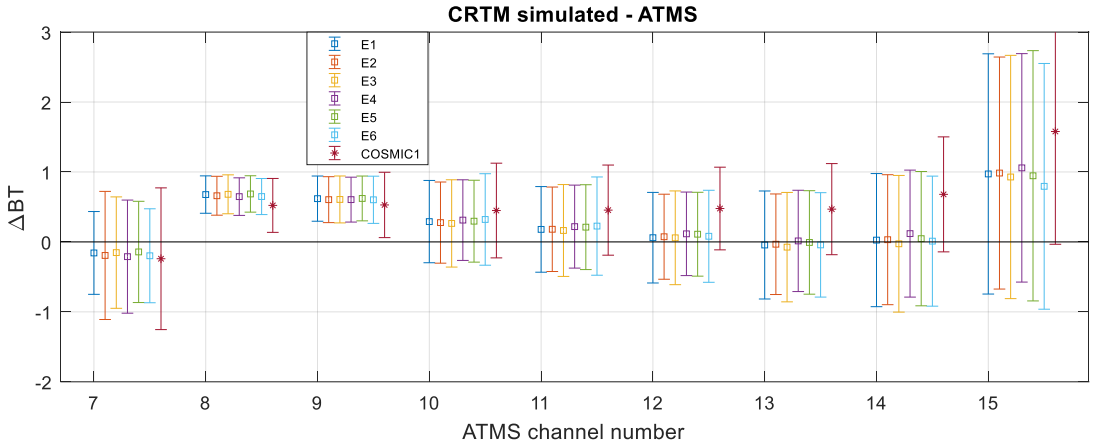
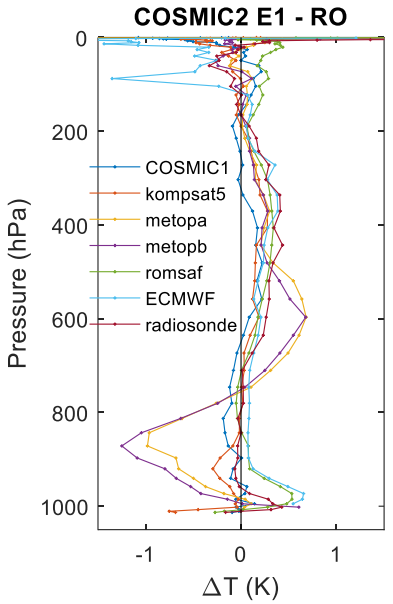
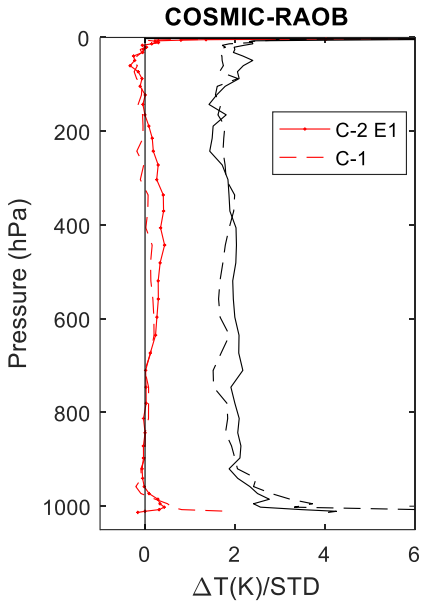
Current work

