NW Flow Snow Conf Call Minutes for Mar 3, 2015
Participants from UNC-A, AppState, WFOs MRX, RNK, and ER SSD

Hi Res model QPF validation study:

Thanks to efforts of several of the team, especially Brian Miretzky, Jonathan Blaes, and Baker Perry (and AppState server admin personnel), we now have a 7-day running archive set up for select fields and a sub-domain (roughly the eastern half of the CONUS) for the following NCEP HiRes models:

- 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)

These are raw model files, available from a server at AppState (URL provided to the NWFS group via email). The files are stored in directories by date (according to UTC time), and can be requested for permanent storage by anyone in the NWFS group. Here are the guidelines and protocol for archive request:

- Our priority is for fairly significant NWFS events, including those that are associated mesoscale forcing, beyond just the standard terrain signals. Next, we are interested in any significant synoptic snow events that also have important mesoscale features associated with them. Finally, since we are nearing the end of winter season right now, we may also consider significant severe events as well. Currently, space is not an issue but it could be if we request to save off too much.

- Any requests need to be emailed directly to Baker Perry, and should normally limit requests to the day before the event and the day of the event (keeping in mind that 00 UTC is the start of a new day, so if an event begins at 01Z you may want to consider going back to 2 days before. These requests need to be sent as early as possible after the event rather than expecting Baker to act on the request within 24 hrs if a day needed is about to be purged.

We can also supplement these HiRes models with the larger scale NCEP models (GFS, NAM, RAP) from the NCDC NOMADS server (nomads.ncdc.noaa.gov) at just about any time as these go back about one year.

Again, these are RAW model output fields and not post-processed. Doug Miller has gempak routines available for processing and displaying the data if/when that is needed so coordinate with him if there is a compelling reason to examine some data before our validation project more formally begins.

Sandy NWFS journal article:

ER SSD has provided their review, and its back in our court for revision. The authors will tentatively shoot for mid-April to get this done.

GFE Tools for AWIPS:

Steve K at RNK has loaded both "CamPoP/Qpf" and "Froude" GFE tools from WFO GSP (see notes from last month) but has not yet got them set up and working.

UNC-A Student Soundings

They have resources for two more IOPs this semester, and would ideally like to capture a classic NWFS event (since we really haven't had any this season), but will also likely activate for a major synoptic snow event if we have one late season or a major gradient wind event. Possibly also for a major severe event as long as lightning is not a threat right on campus.

Future calls:

Next call planned for Tues Apr 7 @11am