



# ***557<sup>th</sup> Weather Wing***

## ***Conventional Data***



### ■ **Data Coverage Challenges & Mitigation**

- **Incomplete, inconsistent, or incorrect data documentation impairs data exploitation and archiving (e.g., erroneous metadata)**
- **Observations from poorly developed countries require significant quality control; problem is exacerbated with nation unrest**
- **A centralized knowledge bank and better, standardized documentation would improve data usage and enhance data sharing**

### ■ **Data Processing and Assimilation Challenges**

- **Many sites are currently sending both TAC and BUFR observations, but they often contain disparities (e.g., lat/long, temperature, pressure, etc.)--substantial workarounds are required to properly process data**
- **Inconsistencies in reporting practices (e.g., mesonets) lead to data being stored incorrectly or not at all**

### ■ **Other Challenges**

- **New WIGOS identifiers--will impact historical databases, quality control, DA, space weather observations, downstream users, etc.**
- **Consideration of a “shared” standardized data set for verification**