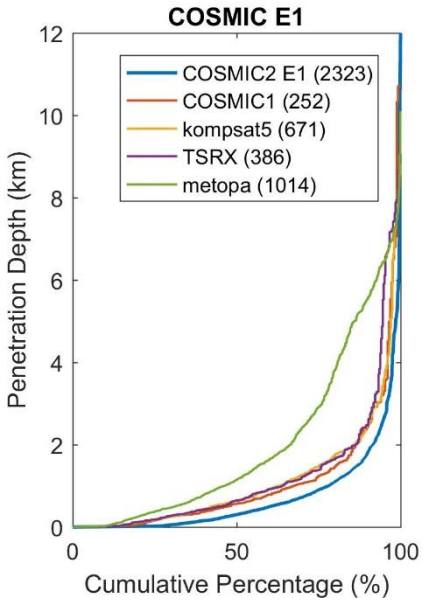
- Current efforts focus on evaluating performance of COSMIC-2
- Temperature/water vapor comparison between RO and Radiosonde/MW/IR (MW/IR through CRTM)
- Characterization of the COSMIC-2 performance in terms of penetration depth distribution, penetration depth as function of L1 SNR and BAL as a function of L1 SNR
- Bending angle level evaluation
  - Co-location evaluation
  - O-B evaluation
- Through all above works, evaluate the performance of COSMIC-2 from bending angle/refractivity level to temperature/humidity product level

