



NWS Satellite User Readiness - Overview

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Proving Ground / User Readiness Conference

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NWS Satellite User Readiness



- **GOES-R End-to-end readiness testing**
 - This session (TOWR-G – Joe Zajic)
- **GOES-R Test Objectives / Mission Thread development**
 - This session (Eric Guillot)
 - Tuesday & Wednesday (Room 121). Please contact Joe or Eric to set up a time for demo. Content - RAFTR, VLAB, Mission Threads, AWIPS testing discussion
- **AWIPS II Readiness for GOES-R & JPSS**
 - Wednesday morning (AWIPS Program, PM Ronla Henry, Steve Schotz, Ed Mandel, Bobby Martinez – via phone)
- **Data Distribution**
 - Wednesday morning (GRP-Brian Gockel, AWIPS II Data Delivery - Steve Schotz – via phone)
- Operationalizing New Satellite Products
- Leveraging these activities in Training Development



Operationalizing New Satellite Products (Option 1 - Baseline)



- Option 1 Baseline - Centralized NESDIS Processing
 - NESDIS SPSRB request via competitive approval
 - Other (e.g. Himawari, OceanSAT, GPM, Sentinel, SMAP)
 - Blended Satellite (e.g. TPW, SST, merged imagery)
 - GOES-R/JPSS funded new products
 - NOAT recommends priority, SPSRB request not needed
 - NWS AWIPS / SREC
 - AWIPS Request-for-Change (RC)
 - AWIPS
 - Data Review Group (CM)
 - OPSNET
 - NCEP
 - All Processes currently well defined, though anticipate some process changes over next 2 years



Operationalizing New Satellite Products (Option 2)



- Option 2 - Leverage Direct Broadcast (DB) Processing Algorithm Updates
 - GOES-R DB @ (AR/Anchorage, PR/Oahu, NCO/College Park, NHC/Miami, SPC/Norman, SWPC/Boulder, AWC/Kansas City)
 - JPSS DB @ (AR/Fairbanks)
- Distribution of products beyond receive and processing sites not clear for all cases.
- Processes not defined for:
 - New product processing changes
 - Prioritization of distribution beyond receive site



Operationalizing New Satellite Products (Option 3)



- Option 3 – Continue operational availability/use via LDM (similar to what is now done in PG/Testbeds)
 - Examples of product Sources:
 - Cooperative Institutes
 - NASA
 - NESDIS/STAR, NESDIS/SAB
 - National Centers value added Products
- This option is not really “operational” and is instead a “best effort” capability
- Processes not defined for:
 - Initial project funding and sustainment (if not PG or Risk Reduction)
 - Delivery method
 - Prioritization of distribution



Leveraging these activities in Training Development



- User Readiness Implementation discussions this week could be leveraged in Satellite Training Development
- Specific Examples
 - TOWRG GOES-R Product Use Cases
 - Himawari operations in PR and AR as proxy for ABI
 - Data Delivery Concepts