

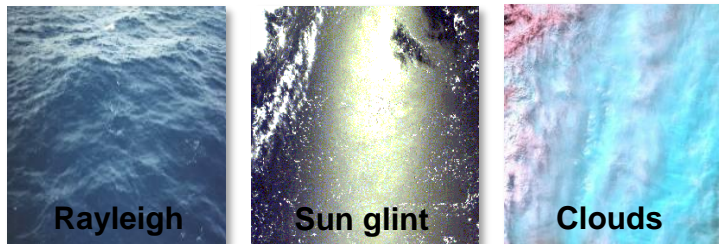
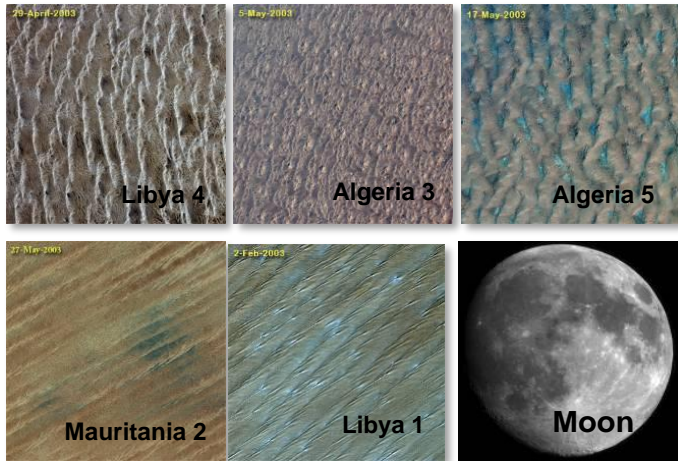
Conversation on sensor-to-sensor harmonisation coefficients

Emma Woolliams

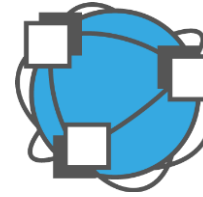
Creating a dialogue



PICS



Natural Phenomena

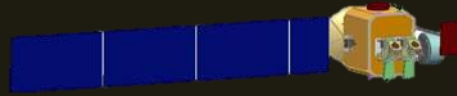
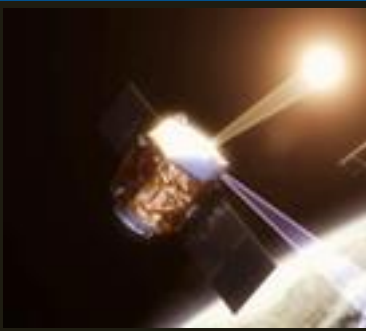


RadCalNet



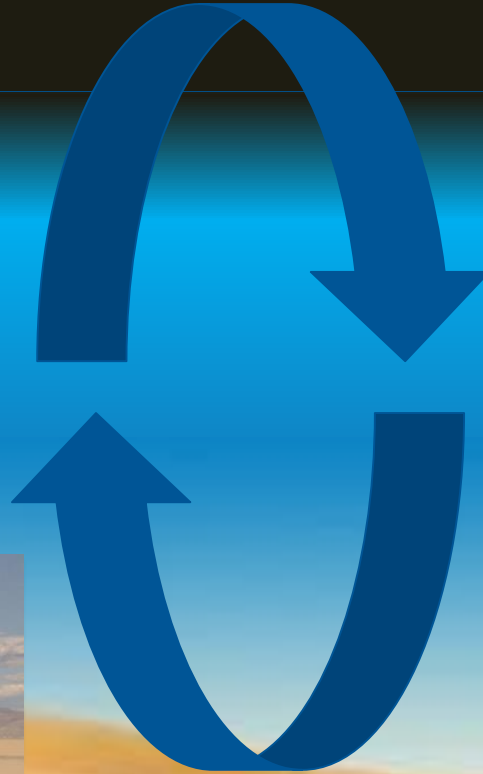
Asking the questions:

- What are intersensor biases?
- What is long-term stability?
- What is the difference to truth?



