

## **NW Flow Snow Conf Call Minutes for April 20, 2012**

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

### **Field Projects/Observations:**

Baker reported acquisition of an MRR for Boone/Poga Mtn is looking like a reality! If all goes well, should have it by early May, and the plan is to use it in Boone during the warm season and up at Poga Mtn during the cool season.

Doug still has quite a few sondes/balloons available from the slow winter season, and some students still need to have the launch experience for credit. Early next week's wind and cold advection is a consideration.

Ed mentioned that the Black Mtn site (KY Mesonet) should be up and running by late spring/early summer.

### **Modeling:**

David Hotz reported that a researcher at Oak Ridge Nat'l Lab is planning to run a mesoscale model, and the domain may reach into parts of the Appalachians, so could be another resource for us. He will keep us informed as to if/when output is publicly available.

On a related note, Steve mentioned that there has been talk about getting a model going at Va Tech (associated with new meteorology program), and while it may be initially for a specific project and a very small domain east of the mountains, eventually there should be something running that covers a larger domain. No timetable yet.

### **Other research:**

Larry commented that GSP has a couple local winter event reviews (web-based) that for some reason are not on their public page, but he will make sure get placed there and will let us know when they are.

Va Tech student has almost completed map compositing work for NWFS synoptic patterns and will have it done by the end of the semester. Steve, Larry, Baker, and Doug will be touching base again soon on this overall project, including adding any recent events to growing database, considering how best to use the composite maps, and deciding what the next steps are.

Baker reported on a number of projects students at ASU are working on and planning to present at the upcoming Eastern Snow Conference. These include something related to large scale patterns (I missed some details of this), analyzing the ability of MODIS imagery to capture the spatial extent of snow

cover, additional work on backward trajectory analysis for NWFS events (expanding on work of Perry and Konrad in 2007), and a snow microscopy project comparing ice crystal morphology with MRR signal and Parcival data on recent and past events.

Doug reported that his manuscript on the Dec 2010 event submitted to Wea and Fcstg is in final minor edit stage and should be approved for publication by late summer or early fall.

**Future calls:**

The team thought it would be good to have at least a couple of calls throughout the summer but not necessarily every month, and since we want to maximize participation we will use Doodle poll to schedule these. **The next call will be some time in June**, and the Doodle link will go out soon.