

Regional SSDs

Field and Science Perspectives

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*NCEP Production Suite Review
College Park MD
December 3, 2018*

SSD - Challenges and Concerns

Issues that we want to address during the next 3 days

- **WCOSS moratorium and all of the downstream impacts on development and implementation**

We understand the impacts of the moratorium, but want to highlight 3 special concerns that are tightly linked

- **NBM** - please keep a top WCOSS priority!
 - Primary Evolve goal - must demonstrate to the field that we are serious about supporting
 - To build trust, need to fix issues in a timely manner and keep enhancing
 - Quarterly bug fixes are critical
 - Try to keep to the yearly NBM version updates
 - V 3.2 and beyond -- enhancing/introducing probabilistic elements is important
- **RTMA/URMA** and work on new 3D RTMA
 - Updates are critical to NBM performance -- supports both bias correction and verification
 - Timely updates -- same as NBM -- should be sync'd as close as possible
 - Critical Obs decoding issues -- Need to implement fix for observation precision decoding error
- **MRMS -> QPE component**
 - MRMS QPE critical to NWM, NBM and RTMA - also a high profile forecast service element
 - V12 (on IDP for now) is first version to start to address QPE issues with poor radar coverage and other enhancements
 - Beyond V12, need QPE/QPS in formats to better support NWM/NBM

SSDs - OCONUS Challenges and Concerns

- **Scientifically calibrated probabilistic forecasts that are useful away from available observational data sets in data sparse areas like Alaska and Pacific Regions have been and continue to be a challenge**
- **R2O and O2R challenges in OCONUS regions are often unique from those in CONUS and may require different approaches for success**
- **Alaska and Pacific Region need to leverage R2O/O2R opportunities with core partners on solutions outside of the NWS track - Current NWS process is challenging - Future promise with community modeling approach**

End of SSD presentation

Supporting Slides with
more details follow...

SSD - Challenges and Concerns

Issues that we want to emphasize during the next 3 days

- **WCOSS moratorium - downstream impacts on development and implementation**

3 special concerns that are tightly linked:

- ***NBM*** - needs to remain a top WCOSS priority!
- ***RTMA/URMA*** - work needs to continue on new 3D RTMA
- ***MRMS QPE*** - continued work on this component is needed