Total Lunar Eclipse of 1939 May 03

Ecliptic Conjunction = 15:15:45.0 TD (= 15:15:20.8 UT)
Greatest Eclipse = 15:11:42.6 TD (= 15:11:18.4 UT)

Penumbral Magnitude = 2.1842 P. Radius = 1.2394° Gamma = 0.3693
Umbral Magnitude = 1.1765 U. Radius = 0.7106° Axis = 0.3556°

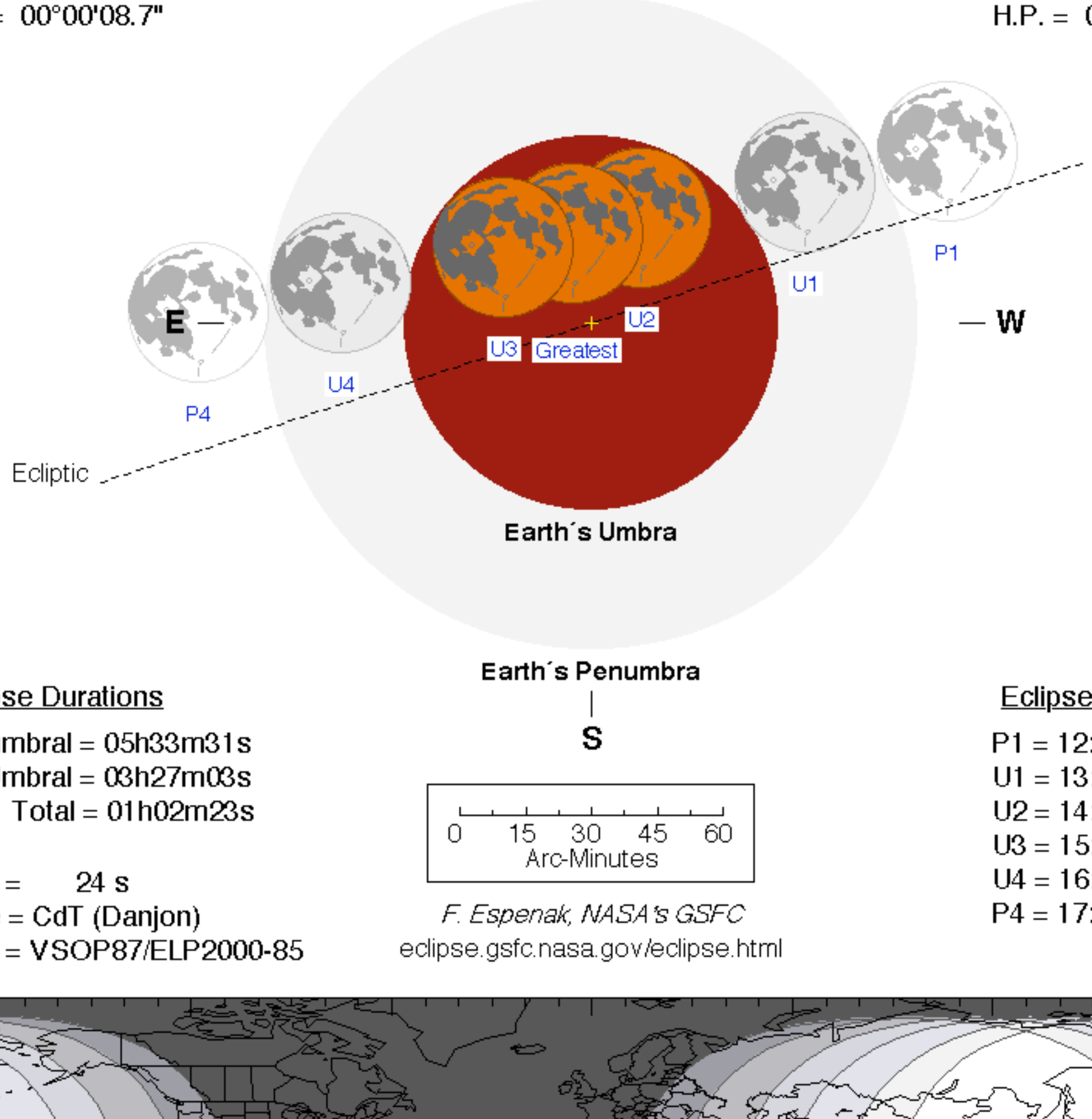
Saros Series = 130 Member = 30 of 72

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

R.A. = 02h39m22.9s
Dec. = +15°31'43.2"
S.D. = 00°15'51.8"
H.P. = 00°00'08.7"

