

NW Flow Snow Conf Call Minutes for Dec 16, 2015

Participants from AppState, UNC-A, JKL, GSP, and RNK

Hi Res model QPF validation study:

Another 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), and cc: Steve Keighton (stephen.keighton@noaa.gov) as well. 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/>

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 can be found online at:

http://www.emc.ncep.noaa.gov/mmb/SREF_avia/FCST/HREF/web_site/html/refl.html

...and background info was attached with the email that contained these minutes.

Don't forget about the Storm Scale Ensemble of Opportunity (SSEO) from SPC as well, which contains a few winter elements:

<http://www.spc.noaa.gov/exper/sseo/>

Consider collecting and sharing examples of how HiRes ensemble output does (good or bad) with NWFS events this season.

Data Sets and soundings:

More details on new met towers in eastern TN were passed along via email from David Hotz. The first one (Elkmont) is in the Great Smoky Mtns Nat'l Park.

These include T, RH, rainfall and wind, . Placement is largely for downslope southeast winds, but also can help with upslope precip and snow from the NW.

Elkmont, TN (GSMNP)

<http://elkmont.atdd.noaa.gov/>

Camp Creek, TN

<http://dataviewer.atdd.noaa.gov/campcreek/default.htm>

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

Snow Squall Parameter:

Attached with the email is a link to a presentation with background on the development and use of this parameter for strongly forced but brief heavy snow squalls, and an example of an event from Feb 2015 that impacts the srn Apps as well as many other areas. This parameter is available for most models in AWIPS-2 under the Volume Browser (Fields - Winter menu; Planes - Layer), and also as an analysis field on SPC's Mesoanalysis page under the Winter menu.

Sandy journal update:

The WAF article has been accepted for publication! Congrats to all involved. I will pass along when a link is available for an early copy.

Future calls:

A January call will be scheduled for the 2nd half of the month, but may be on relatively short notice (less than a week ahead of time).