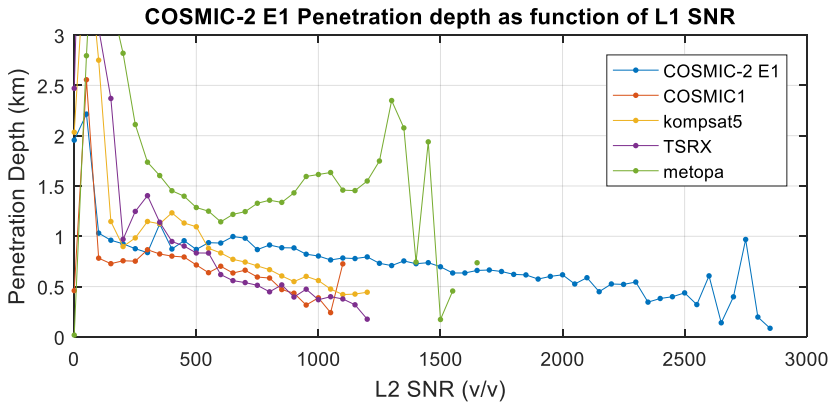
Some results

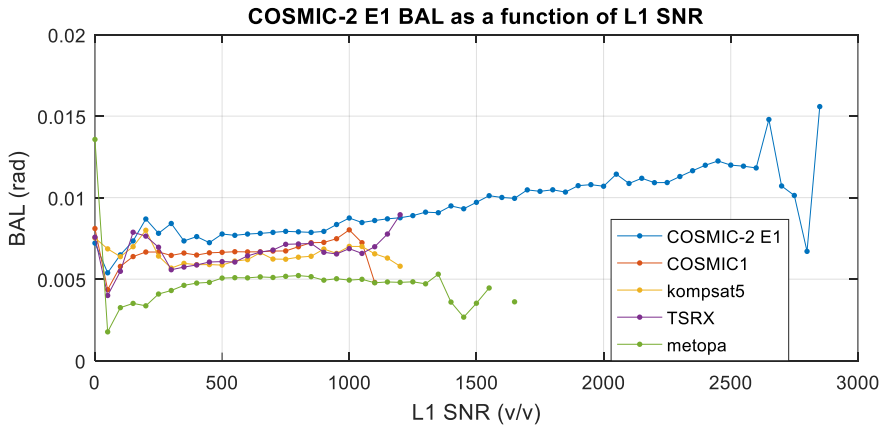








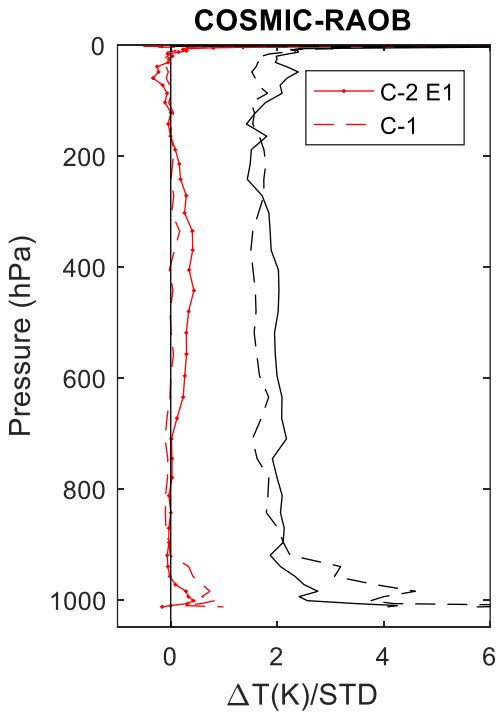




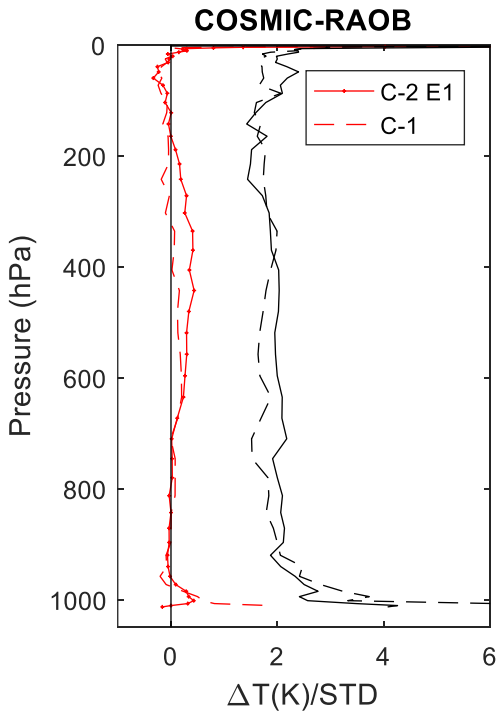
Papers we are working on

- Characterization of GRUAN RS92 and GRUAN RS41 RAOB temperature biases using RO data
- Inter-comparison paper
- GeoOptics (?)

