

Satellite Meteorology Resources and a GOES-R Education Proving Ground

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Teacher training on the topic of satellite meteorology is needed as the 2015 launch date GOES-R approaches. In preparation of this launch, CIMSS is updating the “Satellite Meteorology for Grades 7-12” CD and on-line resource to include GOES-R related activities. CIMSS will continue to promote and distribute the revised resource at annual meetings of the American Meteorological Society (AMS), summer meetings of the Federation of Earth Science Information Partners (ESIP) and future Satellite Educators Conferences.

The CIMSS “Education Proving Ground” features the design and development of activities for G7-12 teachers and students in preparation for the launch of GOES-R. Our goal is to have CIMSS and ASPB scientists work with students virtually during post-launch GOES-R checkout activities. A key element of this effort will be sustained interaction between CIMSS EPO staff and a core group of committed educators recruited specifically to collect feedback for iterative improvements to the classroom activities prior to launch. The proposed Education Proving Ground will rely on close coordination with CIMSS/ASPB scientists who check data quality following current GOES satellite launches. In this way, teachers will be ready to run similar activities with their students following the 2015 GOES-R launch and be ready for the new types of satellite imagery and products which will be available in the upcoming GOES-R era.