TRUTHS and CLARREO

\perp
SI



Validated Radiative
Transfer Models



Ground instrumentation

\perp
SI

Sharing results – comparing results

- Single repository for comparison results?
- What is needed to be stored?

SBAF and other corrections?

Determined biases?

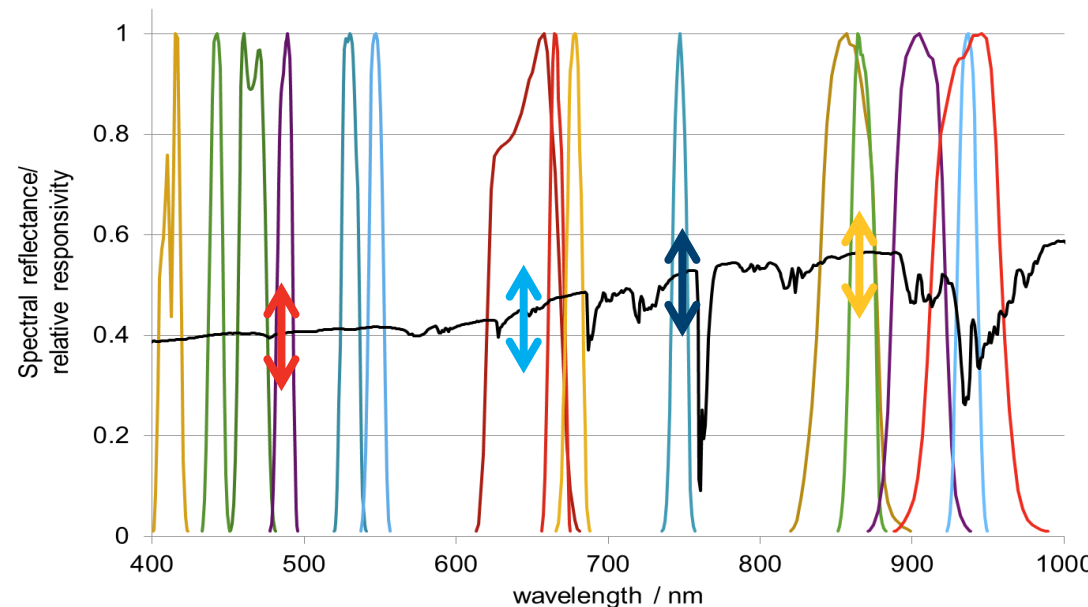
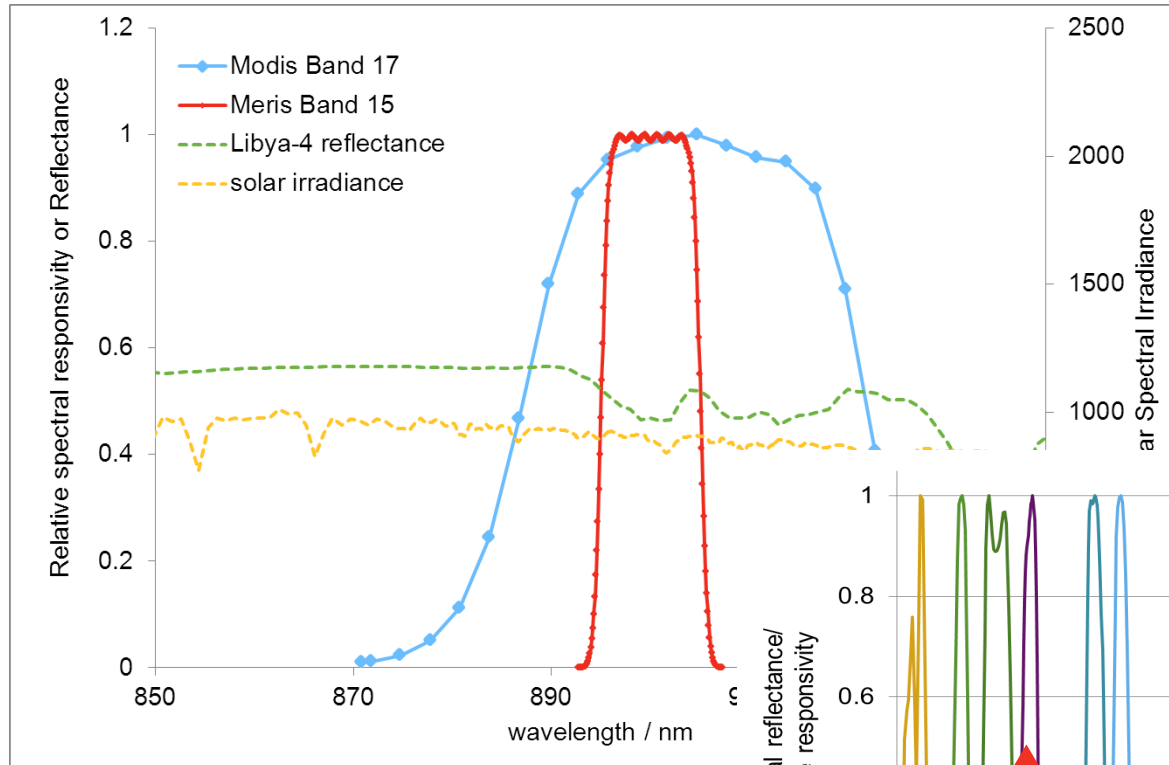
The screenshot shows the DIMITRI website, titled "DIMITRI : Database for Imaging Multi-spectral Instruments and Tools for Radiometric Intercomparison". The interface includes a navigation menu with "Overview", "Sites, Location & Surface Type", and "Software Tools". The "Overview" section describes the database's purpose and mentions that it was initially prototyped at ESA/ESTEC and is currently maintained by ESA and ARGANS. The "Software Tools" section lists various capabilities such as product reader and data extraction routines, comparison of satellite data, and radiometric recalibration. The "Sites, Location & Surface Type" section displays a grid of satellite images for various sites, including Libya-4, Tuz Golu, Uyuni, and Dome C.

