Hybrid Solar Eclipse of 1912 Apr 17

Ecliptic Conjunction = 11:40:06.2 TD (= 11:39:52.7 UT)
Greatest Eclipse = 11:34:22.0 TD (= 11:34:08.4 UT)

Eclipse Magnitude = 1.0003 Gamma = 0.5280

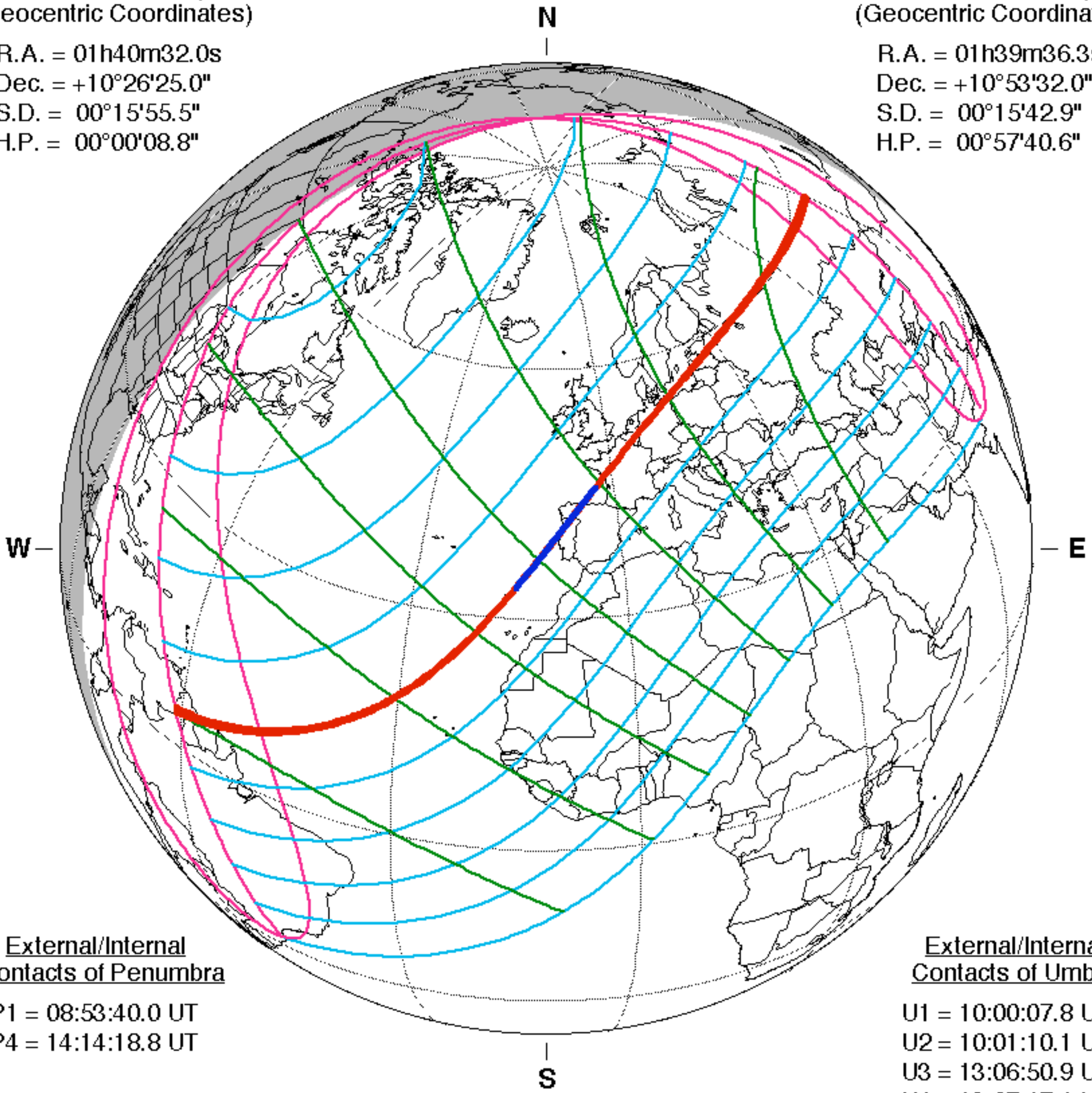
Saros Series = 137 Member = 30 of 70

Sun at Greatest Eclipse
(Geocentric Coordinates)

R.A. = 01h40m32.0s
Dec. = +10°26'25.0"
S.D. = 00°15'55.5"
H.P. = 00°00'08.8"

Moon at Greatest Eclipse
(Geocentric Coordinates)

R.A. = 01h39m36.3s
Dec. = +10°53'32.0"
S.D. = 00°15'42.9"
H.P. = 00°57'40.6"



External/Internal Contacts of Penumbra

P1 = 08:53:40.0 UT
P4 = 14:14:18.8 UT

External/Internal Contacts of Umbra

U1 = 10:00:07.8 UT
U2 = 10:01:10.1 UT
U3 = 13:06:50.9 UT
U4 = 13:07:47.4 UT

Local Circumstances at Greatest Eclipse

Lat. = 38°21.6'N Sun Alt. = 57.9°
Long. = 011°15.0'W Sun Azm. = 145.9°
Path Width = 1.3 km Duration = 00m01.6s

Constants & Ephemeris

ΔT = 13.5 s
k1 = 0.2724880
k2 = 0.2722810
Δb = 0.0" Δl = 0.0"
Eph. = VSOP87/ELP2000-82

0 1000 2000 3000 4000 5000
Kilometers

Geocentric Libration
(Optical + Physical)

l = -5.23°
b = -0.60°
c = -19.64°

Brown Lun. No. = -132

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eclipse.gsfc.nasa.gov/eclipse.html