

Total Solar Eclipse of 2012 Nov 13

Lunar Limb Profile at 20:39:25.5 UTC

Topocentric Libration:

l: -0.23°

b: 0.14°

c: 16.49°

Observer:

Lat.: 16°47.024'S

Lon.: 145°41.909'E

Elev.: 20.0m

Moon/Sun Diameter Ratio: 1.0379

ΔT : 66.85s

dUT1: 0.34s

Nm = lunar north axis

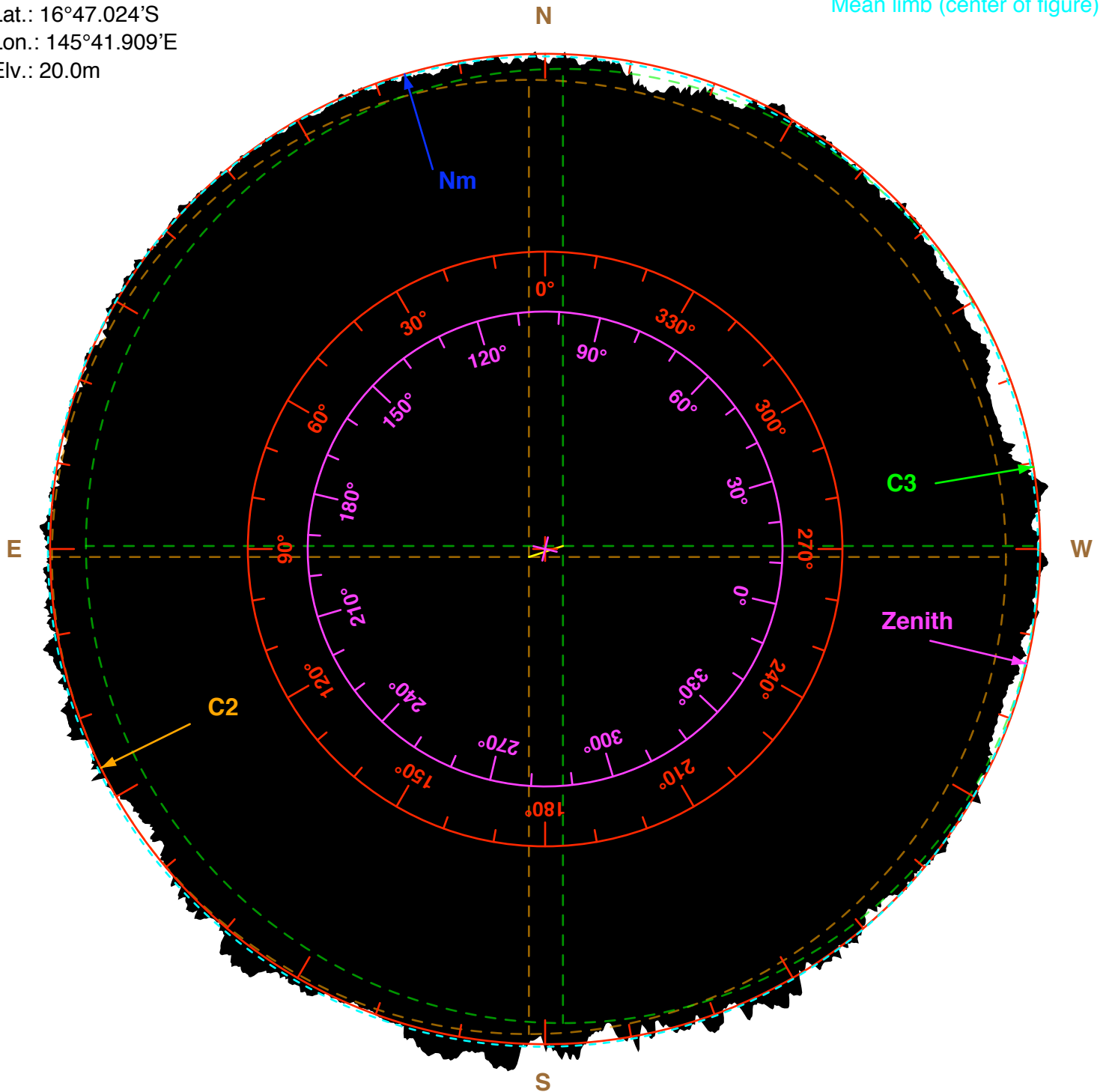
C2 = 2nd contact

C3 = 3rd contact

Zn = observer's zenith

Mean limb (center of mass)

Mean limb (center of figure)



Uncorrected Contacts:

C1: 19:44:38.9 UTC

C2: 20:38:23.6 UTC

C3: 20:40:27.8 UTC

C4: 21:40:09.6 UTC

Mean Duration: 2m04.2s

Corrected Duration: 2m01.1s (-3.0s)

Limb Corrected Contacts (Kaguya/LRO):

C2': 20:38:23.9 UTC (+0.3s)

C3': 20:40:25.0 UTC (-2.8s)

Solar Eclipse Maestro - Xavier M. Jubier

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