Partial Lunar Eclipse of 1948 Apr 23

Ecliptic Conjunction = 13:28:45.3 TD (= 13:28:16.9 UT)
Greatest Eclipse = 13:39:17.9 TD (= 13:38:49.6 UT)

Penumbral Magnitude = 1.0171 P. Radius = 1.2556° Gamma = 1.0016
Umbral Magnitude = 0.0229 U. Radius = 0.7255° Axis = 0.9799°

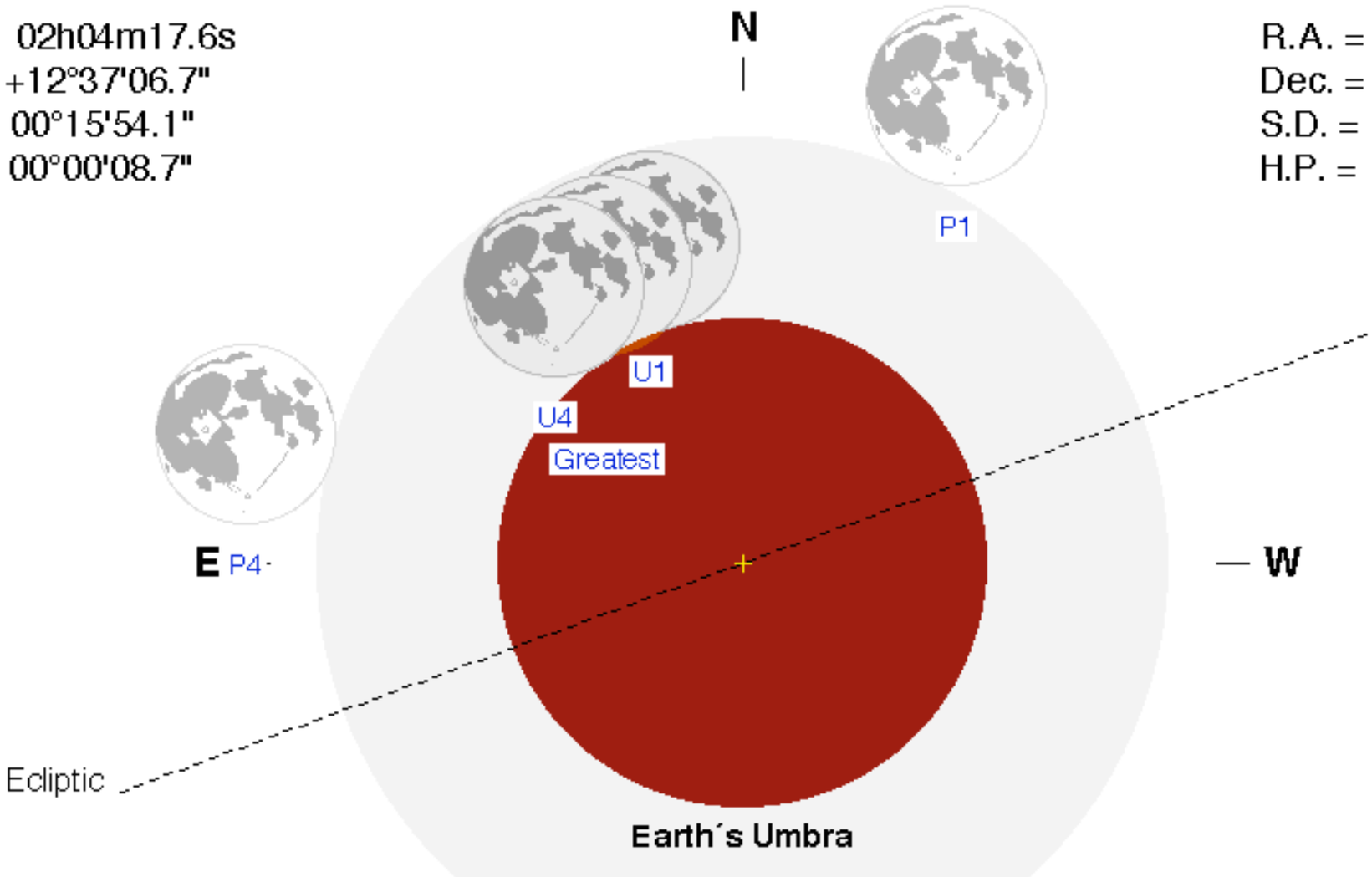
Saros Series = 111 Member = 63 of 71

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

R.A. = 02h04m17.6s
Dec. = +12°37'06.7"
S.D. = 00°15'54.1"
H.P. = 00°00'08.7"

