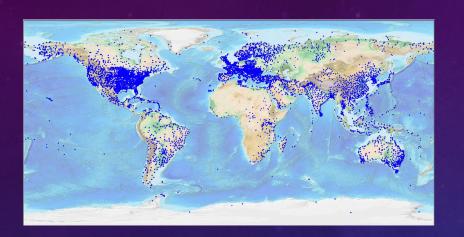


NOAA Integrated Surface Database (ISD)

- Weather stations around the world
- Weather report on precipitation (rainfall, snowfall, etc.)
- Can we detect snowfall globally under different environmental conditions?

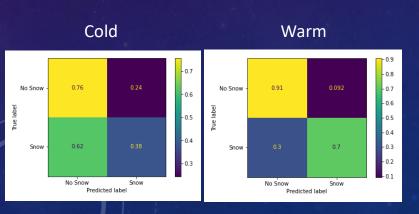


AMSU-A / MHS

- Match ground observations with satellite measurements and GFS model analysis
- Build a model off satellite and GFS data and train the model with "ground truths"



Logistic Regression



Neural Network



Random Forest

