

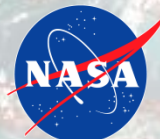
NOAA GOES-R/JPSS Proving Ground Activities

Introduction

Science Advisory Committee Meeting

26 – 28 August, 2014

National Space Science and Technology Center, Huntsville, AL



SPoRT Proving Ground History

Pre-Proving Ground (i.e. NASA work)

- Existing partnership with NWS Southern Region
- Assisting NESDIS (GOES Aviation) and UAH (CI) with transition
- MODIS: mesoscale sat. anal.
 - Prep for S-NPP and GOES-R/JPSS
- NASA's LMA supporting LIS being used locally by WFO

As part of Proving Ground

- Asked by PG to participate
- Developed Pseudo-GLM
- Used MODIS (then VIIRS) to create Hybrid GEO/LEO imagery and RGB suite
- Interest by other NWS Regions (CONUS/OCONUS)
- Supported AWG products
- Supported both WFO and NCs
- New products: VIIRS DNB



Overview of SPoRT's Proving Ground Areas

1. Total Lightning

- i. pGLM and new networks, training (modules & visits), assessment report, transition to NCs and AWIPS II, inclusion of NCs

2. ABI-like imagery (Single/Multi-channel)

- i. Imagery to NCs/WFOs as proxy to ABI, including Hybrid GEO/LEO – delivery and feedback on utility
- ii. SEVIRI at NCs, Expand suite to include MODIS/VIIRS, CIRA Sounder Airmass transition, AWIPS II tools, training modules on applications, assessments

3. Support AWGs transition of proxy products

- i. NCs/WFOs transition, training assistance and feedback to developers

4. OCONUS activities

- i. Suite of products to Alaska/Pacific Region to meet specific needs, training modules, site visits, and assessments

5. Integration to User's Decision Support System

- i. AWIPS II via Experimental Products Development Team (Not discussed here)



NOAA PG – SPoRT Goals

- Working in core areas of Total Lightning, Single channel and RGB Imagery, AWG Transition Support, and OCONUS
- **Goal: Promote use of NOAA/NASA real-time data as valuable to present operations while demonstrating future GEO/LEO capabilities**
- *Sub-goal: Be leaders in transition of Total Lightning products and RGB imagery to prepare users for GOES-R and JPSS*
- *Sub-goal: Develop application-based training to complement foundational training/work by others in PG*
- *Sub-goal: Develop and test new display capabilities for PG products for efficient use in operations. (more in DSS Session)*



Session Outline

Session 3: GOES-R/JPSS Proving Ground Activities

Support of AWGs: GOES-R CI and QPE	(Anita Leroy)
Total Lightning	(Geoffrey Stano)
OCONUS Activities	(Matt Smith)
Future Proving Ground Activities	(Kevin Fuell)

