Partial Lunar Eclipse of 2028 Jul 06

Ecliptic Conjunction = 18:11:58.6 TD (= 18:10:42.0 UT)
Greatest Eclipse = 18:20:57.0 TD (= 18:19:40.5 UT)

Penumbral Magnitude = 1.4266 P. Radius = 1.2015° Gamma = -0.7903
Umbral Magnitude = 0.3892 U. Radius = 0.6771° Axis = 0.7331°

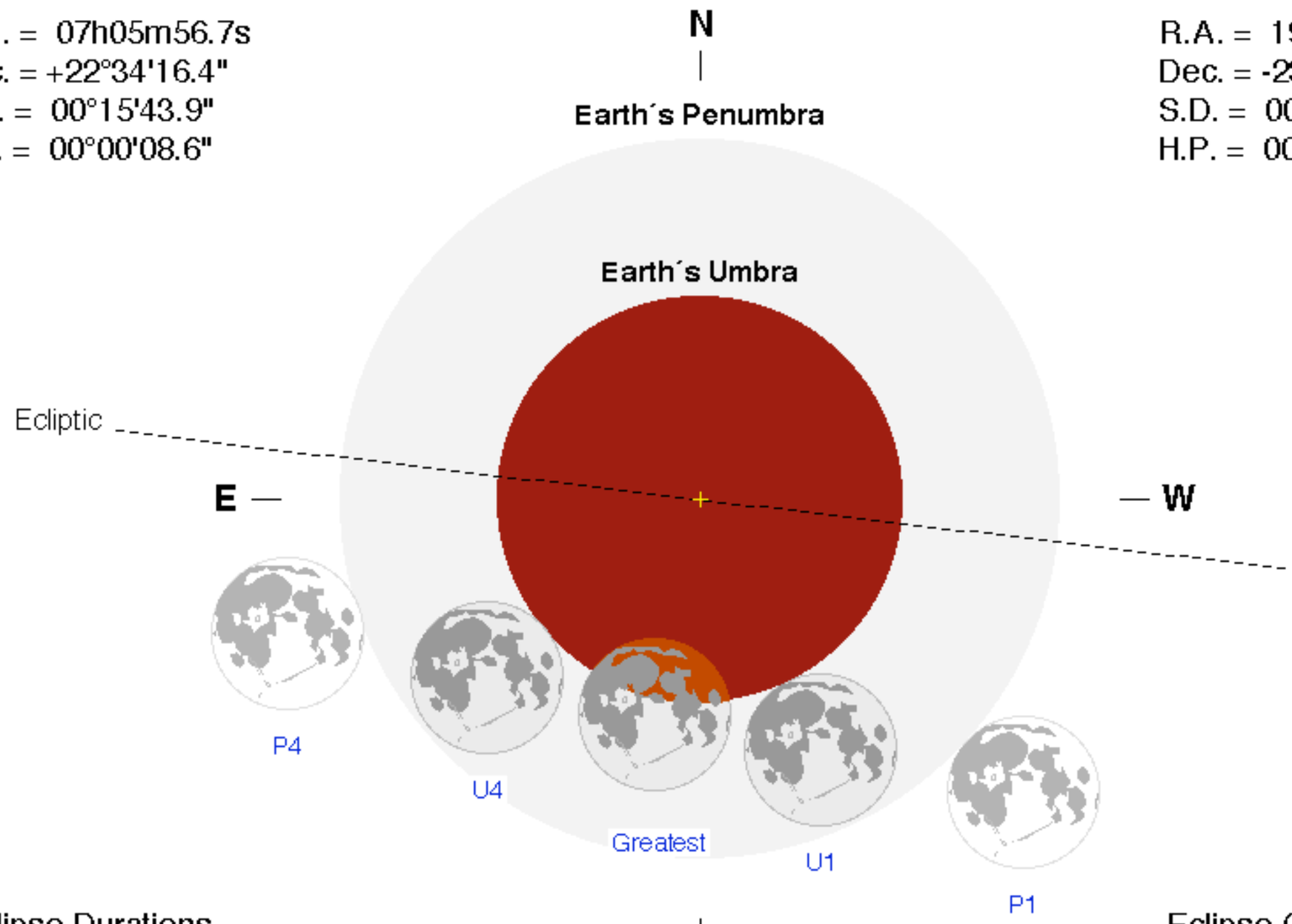
Saros Series = 120 Member = 59 of 84

Sun at Greatest Eclipse
(Geocentric Coordinates)

