

NW Flow Snow Conf Call Minutes for Oct 14, 2015

Participants from JKL, MRX, RNK, and ER SSD

Hi Res model QPF validation study:

Reminder that AppState is keeping the following for a 7-day running archive:

- HiResW-ARW (4km, new cycle every 12 hrs, out to 48 hrs)
- HiResW-NMMb (same as above)
- NAMnest (NMMb) (4km nest, new cycle every 6 hrs, out to 60 hrs)
- HRRR (3km, new cycle every hour, out to 15 hrs)

For any significant event, but especially for unique or significant NWFS events this upcoming season, please remember to request for a specific time window to be saved off. Make a request by contacting either Baker Perry (lbperry@appstate.edu) or Steve Keighton (stephen.keighton@noaa.gov) and this will be passed along to the AppState IT contact, Daryl Cook. The 7-day running archive is available at the site below, and we will let you know how to access any permanent archives:

<http://climate.appstate.edu/Data/noaa/>

While we currently do not have any formal evaluation project underway (still hopefully that later this winter that could begin at UNC-A), one thing any of us can do is save off images of HiRes model forecasts (QPF, SnowAccum, Simulated Repl) and corresponding verification of radar or snowfall analysis of interesting cases where the models either did well or struggled with amounts or placement of high snow amounts or locations of bands. This could start discussion and help determine some specific goals of a more formal evaluation project.

Related to this is the status of the HREF “ensemble” of HiRes models that Brian Miretzky mentioned in his briefing to us in August. This output is being saved on the NCEP FTP server, and Brian will look into a web site for viewing live data and/or with more details about the HREF components. We will probably not add this to the AppState rolling archive until we have some experience viewing the data. Also, the HRRR ensemble (HRRRe) is still a season or two down the road.

Data Sets and soundings:

David Hotz mentioned a new met tower was just installed in Smoky Mtn Natl Park at about 2,200 ft on the west side. This includes T, wind, precip, and snow.

Placement is largely for downslope southeast winds, but also can help with upslope precip and snow from the NW.

Ed Ray at JKL mentioned that while some of the KY Mesonet sites tend to be up and down (funding is a challenge), they do maintain an archive so if the group wants any data from any eastern KY sites (including Black Mtn in Harlan Co) we can coordinate that through Ed or Steve K. Note that the Black Mtn site at 4000ft (BMTN) has not reported since May so hopefully it will be up again for this winter.

Finally, we can request a special sounding from Oak Ridge through David at MRX for significant events, including unique or significant NWFS. Doug Miller reports via email that SEMPE1516 for UNC-A balloon launches is a go again for this upcoming season, so coordinate with him if we feel there is a need to special launches there.

Sandy journal update:

The team is working on updates to the manuscript to meet our deadline of Nov 1 to get the next draft back to WAF.

Future calls:

We will start monthly calls, even if short, from this point forward through the winter, so next call would be sometime in mid-November. **Steve will send a Doodle poll** to set up the Nov call.