FNMOC Top Three Conventional Data Challenges

1. TAC to BUFR Migration
   a. Level of effort difference between decoding (easy) and assimilating (hard) (Example: WIGOS Implementation)
   b. Cross Domain Solution Challenges (need to support 3 enclaves)
   c. Discovery of existing (or new) BUFR Bulletins (replacing TAC bulletins)
   d. Education to USN/USMC observers on the advantages of collecting/submitting observations in BUFR format (i.e. high-density radiosondes)

2. Limited Access to R&D Products (for evaluation (decoding & assimilation)) prior to transitioning operational products
   a. Reason: Lack of notification/engagement or IA / Networking Challenges
   b. Example: Access to updated-algorithm GOES-16 FTW on NESDIS STAR

3. Minimizing Single Points of Failure
   a. Operationally use GTS, NOAAPort, PDA, Moving Weather, NAVO, J-OBS and Message Traffic to mitigate loss of observational data
   b. Will continue to strongly advocate for data availability on multiple distribution systems