R.A. = 07h05m56.7s
Dec. = +22°34'16.4"
S.D. = 00°15'43.9"
H.P. = 00°00'08.6"

Moon at Greatest Eclipse
(Geocentric Coordinates)

R.A. = 19h06m37.0s
Dec. = -23°17'16.4"
S.D. = 00°15'09.9"
H.P. = 00°55'39.4"



Eclipse Durations

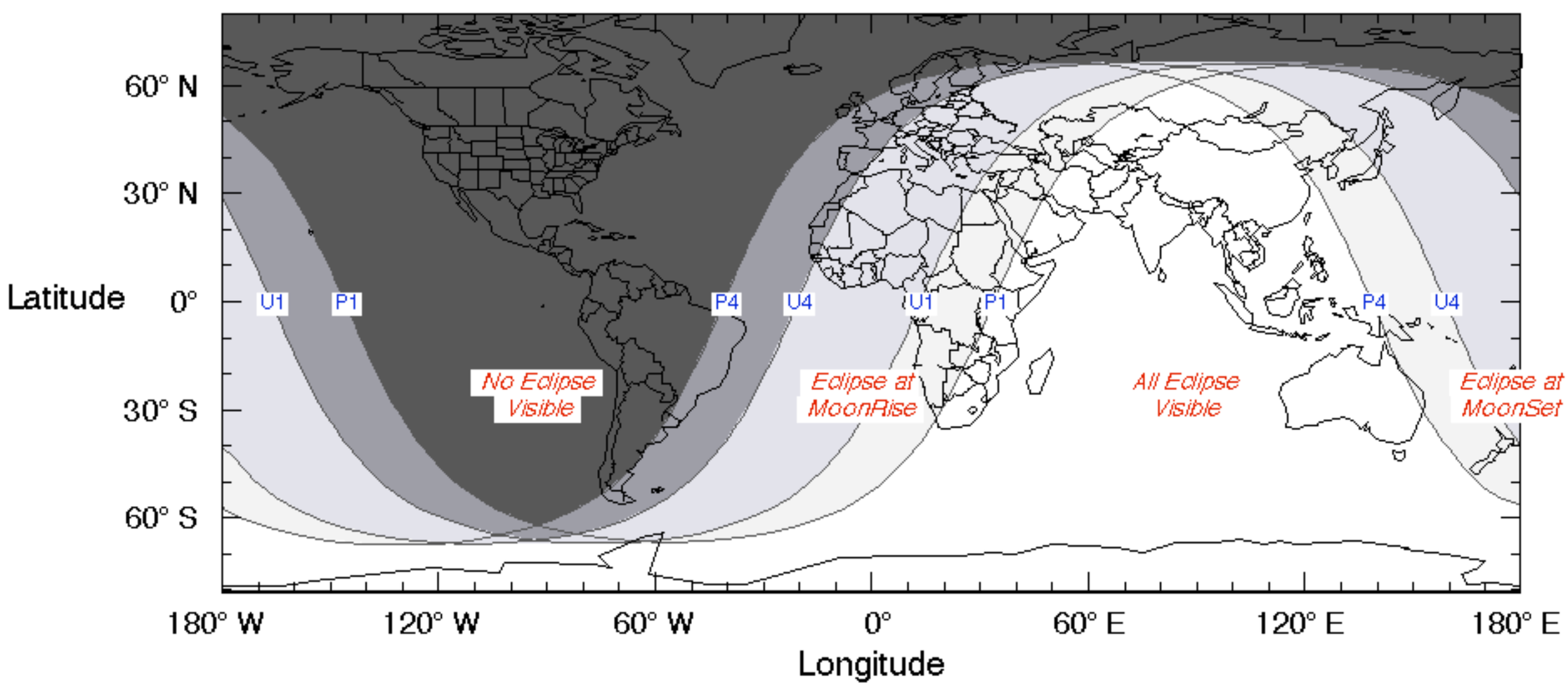
Penumbral = 05h10m38s
Umbral = 02h21m30s

Eclipse Contacts

P1 = 15:44:21 UT
U1 = 17:08:51 UT
U4 = 19:30:21 UT
P4 = 20:54:59 UT

ΔT = 77 s
Rule = CdT (Danjon)
Eph. = VSOP87/ELP2000-85

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



2009 Apr 29