The screenshot shows the "RADIOMETRIC CALIBRATION" website, which is part of the CNES (Centre National d'Etudes Spatiales) portal. The website features a navigation menu with "HOME", "PRACTICAL INFORMATION", "LEGAL INFORMATION", "WEBMASTER", "HELP", "SITE MAP", "OTHER LINKS", "GLOSSARY", and "PUBLICATIONS". The main content area is titled "The cross-calibration over desert sites" and discusses the importance of desert sites for radiometric calibration. It mentions that 20 desert sites of 100*100 km² were selected for their properties of homogeneity and stability in time. The website also includes a map of the world showing the locations of these desert sites, marked with red squares.

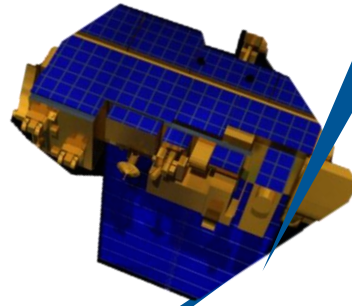
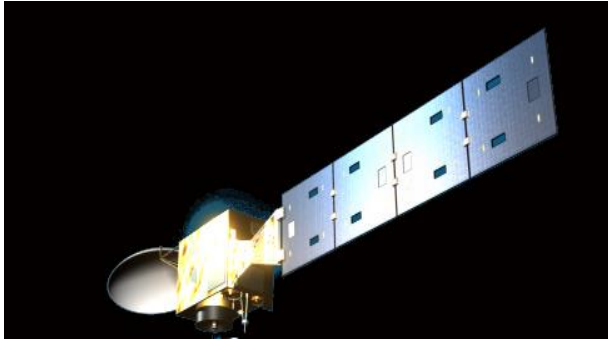
References

- A “reliable sensor”
- SI?
- A virtual ‘average’ reference?
- Ground measurements?

SBAFs and reference curves



A to B via C



Transfer of comparisons
“Chains of comparisons”
Combining all available data

Conversation openers

- How/where/in what form should we store comparison results?
- What references make sense?
- What research is needed in ways to interpret comparison results?
- Do we want to do A to B via C comparisons?
- What's the overall aim?

