



Contribution ID: 391

Type: Poster

## CN2 profiles from a turbulence-resolving model

Optical turbulence, occurring mostly in the planetary boundary layer (PBL), degrades geodetic data. Site characterisation requires knowledge of the vertical distribution of optical turbulence, the CN2 profile. A CN2 profile, obtained by employing a database of turbulence-resolving simulations, is compared with an observational profile.

**Primary author:** Mrs NICKOLA, Marisa (HartRAO and UP)

**Co-authors:** Prof. DJOLOV, George (University of Pretoria (UP)); Dr ESAU, Igor (Nansen Environmental and Remote Sensing Center (NERSC))

**Presenter:** Mrs NICKOLA, Marisa (HartRAO and UP)

**Track Classification:** Track D2 - Space Science