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

R.A. = 14h06m00.9s
Dec. = -11°44'01.2"
S.D. = 00°15'59.7"
H.P. = 00°58'42.0"



<u>Eclipse Durations</u>

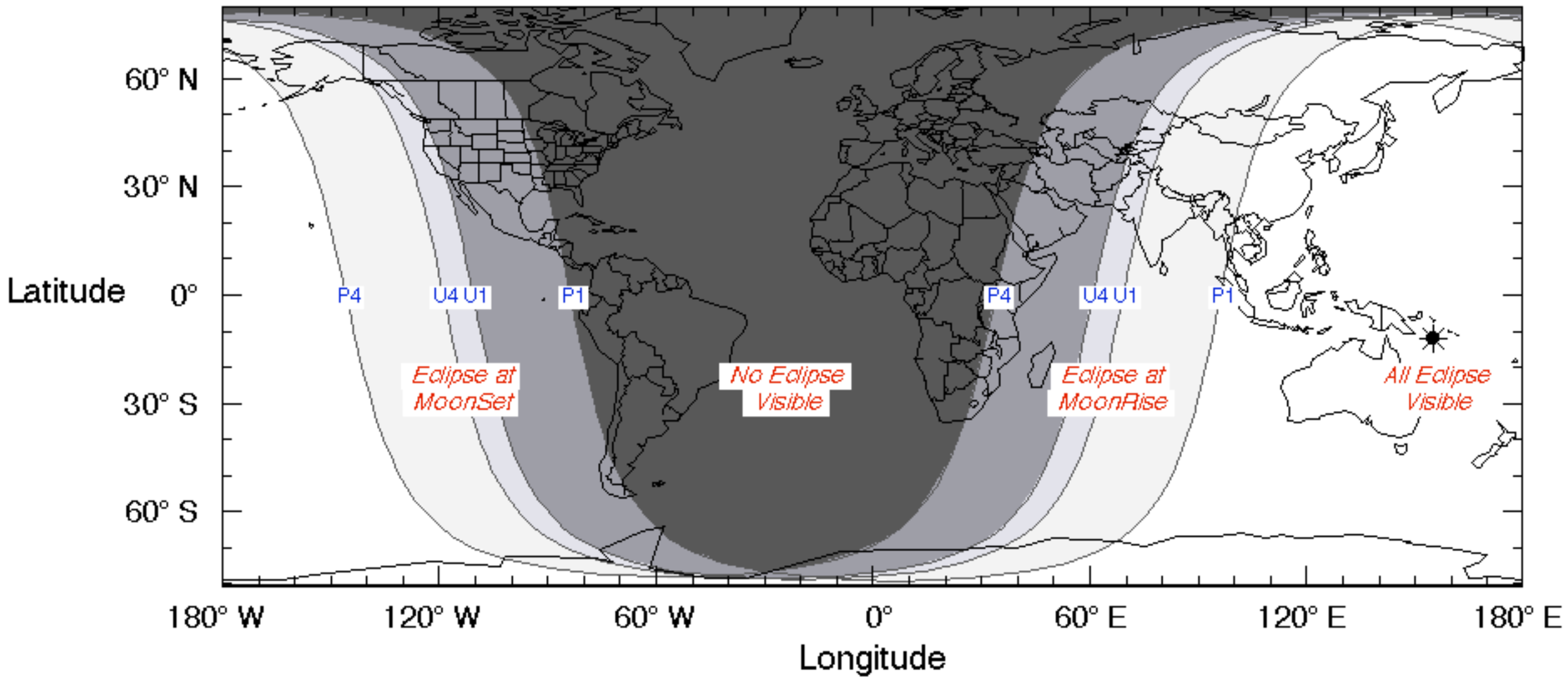
Penumbral = 04h17m35s
Umbral = 00h34m21s

ΔT = 28 s
Rule = CdT (Danjon)
Eph. = VSOP87/ELP2000-85

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

<u>Eclipse Contacts</u>

P1 = 11:29:58 UT
U1 = 13:21:33 UT
U4 = 13:55:54 UT
P4 = 15:47:34 UT



2009 Apr 29