

Total Solar Eclipse of 2015 Mar 20

Orthographic Projection Map of the Eclipse Path

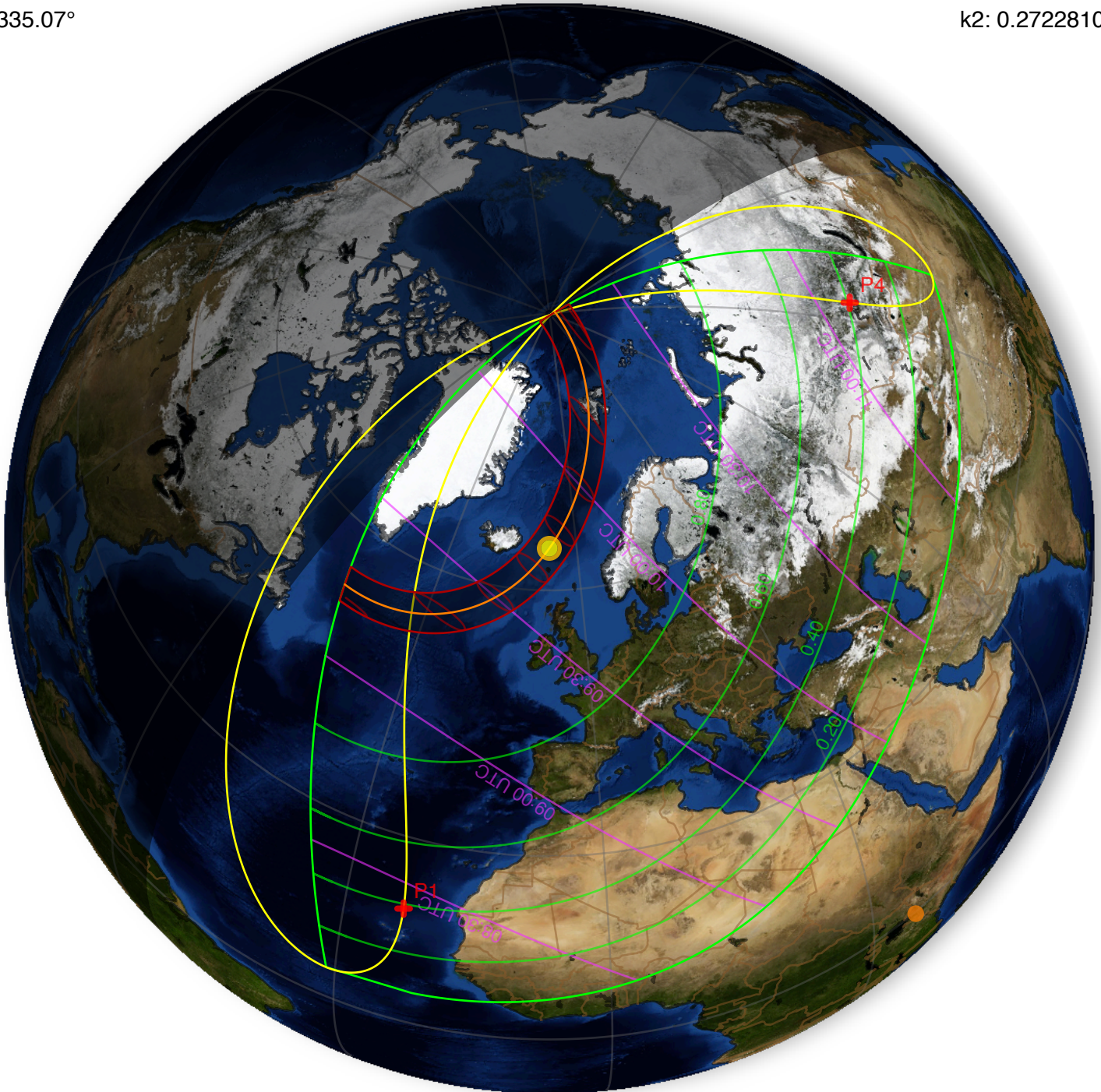
Greatest Eclipse: 09:45:39.1 UT J.D.: 2457101.906702
 Eclipse Magnitude: 1.0446 Gamma: 0.9454
 Saros Series: 120 Member: 61 of 71

Geocentric Libration (O + P):

l: 1.22°
 b: -1.22°
 c: 335.07°

Constants

ΔT : 67.73s
 k1: 0.2724880
 k2: 0.2722810



External/Internal
 Contacts of Umbra

U1: 09:09:32.6 UT
 U2: 09:16:12.1 UT
 U3: 10:14:43.5 UT
 U4: 10:21:22.1 UT

Local Circumstances at Greatest Eclipse

Lat.: 64°25.912'N Sun Alt.: 18.5°
 Lon.: 006°38.798'W Sun Azm.: 135.0°
 Path Width: 462.6km Duration: 2m46.8s

External/Internal
 Contacts of Penumbra

P1: 07:40:51.8 UT
 P4: 11:50:12.7 UT