

Total Solar Eclipse of 2015 Mar 20

Lunar Limb Profile at 10:11:06.9 UTC

Topocentric Libration:

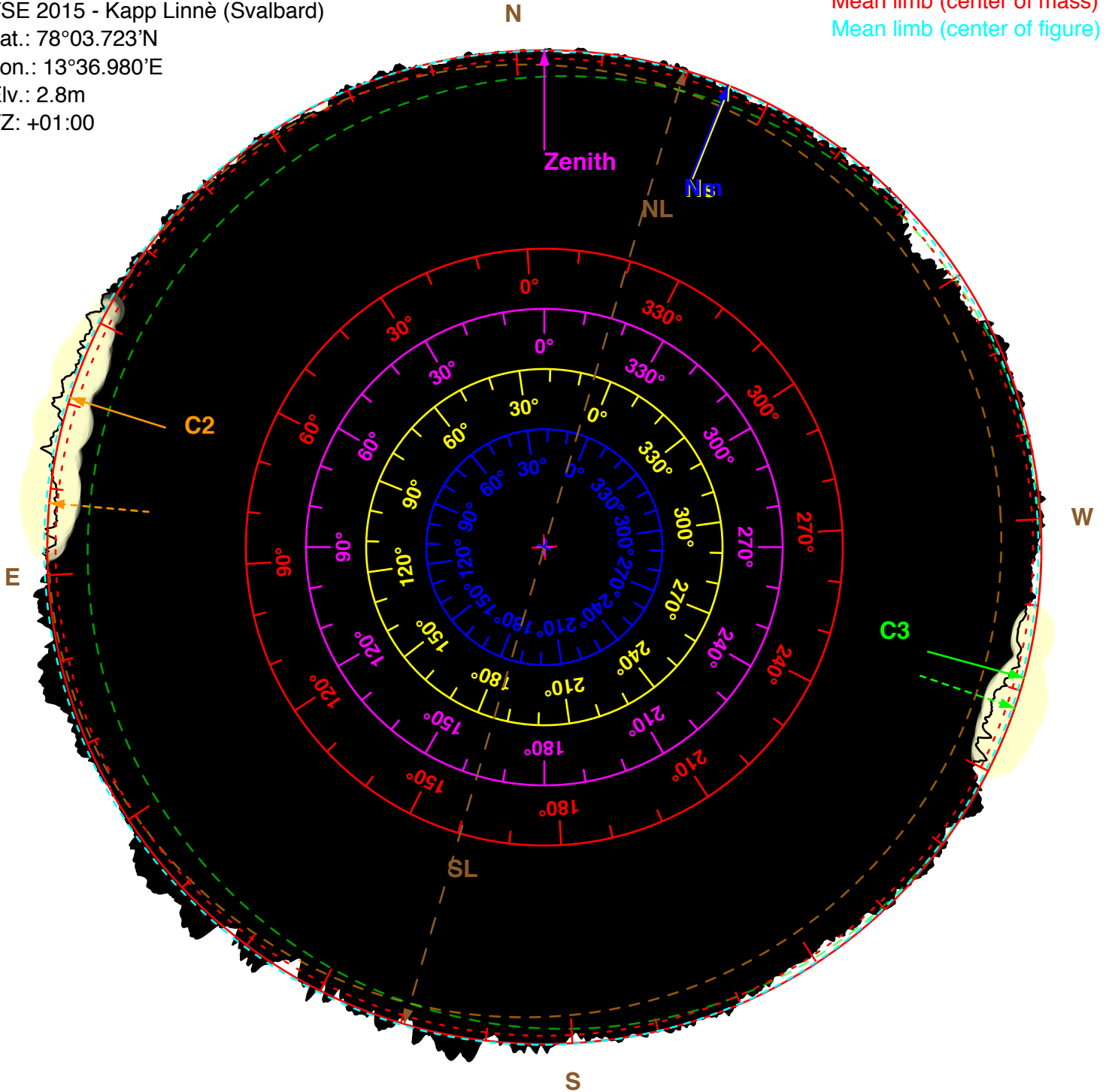
l: 0.89°
 b: -0.26°
 c: 335.08°

Moon/Sun Diameter Ratio: 1.0431

ΔT : 67.73s
 dUT1: -0.55s

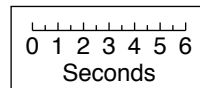
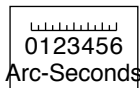
Ns = solar north axis
 Nm = lunar north axis
 C2 = 2nd contact
 C3 = 3rd contact
 Zn = observer's zenith
 Mean limb (center of mass)
 Mean limb (center of figure)

Observer:
 TSE 2015 - Kapp Linnè (Svalbard)
 Lat.: 78°03.723'N
 Lon.: 13°36.980'E
 Elv.: 2.8m
 TZ: +01:00



Uncorrected Contacts:

C1: 09:11:03.4 UTC
 C2: 10:09:52.0 UTC
 C3: 10:12:21.7 UTC
 C4: 11:11:34.0 UTC



Mean Duration: 2m29.7s

Corrected Duration: 2m28.3s (-1.4s)

Limb Corrected Contacts (Kaguya/LRO):

C2': 10:09:50.6 UTC (-1.4s)
 C3': 10:12:18.9 UTC (-2.8s)

Solar Eclipse Maestro - Xavier M. Jubier
<http://xjubier.free.fr>

Baily's Beads: $\pm 3.0s$