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GOES-R Proving Ground Activities at CIRA

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The next generation Geostationary Operational Environmental Satellites (GOES) environmental satellite systems, beginning with GOES-R, will contain a number of advanced instruments including the Advanced Baseline Imager (ABI). GOES-R ABI will provide much higher spatial and temporal resolution imagery than the current GOES.

The GOES-R Proving Ground provides for an opportunity for National Weather Service (NWS) forecasters and other operational users of satellite data to be introduced to and trained on the new GOES-R capabilities. It also provides for operational forecasters to have an impact on the products they will see after GOES-R has been launched. The key to accomplishing this task is to emulate potential GOES-R products so that forecasters can provide feedback to developers before the satellite is launched.   An additional benefit to the operational community is training on products and more familiarity with new capabilities and products so that they can be utilized fully as soon as they become operationally available.

CIRA has been involved in GOES-R product development and has been interacting closely on GOES-R product evaluations with NWS Weather Service Offices and NWS National Centers for many years. In this talk we will give an update on CIRA's current Proving Ground efforts, including a discussion of the latest products being tested and the feedback we have received.