

Total Solar Eclipse of 2015 Mar 20

Lunar Limb Profile at 10:11:57.7 UTC

Topocentric Libration:

l: 0.88°
 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:

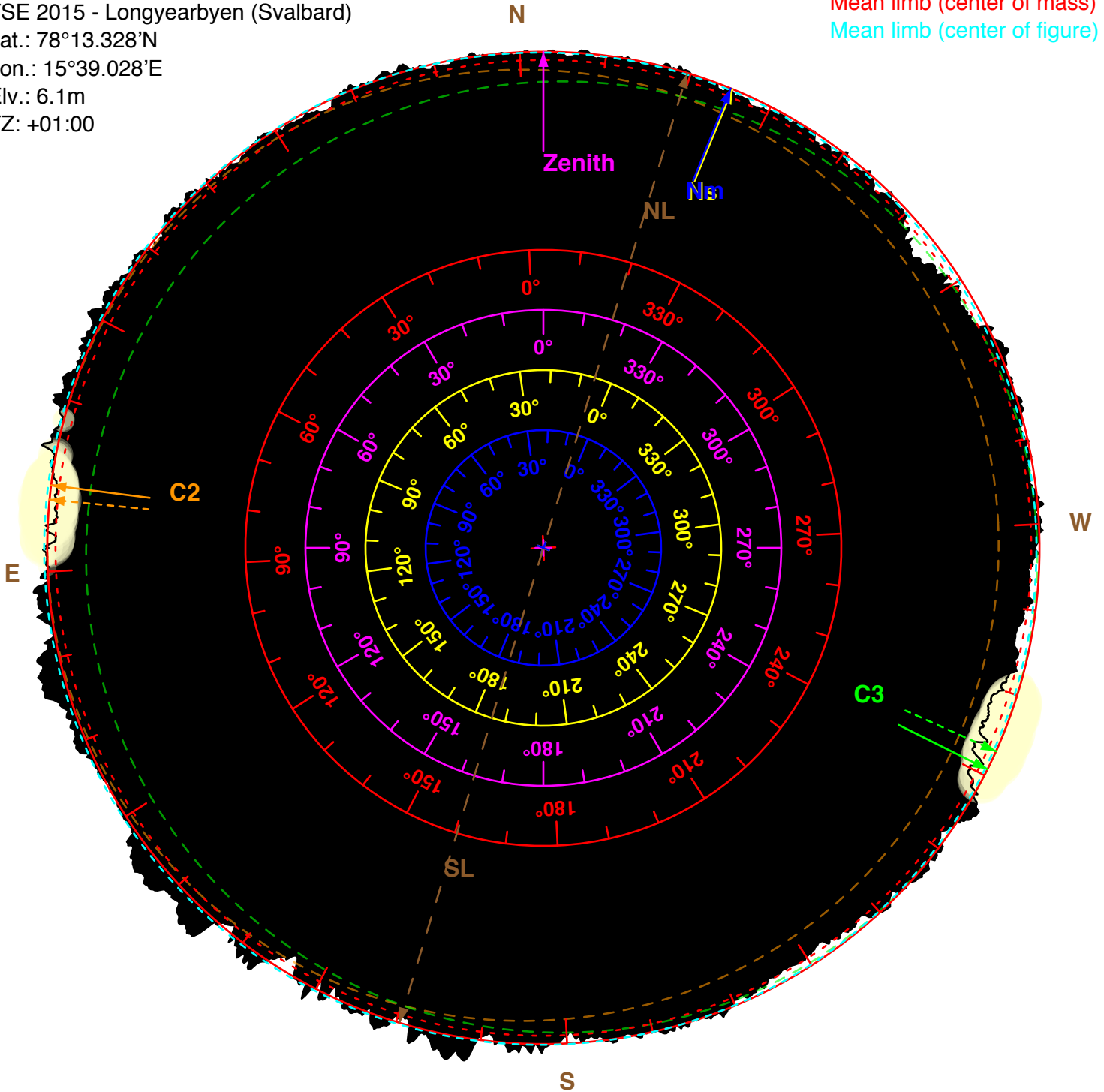
TSE 2015 - Longyearbyen (Svalbard)

Lat.: 78°13.328'N

Lon.: 15°39.028'E

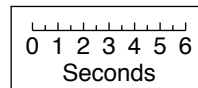
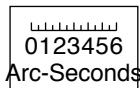
Elv.: 6.1m

TZ: +01:00



Uncorrected Contacts:

C1: 09:11:53.6 UTC
 C2: 10:10:43.9 UTC
 C3: 10:13:11.5 UTC
 C4: 11:12:21.9 UTC



Mean Duration: 2m27.5s

Corrected Duration: 2m24.4s (-3.1s)

Limb Corrected Contacts (Kaguya/LRO):

C2': 10:10:44.3 UTC (+0.4s)
 C3': 10:13:08.7 UTC (-2.8s)

Solar Eclipse Maestro - Xavier M. Jubier

(<http://xjubier.free.fr>)

Baily's Beads: $\pm 3.0s$