



# AWC PROVING GROUND USER READINESS

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GOES-R/JPSS User Readiness Meeting  
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# BACKGROUND

**Location:** Aviation Weather Center, Kansas City, MO (NCEP)

**Liaison lifetime:** Just over two years (started April 2012)

**NWS forecasters:**

- AWC forecasters in KC
- National Aviation Meteorologists (AWC) at the ATCSCC

**...and to a lesser (though currently increasing) extent:**

- CWSU forecasters
- AAWU forecasters

**Liaison training:**

- **Formal**

- DLOC (completed Jan 2014)
- Satellite bootcamp (July 2013)

- **Informal**

- Shift training (domestic and international)
- Various satellite related modules

# HOW ARE USERS CURRENTLY BEING PREPARED FOR GOES-R/JPSS IMAGERY AND PRODUCTS?

## - **With full staff...**

- Two-week intense evaluation periods
- Three ~25 minute seminars
- Quick guides

## - **When you're down ~20% staff...**

- Longer-term evaluations
  - desk/hazard specific focus
- 2-minute case studies
- Quick guides
- "Feature of the (Month/Week)"

## - **What worked...**

- Case studies and real time applications
- Quick guides
- Specific desk focus
- Forecaster forum

## - **What didn't work...**

- Longer training powerpoints (to an extent)

# HOW SHOULD THE USER COMMUNITY BE PREPARING FOR GOES-R AND JPSS? A LIAISON'S PERSPECTIVE...

## - **Keep doing what we're doing...**

- Real-time case studies/applications and continual exposure
- 'Pre-operational' training

## - **Do a little more...**

- Further support for the development of satellite products for NCP on AWIPS-2
- More focus on generic imagery (ABI) instead of derived products
- More 'operational' training in the future...

# HOW HAS THE LIAISON WORKED WITH PRODUCT DEVELOPERS TO ENSURE THE O2R-R2O LOOP HAS BEEN CREATED AND CLOSED.?

## **Much communication:**

### **- Between PIs and liaisons**

- Getting products running AND during evaluation periods

### **- Between liaisons and forecasters**

- Gentle reminders, real-time applications, etc.
- Find those 'certain' forecasters

### **- Between liaisons and PIs**

- Passing along feedback
- Perhaps more midterm or interim reporting?



# WHAT ARE THE BIGGEST ACCOMPLISHMENTS?

- **Increasing satellite knowledge and usage at the AWC**
  - From a passive to active user
  - Integration into operations
- **Satellite data usage at the FAA**
  - FLS and NAM usage at the Command Center



Eagle County Airport 12/29/2013 12:01:47 PM



Eagle County Airport 12/29/2013 11:14:46 AM



# BIGGEST CHALLENGES?

## AWIPS-2

- NCP development

## Systems

- CM approval
- AWC DAS ongoing issues
- Disk space...

## Staffing

- Seven vacancies
- Two temporarily out
- Expecting more retirements...
- So... K shift??  
What's a K shift?
- Summer Experiment participation?
- Solution? Taking the R2O to the floor

# VISION OF THE 'LIAISON': SHOULD THE SATELLITE LIAISON POSITION BE TRANSITIONED TO AN SME?

**Definition (of a Hiring SME):** “A Subject Matter Expert (SME) is a person with comprehensive knowledge of the duties and responsibilities necessary to perform a specific job. The overall role and responsibility of the SME is to provide a recommendation based upon their subject matter expertise... the SME must be a neutral party and not planning on applying for consideration for the position being advertised. A SME may serve individually or with other experts on an ad-hoc basis.”

- **So are we SMEs already? If not, what does 'SME' mean?**
  - Would a future SME position be a satellite expert in general (i.e. a satellite focal point) or specifically focused on GOES-R/JPSS?
  - We need to come up with a solid definition

# VISION OF THE 'LIAISON'...

- **How can the Liaison position build beyond the current responsibilities?**
  - Hasn't it already? Depends on the liaison....
    - At AWC 'satellite liaison' became 'satellite POC' out of need:
      - Operational support (i.e. McIDAS wrangler)
      - Web development support
      - Hardware POC (ingestors/dishes/antennas... i.e. recent spare dish problem, GE issues, GRB team)
      - Next generation development and research (GOES-R/JPSS)
    - Perhaps all liaison or SME positions should touch all aspects of satellite meteorology at each center/office?
- **How can the Liaison position be maintained and retained?**
  - As above, transitioning to more of a 'satellite meteorologist' or 'focal point' type position?