

## **NW Flow Snow Conf Call Minutes for Nov 5, 2013**

Participants from ASU, UNC-A, WFOs GSP, MRX, RAH, and RNK

### **NWA Mtg Sandy extended abstracts:**

December is 9<sup>th</sup> to submit to NWA, and we agreed to share rough drafts with each other by **Dec 4<sup>th</sup>** (or earlier) via Google Drive (the same folder where we have our other NWA Sandy documents). The template for the formats and outlines can be found at:

[http://www.nwas.org/meetings/nwa2013/38NWA\\_extendedabstract\\_template.pdf](http://www.nwas.org/meetings/nwa2013/38NWA_extendedabstract_template.pdf)

These need to be short and focused, so consider the main points and figures you want to include from your presentations. The Intros should all mention these are part of 4-part series, and the conclusions should have some sort of transition statement for the next one. Doug also shared some of the feedback from the NWA meeting that might help authors determine what to emphasize.

We also talked a little bit about thinking ahead to a possible journal article that would combine these, so be thinking about what aspects could be emphasized or elaborated on in such an article that we might work on later this winter.

### **Potential focus topics for upcoming season:**

The list of topics has been shared multiple times with the group so will not be included here (see previous emails or contact Steve Keighton if you need to see the complete list), but in the time we had on the call, we focused in on three topics in particular that some effort is already being made in, or that we felt was ripe for working on given current or recent data sets:

- Incorporating High Res (especially convective-allowing) model solutions into the gridded forecast process, specifically with NWFS events. GSP has 4 such models in GFE with a tool to do some blending, and will be doing some initial experimenting this winter. A much larger project may not be feasible immediately, which would include model validation/verification and comparing model blends/ensembles with a single model.
- Use of Snow-Liquid Ratio data from Poga Mtn to better anticipate future SLRs and which atmospheric variables are most important for anticipating those in NWFS events. Goal would be to develop better methodologies and perhaps a QPF-to-SnowAmt smart tool for NWS Graphical Forecast Editor (GFE) for these events based on findings. App State, RNK, MRX, and GSP all expressed interest in this project.

- Validating model forecasts of moisture depth and radar echo characteristics with the Poga Mtn MRR, and possible downstream data sets that are part of HMT-SEPS, and also UNC-A soundings. Can also consider data from previous years when MRR data was collected, but examining real-time data this upcoming season, including BUFKIT output from local WRF models at Poga Mtn site might be beneficial.

We will further explore how to move forward with the above topics during our Dec call.

**Other projects/data for upcoming season:**

Doug confirmed there will be UNC-A upper air launches this winter. A UNC-A MRR will be leaving, but not sure where it is going. Also, there will probably be some disdrometers in the area, but not sure specifically where.

Some discussion of getting the OPL MRR viewer working correctly at GSP and RNK. Offices are hoping to use this in real time for Poga Mtn data this winter.

**Next call:**

First half of December (T.B.D via Doodle poll).