MRMS v11.6.1 Release Notes

The patch includes the following:

1. Increased AutoNowCaster's product resolution from 5 to 1 km
2. Additional products converted to SPC NIDS
3. Modification to colormaps for RIDGE2 geotiffs
4. Update to FLASH GRIB2 internal compression ← **new with v11.6.1**

Summary

1. Increased AutoNowCaster's product resolution from 5 to 1 km

   AutoNowCaster's (ANC) main user is the Aviation Weather Center (AWC). When added to MRMS, AWC requested the ANC products (Convective Likelihood, Final Forecast) be distributed on a 0.05 deg x 0.05 deg (~5km) grid since this resolution worked best with their display software. The ANC Dev team recently revisited the resolution with AWC and learned that products on a 0.01 deg x 0.01 deg (~1km) grid are now preferred.

2. Additional products converted to SPC NIDS

   The Storms Prediction Center (SPC) has requested three existing MRMS products be added to the group that is converted to NIDS. The products are MergedReflectivityComposite (raw CREF), MergedBaseReflectivity (raw BREF), MergedBaseReflectivityQC (QC'd BREF).

3. Modification to colormaps for RIDGE2 geotiffs

   The RIDGE2 team has asked for colormap modifications to make the radar boundaries transparent. This means setting the "Unavailable/NoCoverage" values to be the same as the "Missing" values. No other products will be affected.

4. Update to FLASH GRIB2 internal compression

   The default internal compression used by MRMS GRIB2 is PNG. With MRMS v11, the internal compression for FLASH GRIB2 was changed to a different scheme that generally does not perform as well and results in larger file sizes (gunzip'd). This volume increase will unnecessarily use extra bandwidth on the SBN. With the v11.6.1 patch, FLASH will return to using PNG internal compression.