**GSICS VIS/NIR Meeting Part 2**

**23 April 2020**

**Attendees**

Sebastien Wagner

Aisheng Wu (NASA/SSAI)

Stefano Casadio (ESA-ESRIN)

Jason Choi

Xiangqian Wu, NOAA

Fangfang Yu (UMD)

Amit Angal

Arata Okuyama (JMA)

Kazuki Kodera

Raj Bhatt (NASA LaRC/SSAI)

Tim Hewison

Dave Doelling (NASA)

Manik Bali (NOAA)

KMA (Dohy, Minju, Tauhyeong)

Sirish Uprety

Odele Coddington (CU Boulder/LASP)

Conor Haney (NASA LaRC/SSAI)

Ksenia

Fabrizio Niro (ESA-ESRIN)

Heikki Pohjola (WMO)

Dave Smith

Khalil Ahmad

Ben Scarino (NASA LaRC/SSAI)

Arun Gopalan (NASA LaRC/SSAI)

Ning Lei

Scott Hu (CMA)

Zhiwei Wang

**Presentations**

**Eunkyu Kim, KMA, GK2A AMI VIS/NIR Calibration Results:**

Comments**:**

Strong Bias in 0.8 um in June 2018, but SBAF is applied. Likely there are strong seasonal effects.

Actions:

Should compare with VIIRS.

**Dave Smith, RAL, SLSTR Calibration Results:**

Comments**:**

How the user community responds to the availability of different references depends on application, e.g., long-term trends depend on stability.

Actions:

Dave Smith could perhaps compare his SBAF results with NASA LaRC Tool

Proposed that Dave Smith might serve as expert on desert calibration methods in GSICS

**Aisheng Wu et al, NASA/SSAI: VIIRS and MODIS RSB Calibration Inter-comparison Using Vicarious Approaches:**

Comments:

Similar to Dave Smith’s results, VIIRS references show large differences in their absolute calibration. Highlights need for GSISCS to make decision on referencing the NASA or NOAA VIIRS calibration

**Jason Choi and Sirish Upretry, NASA and NOAA 10 minute contributions each on the differences between the NASA and NOAA VIIRS VIS/NIR calibration, discussion to follow.**

Comments:

It is very confusing to the outsider what the answer is if asked, “How good is VIIRS calibration?” Up to user decision? We need a statement of uncertainty levels and what to use for what application and what time period? Seems the recommendation (NASA vs. NOAA) changes depending on the time period used or the channel referenced?

Actions:

Need a document that explains what the differences are and what uncertainties can be explained, with input from NASA and NOAA.

Need a GSICS meeting to gear discussion to the needs of ISCCP-NG and gather input on NASA and NOAA what the GSICS recommendation is to them in regards to VIIRS calibration.

**Ling Wang, CMA, Chinese pseudo-invariant calibration sites (CPICS) selection and characterization:**

Comments:

A very good look into new PICS selection across China

**Odile Coddington, TSIS-SIM solar spectra v04 status:**

Comments:

Excellent presentation on another solar reference spectrum. They will provide 4 self-consistent solar spectral resolutions. Recommendation of what resolution of spectrum to use depends on why and how it is used. E.g., coming up with a band-integrated solar constant may depend on resolution.