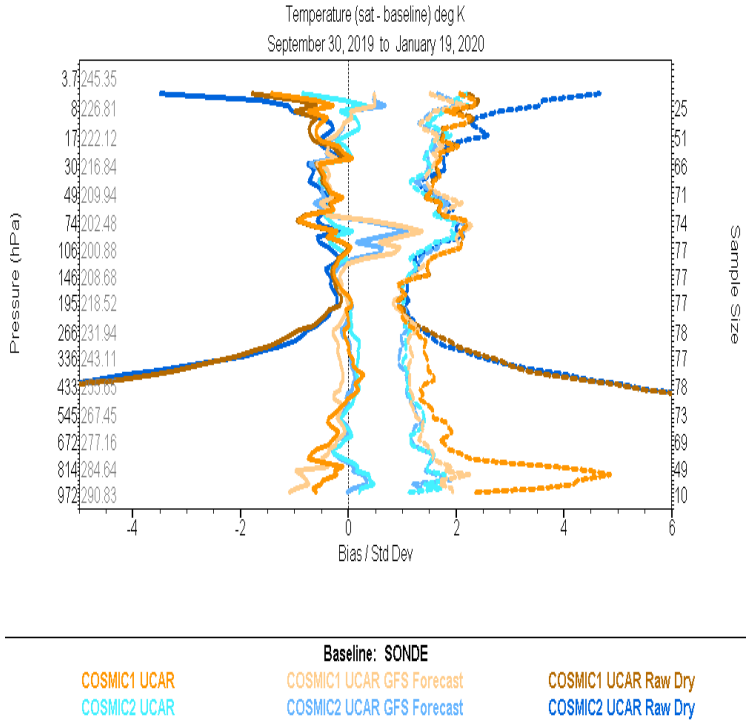
COSMIC-1 10/2018-12/2018



COSMIC-1 10/2019-12/2019

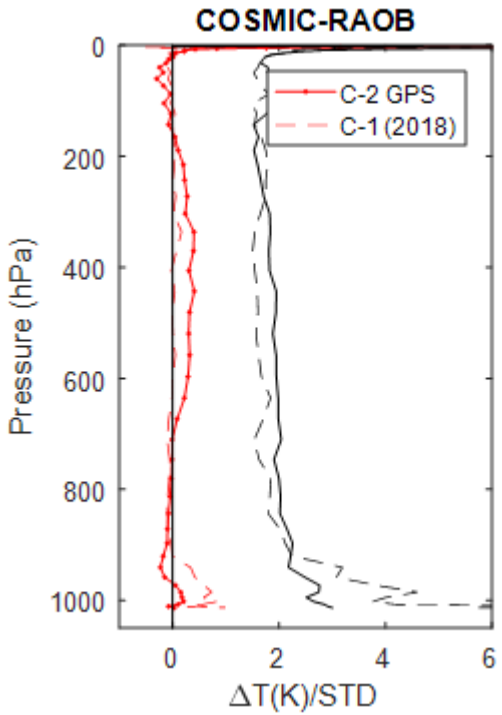


Tony's Results



COSMIC-2 E1 10/2019-12/2019

COSMIC-1 10/2018-12/2018



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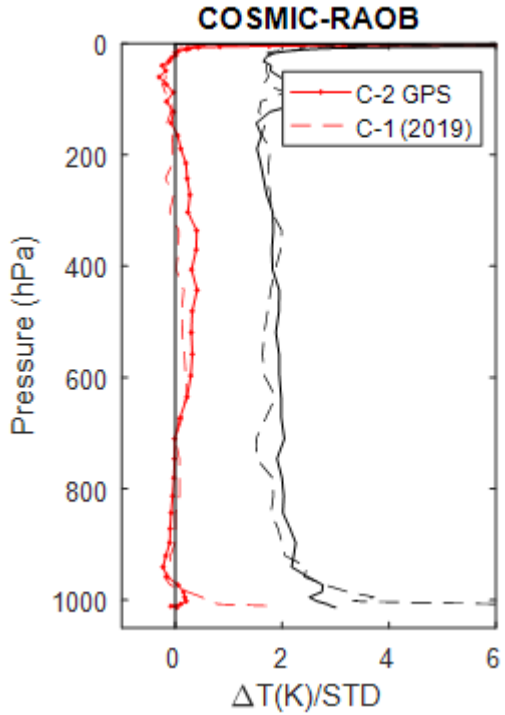
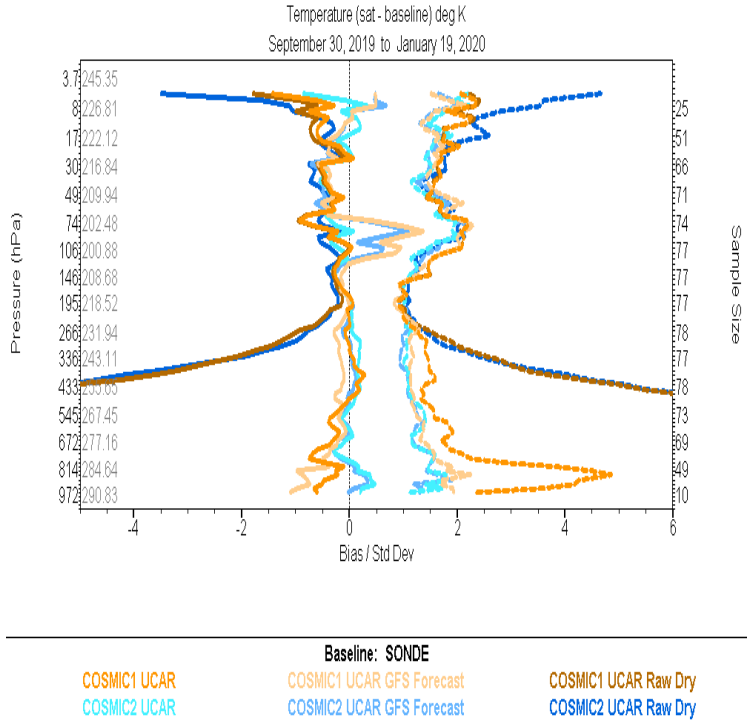


Tony's Results



COSMIC-2 E1 10/2019-12/2019

All Six satellites of COSMIC-2