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

R.A. = 14h39m41.4s
Dec. = -15°10'51.4"
S.D. = 00°15'44.6"
H.P. = 00°57'46.6"



<u>Eclipse Durations</u>

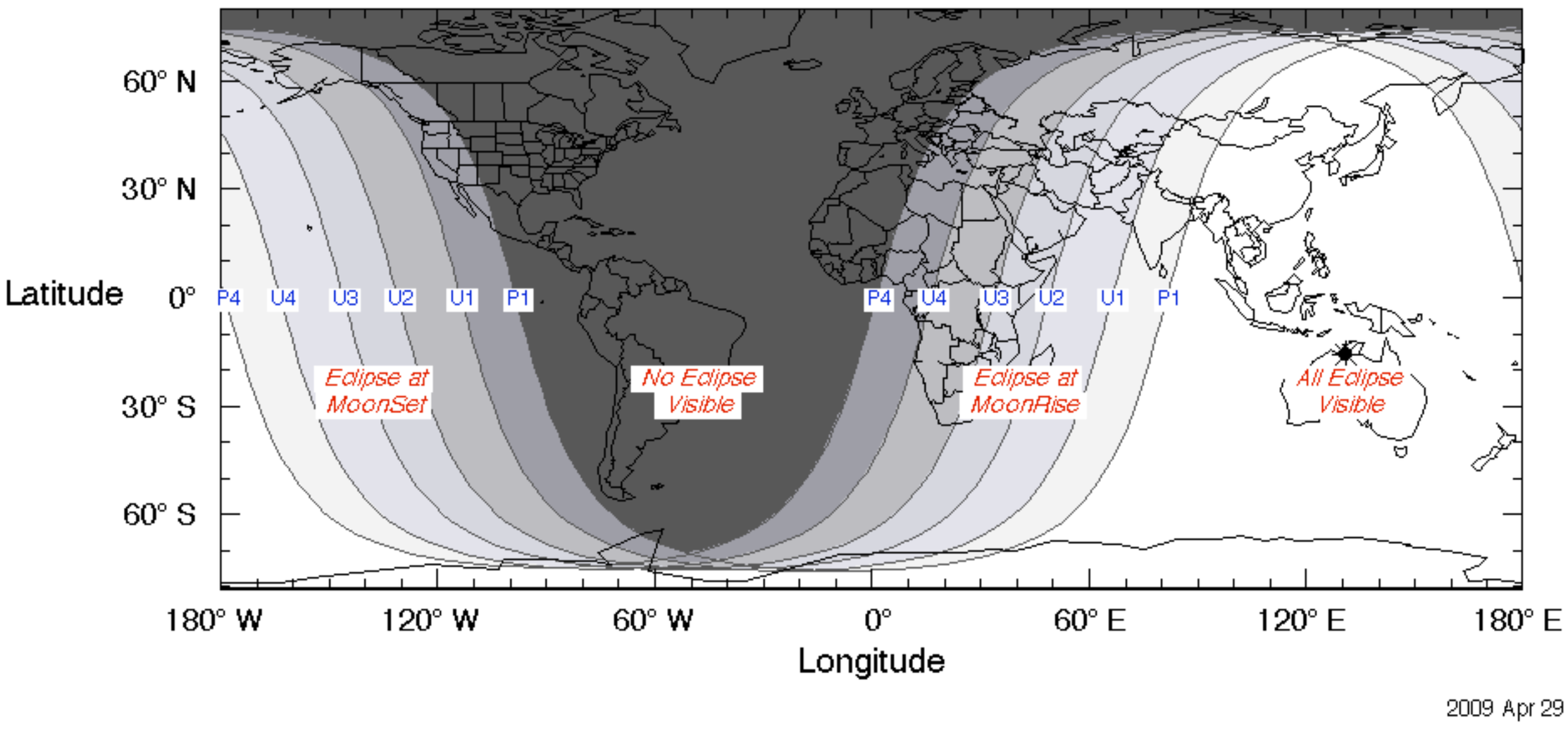
Penumbral = 05h33m31s
Umbral = 03h27m03s
Total = 01h02m23s

ΔT = 24 s
Rule = CdT (Danjon)
Eph. = VSOP87/ELP2000-85

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

<u>Eclipse Contacts</u>

P1 = 12:24:35 UT
U1 = 13:27:45 UT
U2 = 14:40:06 UT
U3 = 15:42:28 UT
U4 = 16:54:48 UT
P4 = 17:58:06 UT



2009 Apr 29