

An Integrated Validation System for GOES-R Products Leveraging Collocated JPSS and A-Train Observations

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This paper will present the status and current results of the collocation and validation system being developed for the GOES-R AWG effort. A primary focus the collocation project is to develop a collocation library based on over 30 years of collocation development at CIMSS and then using these tools, develop a validation system capable validating the GOES-R products with JPSS and NASA EOS observations. 2012 activities are focusing on developing software applications and products that leverage the physical collocation results and produce validation products for the GOES-R algorithm teams providing rapid assessment of GOES-R calibration and retrieval performance pre and post launch. We are in the process of deploying a prototype validation system that will provide near real-time GOES-R proxy (SEVIRI and GOES) validation results using both the NASA A-Train observations (CALIPSO, MODIS, CloudSat) and JPSS (CrIS, VIIRS, ATMS) observations. We are working with the GOES-R products teams to customize these validation products. This effort will leverage significantly from our JPSS cal/val activities at UW with the goal of developing the foundation for a validation system for GOES-R post launch cal/val activities and facilitating better integration of JPSS and GOES-R.