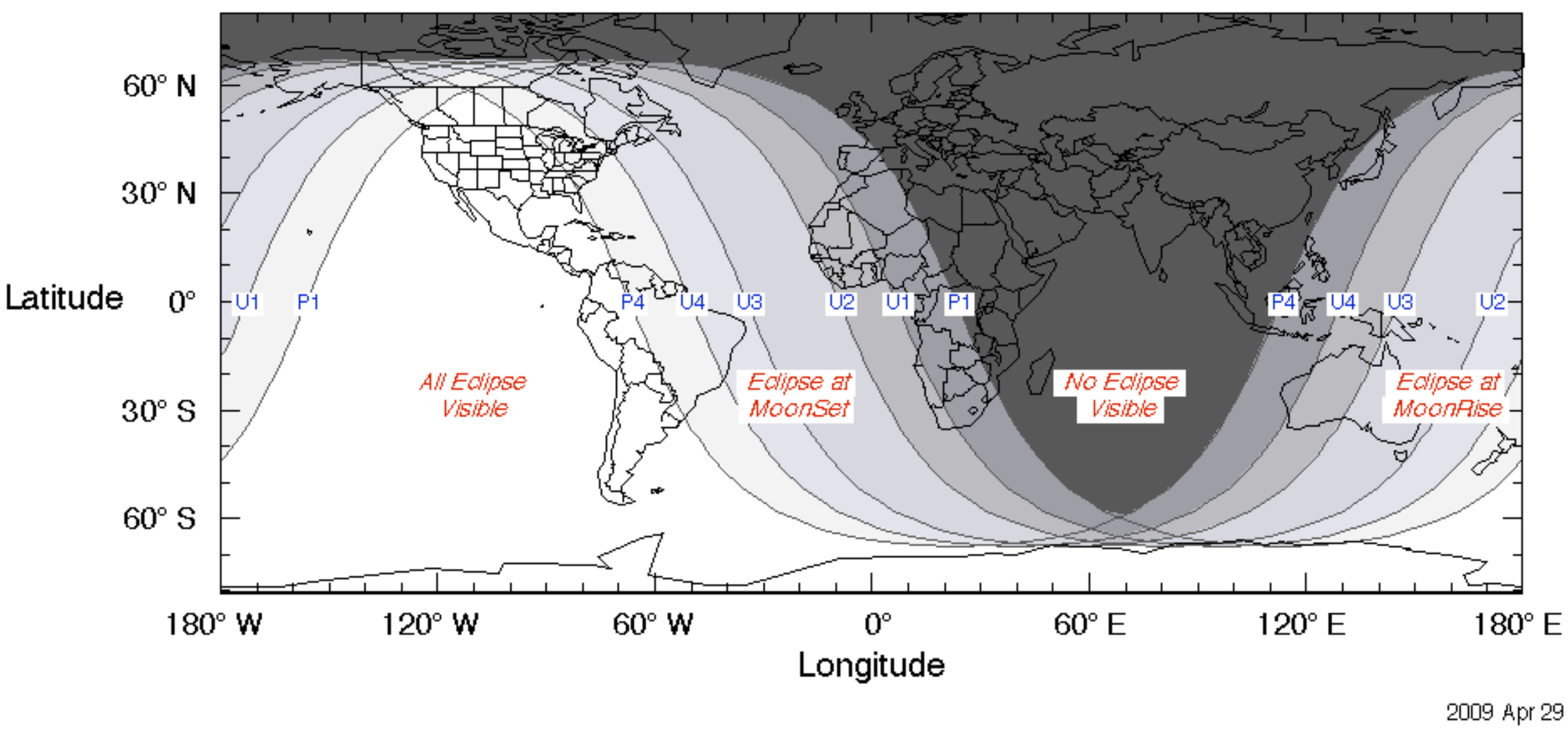
ΔT = 53 s
Rule = CdT (Danjon)
Eph. = VSOP87/ELP2000-85



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

<u>Eclipse Contacts</u>

P1 = 04:23:58 UT
U1 = 05:33:07 UT
U2 = 06:38:03 UT
U3 = 08:23:47 UT
U4 = 09:28:42 UT
P4 = 10:37:49 UT



2009 Apr 29