

GSICS VIS/NIR December 1, 2022 Monthly Web Meeting

- 1) David Doelling, NASA presented: Utilizing the DSCOVR EPIC imager as a calibration invariant target accessible
 - Fred Wu (NOAA) mentioned that the EPIC can be used to radiometrically scale and monitor the stability of multiple GEOs. He asked why the DCC-IT method used the “mean” statistic and is probably due to the large 18-km footprints it does not have the low radiance tails.
- 2) Hugh Kieffer, Celestial Reasonings presented: Plan to make SLIMED calibration accessible
 - Tom Stone (USGS) mentioned that the SLIM implementation of the ROLO or GIRO model is more accurate. The SLIM implementation would supersede ROLO or GIRO model.
 - Bikash Basnet (NOAA) will first implement SLIM in the native IDL code at NOAA then test with Hugh’s IDL implementation. He will then convert the IDL code to Python.
 - Seb Wagner (EUMETSAT) is asking his management if he can work on IDL to Python conversion and asked that the code package can be made available for him to look similar to what Bikash has. We will also put the code package on the GSICS meeting page
 - Hugh Kieffer mentioned we do want any duplication of efforts. That the resulting Python would be shared freely. However, code changes in the SLIM Python code are not allowed
 - At the next GSICS VIS/NIR Jan 12, 2023, web meeting both Bikash and Seb will report on their code overview to determine the level of effort.
 - The SLIM implementation will be part of the GSICS annual meeting VIS/NIR breakout session agenda and hopefully the meeting will be available before the anticipated Lunar workshop scheduled for next year.
- 3) Juliana Fajardo Rueda, SDSU presented Extending the EPICS method globally accessible
 - The presentation was a high-level view of the SDSU PICS approach.
 - Fred Wu (NOAA) asked how the “sand” was classified and how to determine if the various locations across the Earth of the same sand classification
 - Fangfang Yu (NOAA) would like to review the presentation after it has been posted on the GSICS meetings page
 - Dave Doelling (NASA) suggested we would like to have more GSICS monthly web meetings to go into more detail of the SDSU PICS approach