Partial Lunar Eclipse of 1990 Aug 06

Ecliptic Conjunction = 14:20:22.5 TD (= 14:19:25.2 UT)
Greatest Eclipse = 14:13:15.6 TD (= 14:12:18.3 UT)

Penumbral Magnitude = 1.7005 P. Radius = 1.2168° Gamma = 0.6374
Umbral Magnitude = 0.6766 U. Radius = 0.6911° Axis = 0.6004°

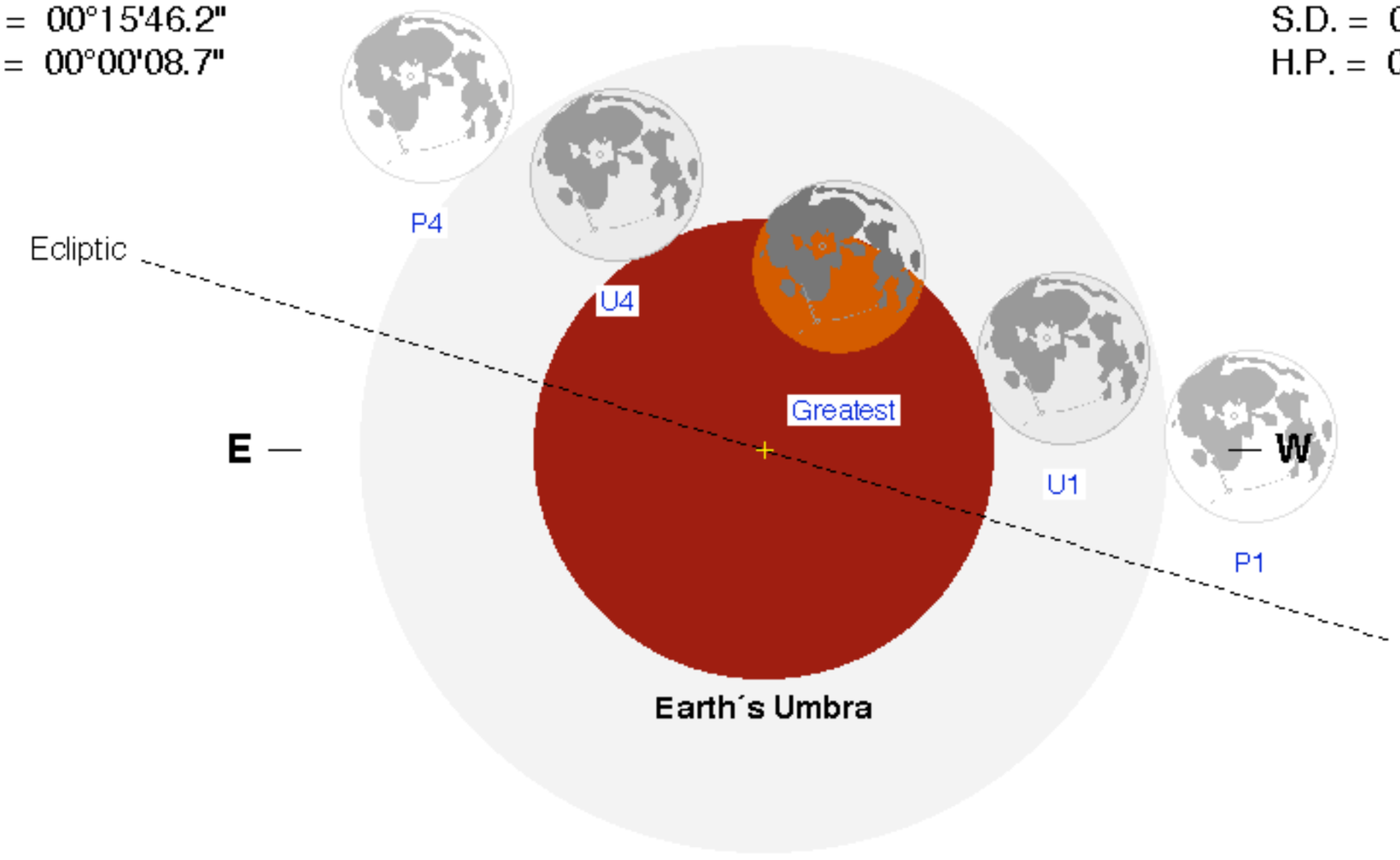
Saros Series = 138 Member = 28 of 83

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

R.A. = 09h05m18.6s
Dec. = +16°40'08.3"
S.D. = 00°15'46.2"
H.P. = 00°00'08.7"

