

NW Flow Snow Conf Call Minutes for Jan 10, 2014

Participants from UNC-A, WFOs GSP and RNK

Sandy NWFS journal article:

The three of us on the call (plus brief email from Baker) are leaning more toward AMS journal (vs. the special issue of Hydrological Processes), specifically Weather and Forecasting (WAF), but this may still depend on how final outline shakes out and what we decide to emphasize the most. We came up with some deadlines to help us keep moving along (“us” referring mainly to those who authored the NWA abstracts/presentations, but others can become involved in the journal): Feb 1 for comments on the current draft outline (and Feb 15 or after our next NWFS call) to finalize the outline. May 1 for manuscript submission to AMS (or first through SSDs). To make comments in the Google Drive outline, best not to use Internet Explorer (may depend on version though). It is located:

<https://docs.google.com/a/noaa.gov/document/d/1spoUWfO0PmQoYUFG-UdvyOWFcrkTt1IKs6R6jiOMijl/edit>

However, there is also concern regarding page charges, so there were some other options discussed to help reduce that. Steve will coordinate with ER SSD for more guidance on this.

Recent NWFS events (Jan 2-3, and Jan 6-7):

Some interesting aspects may be worth further review by our group. UNC-A soundings for the second event, and Poga Mtn MRR for both. Second was obviously colder and associated with an historic cold event, but also drier. Models may have over forecast the snowfall in some cases. Trajectory analysis and what is happening with Great Lakes ice cover may also be worth looking at. These would certainly be good candidates for comparing forecast moisture depth and temperatures with MRR, and also for the SLR focus work.

Potential focus topics for upcoming season:

We will schedule a special call (near the end of January) to discuss the two topics below in more, for anyone who wants to participate. ASU students will be involved too.

- 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. App State, RNK, MRX, and GSP all expressed

interest in this project, and Baker has expressed that some App State students might be interested in helping with this.

- 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 focus on using BUFKIT output from local WRF models that some offices are producing for Poga Mtn, but other forecast data sets that we can get a hold of would also be good to consider. Again, App State students might be available to help with this.

Next call:

First half of Feb (will do through Doodle).