

## **Recent activities of the GOES-R Calibration Working Group**

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The GOES-R Calibration Working Group (CWG) has been tasked with ensuring the validity of the Level 1b (L1b) products across the GOES-R instruments. Over the course of the past year the CWG has undertaken many activities in support of this central mission, focusing its efforts on both the Flight and Ground Segments. Support of the Flight Segment has been primarily in the form of analysis of data from pre-launch testing of the Advanced Baseline Imager (ABI) Prototype Model (PTM). The CWG reviewed much of this data and issued reports highlighting the agreements and disparities between the CWG's and vendor's analyses. In addition, the CWG analyzed the spectral response functions (SRFs) of the 16 ABI channels, recommending a set of witness filters for each channel for measurement by the National Institute of Standards and Technology (NIST). Post-launch calibration activities for the past year have focused on vicarious calibration of ABI using lunar irradiance. These efforts have included a comparison of various lunar irradiance models and validation of predicted lunar observation opportunities for ABI on orbit. Other activities in support of the Ground Segment include the development of a simplified three-dimensional model of the ABI's calibration modules for visualization, and the development of tools for the ingest and analysis of post-launch calibration data.