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

R.A. = 21h04m21.5s
Dec. = -16°06'49.0"
S.D. = 00°15'24.1"
H.P. = 00°56'31.6"



<u>Eclipse Durations</u>

Penumbral = 05h22m02s
Umbral = 02h55m31s

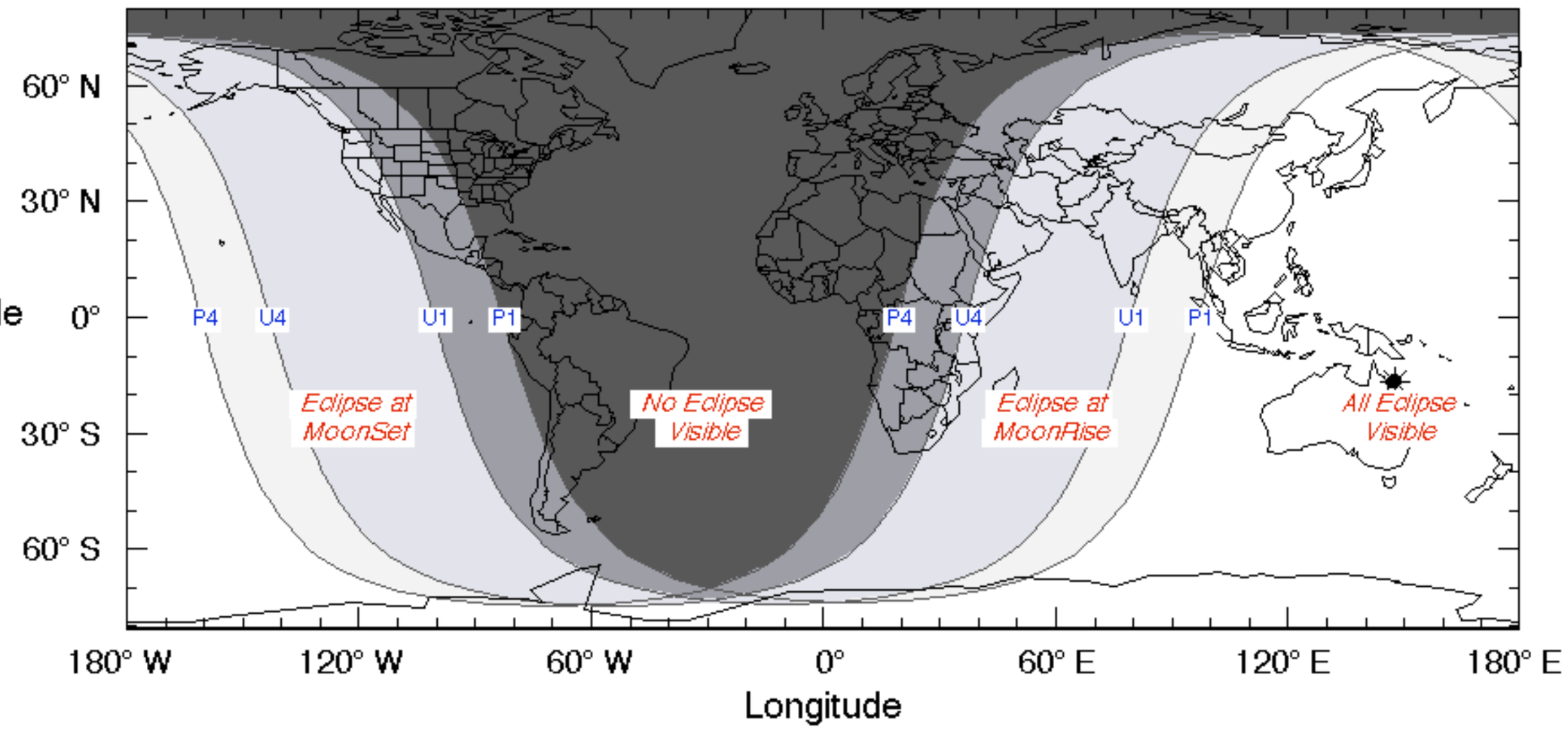
ΔT = 57 s
Rule = CdT (Danjon)
Eph. = VSOP87/ELP2000-85

0 15 30 45 60
Arc-Minutes

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

<u>Eclipse Contacts</u>

P1 = 11:31:17 UT
U1 = 12:44:36 UT
U4 = 15:40:08 UT
P4 = 16:53:19 UT



2009 Apr 29