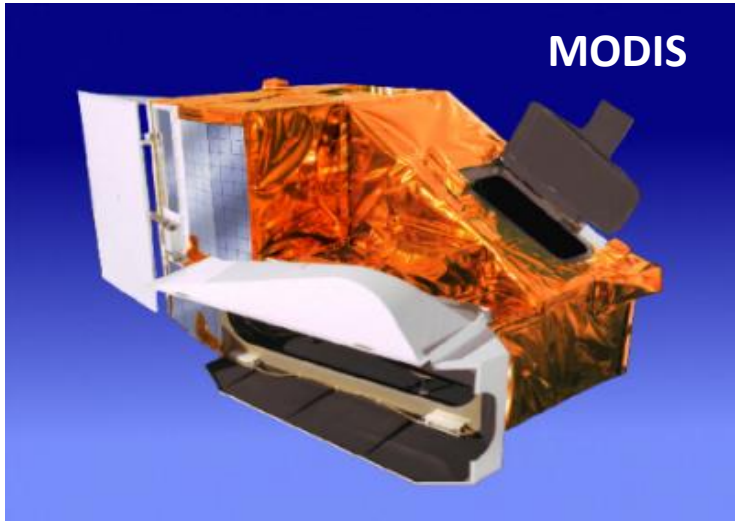
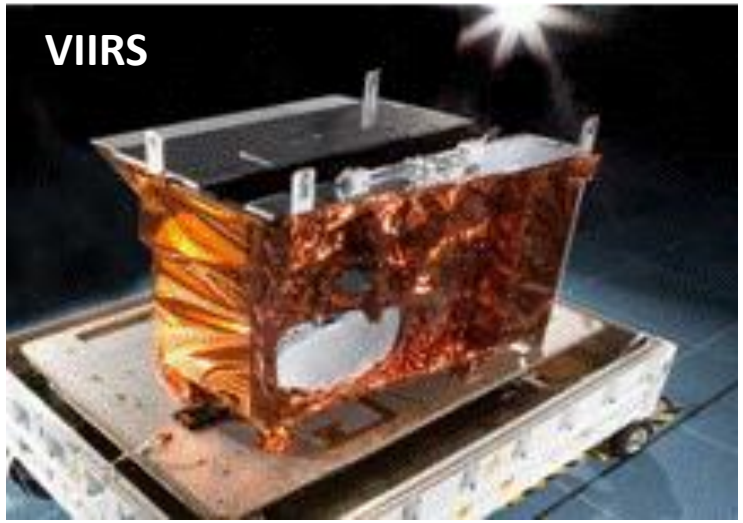
MODIS and VIIRS Calibration Workshop

February 25-26, 2021





- **MODIS and VIIRS Science Team Meeting – Plenary Session (Nov. 19, 2020)**
  - https://modis.gsfc.nasa.gov/sci_team/meetings/202011/
  - Terra and Aqua MODIS and VIIRS Instrument Status

- **Both Terra and Aqua MODIS C7 L1B/LUTs - Ready for Delivery (next month)**
- **JPSS-3 VIIRS Completed TVAC Testing! (Feb 15, 2021)**

- **Happy 100K Orbit Anniversary Aqua! (Feb 20, 2021)**

Day 1 (Jack Xiong and Truman Wilson, Chairs)	**11:00 am – 4:00 pm (EST)**
Introduction (*Jack Xiong*)	11:00 am
Status of MODIS Instrument Operation (*Daniel Link*)	11:10 am
MODIS RSB Calibration and Performance (*Kevin Twedt*)	11:25 am
MODIS TEB Calibration and Performance (*Tiejun Chang*)	11:55 am
MODIS C7 Reprocessing Plan (*Sadashiva Devadiga*)	12:20 pm
VIIRS RSB Calibration and Performance (*Ning Lei*)	12:40 pm
Coffee Break	1:10 pm
VIIRS DNB Calibration and Performance (*Hongda Chen*)	1:20 pm
VIIRS TEB Calibration and Performance (*Carlos Perez*)	1:40 pm
MODIS and VIIRS Geometric Calibration (*Gary Lin*)	2:00 pm
JPSS-3 VIIRS Pre-launch Radiometric Calibration (*Jeff McIntire*)	2:40 pm
JPSS-3 VIIRS Pre-launch Spectral Calibration (*Chris Moeller*)	3:00 pm
MODIS and VIIRS Calibration Inter-comparisons (*Aisheng Wu*)	3:20 pm
Calibration of SNPP and NOAA-20 VIIRS for Ocean Color Applications (*Gene Eplee*)	3:40 pm
Adjourn	4:00 pm

Day 2 (Jim Butler and Amit Angal, Chairs) **11:00 am – 3:40 pm (EST)**

Update on VIIRS Lunar Calibration Using ROLO (*Tom Stone*)	11:00 am
An Update on the Airborne LUnar Spectral Irradiance (Air-LUSI) Mission (*Kevin Turpie*)	11:20 am
MODIS and VIIRS Calibration/Validation Results Using RadCaTS (*Jeffrey Czapla-Myers*)	11:40 pm
SNPP/NOAA20 VIIRS Continuity with MODIS, Evaluation from Land Surface Reflectance Perspective (*Eric Vermote*)	12:00 pm
Mitigation of Terra Striping at High Latitudes (*Alexei Lyapustin*)	12:20 pm
Radiometric evaluation of the MODIS C6.1 reflective solar channels radiances and the need for C7 (*David Doelling*)	12:40 pm
Coffee Break	1:00 pm
In-Flight Validation of Mid and Thermal Infrared Remotely Sensed Data from MODIS Using the Lake Tahoe and Salton Sea Automated Validation Sites (*Simon Hook*)	1:10 pm
MODIS-VIIRS inter-sensor shortwave radiometric monitoring by the Cloud Product team and the A-SIPS (*Kerry Meyer/Bob Holz*)	1:30 pm
Trends and continuity in the AOD record for MODIS, VIIRS, and GEO sensors (*Virginia Sawyer*)	1:50 pm
Optimization of the GOES-16/GOES-17 ABI L1b Calibration Algorithm for Re-processing Through a New Geostationary Imaging Support Team (*Joel Mccorkel*)	2:10 pm
Discussion - Path Forward for Multi-instrument L1 Data Records (*Jim Gleason*)	2:30 pm
Summary (*Jack Xiong*)	3:30 pm
Adjourn	3:40 pm

Acknowledgements

Contributions:

- MODIS and VIIRS Characterization Support Team (MCST and VCST)
- MODIS and VIIRS Science Teams

Support:

- Terra, Aqua, S-NPP, JPSS Project, and Mission/Flight Operation Team (MOT/FOT)
- Instrument Vendor (Raytheon) and NASA On-site Support Team
- NOAA JPSS Program and VIIRS SDR Team