

Update on GOES-R Proving Ground Activities at the Operations Proving Ground



Chad Gravelle

GOES-R/JPSS All-Hands Call – 5 May 2014



Since the last All-Hands Call...

- **Gave Oral Presentations at AMS and TBPG Workshop**
 - **AMS: Using GOES-R Demonstration Products to Bridge the Gap Between Severe Weather Watches and Warnings for the 20 May 2013 Moore, OK Tornado Outbreak (BAMS Proposal Submitted in March)**
 - **PGTB: Transitioning the GOES-R Fog and Low Stratus Products from Research To Operations Through the NWS Operations Proving Ground**
- **Completed NWS Distance Learning Operations Course – Late February**
- **Satellite PG / User Readiness Meeting Committee – June in KC**
- **Operations Proving Ground Total Tracking Tool Evaluation**
- **GOES-R CI / CTC Central Region NWS (12 offices) Informal Evaluation**
- **GOES-R SevereProb Model – OAX Informal Evaluation on Testbed A2 System**



Operations Proving Ground Evaluation – May 12-16

- **NASA SPoRT / MDL AWIPS 2 Meteogram Tracking Tool**
- **Began as the Total Lightning Tracking Tool**
- **4 NWS forecasters (ER, CR, SR, WR)**
- **Evaluating the Tracking Tool on Satellite, Radar, and Total Lightning with 8 archived cases (capability developed by Jason Burks)**
- **Evaluating in real time for one morning.**
- **Feedback on operational readiness will be gathered for OS&T, STI, NOAT, PGTB Coordinating Committee, and AWIPS Program Office.**



What's Next?

- **Begin organizing the next GOES-R Operations Proving Ground Evaluation**
- **Exploring Impact of GOES-R Scanning Strategies (1-min vs 5-min data) on NWS Forecast Office Operations...Heinselman et al. 2012 framework**
- **Using cases from the two 3-week long GOES-14 1-min special experiment this summer...archived at the OPG**
- **Comparing NWS forecaster decisions with two control groups (1-min vs 5-min)**
- **Late Fall and Early Winter 2014-2015**
- **4 weeks long (at a minimum), 4 NWS forecasters each week**
- **Tim Schmit and Dan Lindsey are assisting as SMEs**

Comments and/or Questions?

