

NW Flow Snow Conf Call Minutes for April 24, 2013

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

Group involvement in doing review of NW Flow aspect of Superstorm Sandy for NWA Annual Mtg in October:

We have an additional month to submit abstracts for NWA Mtg (deadline July 1, but NWS ERH and SRH will need to see draft abstracts some time before this (a week for ERH and maybe as much as a month for SRH). The NWS was sent a message promising some support from the Director, but we still don't know how many of us (if any) will be able to attend. Doug and Baker hope to be able to attend (Doug most likely), so in the worse-case scenario that no NWS attendance is possible, someone in our group could still make the presentations. In the meantime, the Program Chair has encouraged us to submit all 4 of the proposed topics for a special Sandy session. These are listed below:

Our discussion on the call honed in on potentially 4 topics for the conference, with the possibility of working them into three. These would be:

- 1) Overview of NWFS events in general, including what a typical event might look like, and possibly also the synoptic classifications
- 2) Broad overview of NWFS aspects of Sandy (synoptic evolution, total snow, impacts, comparison with more typical events, etc)
- 3) Moisture anomalies compared to climatology and trajectory analysis compared to typical events.
- 4) Radar and satellite analysis as these related to changes in p-type, microphysics, and cellular nature vs. banding evolutions.

We assigned names to take lead roles in putting together the outlines and ultimately abstracts for these four presentations, and those are included in a set of four Google Drive documents that have been initiated and shared with the team. The names are also included at the bottom of our original document ("Outline-Topics for NWFS Aspects of Sandy"), near the bottom where the four NWA presentations are listed. For those not on the call and not already listed as helping with a presentation, please consider adding your name to at least one of these and offering your input on either the outline, data/figures, or writing the abstract.

We gave ourselves a deadline of **May 22** to have outlines for each of these presentations, which can include some of the figures that we might show in the final presentation. I think we will shoot for oral presentations for all of these, but we might need to be prepared to make some of them posters.

Anything we decide we can't do at the NWA (or if budget restrictions ultimately prevent NWS folks from participating) we have the 2014 Eastern Snow Conf in Boone to look forward too. There is also the possibility of the Weather Analysis

and Fcstg Conf at the AMS Annual Mtg in January (Atlanta), although the abstract deadline for this is August 1 (only one month after the NWA deadline), so we'd have to submit to that before we knew what our attendance at the NWA is likely to be.

Other news:

HMT-Southeast Pilot Study is slowly gearing up for activity in western NC, and instruments are being put in place. More information will be provided at an upcoming conf call (date unknown at this time), but many of the team members are in the loop on these activities. Some of these instruments may be helpful data sources in NWFS situations, although the primary motivation for HMT-SE is improving estimates of QPE in western NC and specifically the Pigeon and Upper Catawba Watersheds.

UNC-A will have an IMET sounding system in place for this summer, and is also hopeful there will be funding to continue launches this next winter and could supplement ASU soundings near Boone during NWFS events.

Baker reported on some student research projects at ASU, including some promise in spatial analysis of snowfall events using MODIS imagery (thesis in the works and presentation be readied for the 2013 Eastern Snow Conf), and an analysis of the Roane Mtn snowfall data set and MRR data.

Future calls:

Next call will be in the second half of May to share where we are with the NWA presentation outlines and move toward completion of abstracts. There will be another Doodle poll!