

NW Flow Snow Conf Call Minutes for June 6, 2012

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

Field Projects/Observations:

Baker shared that the ASU MRR vertically pointing radar is now set up on campus and they are getting the "OPL" display configured so the rest of us can get access to the output. The plan will be to move it to Poga Mtn for the cool season.

Baker also mentioned that the NC ECONet station for Boone will be moving from the landfill to campus (Broyhill Center) since the previous location may have been the cause of anomalously high temperature readings. Also, there are plans for a new one on top of Mt. Jefferson in Ashe Co NC.

Modeling:

Kevin at RLX mentioned they have recently upgraded to the latest version of the WRF-EMS (3.2?) and are running two 12km domains (an ARW and NMM) that cover the Great Lakes, and then with an inner 5km nest centered over WV. These initialize using the new RAP.

Steve added that RNK is in the process of upgrading to the new WRF-EMS, and will be initializing with RAP as well, and then by next cool season shifting the domain to cover at least part of the Great Lakes.

Other research:

Synoptic map composites for NWFS categories has been completed based on the NCEP/NCAR re-analysis data (NARR does not include 2011 yet, but we might need to re-do the wind maps with NARR once 2011 comes in). In the process of organizing these in a presentable way so we can compare and offer some meaningful commentary on. Steve K, Larry, Baker, and Doug are working on this project.

Baker and Doug have figured out how to extract 700mb omega from NARR data for Poga Mtn, and can do it for McCross WV as well (a student will work on) for the 2006-2011 database of events. Other students are presenting trajectory work at Eastern Snow Conf in NY this week, and posters will be shared with rest of the team.

Hydrometeorological Testbed – Southeast (HMT-SE) may have some life again, with a pilot project ("HMT-SEPS") beginning in western NC for next year (2013-2014). The scope (geographical and overall) looks like it will be focused mainly in the Pigeon River basin and with an emphasis on improving QPE, but there

may be some efforts across a somewhat broader area. New data sets (including a few more vertically-pointing MRRs and surface stations) are likely going to be deployed somewhere in this region.

Other news:

Baker reported that a decision has been made to hold the 2014 Eastern Snow Conf in Boone! So obviously an opportunity to share our team's recent work at this conference, and motivation to complete some of our ongoing projects in time for it. This is typically held in June. More details as they become available.

Doug's final version of the manuscript on the Dec 2010 event and upstream boundary layer influences that was submitted to Weather and Forecasting has been approved for publication, and should appear later this year. Congratulations Doug!

Future calls:

Our second call will likely be in early August, and Steve will send a Doodle poll link by end of June to schedule the exact date.