

This student project was an Aviation Meteorology 2 project at the Florida Institute of Technology, Spring 2025.

I was assigned KBOS. This is the Boston Logan International Airport in Boston, Massachusetts. This project exposed me to a set of skills that are helpful in coding using python programs, data entry, data visualization and weather data analysis.

## The Beginning:

First the asos was located and I started with data collection. 6 years of one minute ASOS data was collected. Then 15 years of five minute ASOS data was collected.

## The Main Project:

I concluded various data collection tasks to retrieve data on wind speeds, ceiling counts, Fog occurrences and weather event frequencies. With that data I exported it into excel and created visual graphs to analyze and explain to other students at the showcase. I also gained experience in NOAA's WCT to create weather radar images. I generated a radar image of January 27, 2015 for my special weather event.

Finally, I created this poster to present at the Aviation Weather showcase Spring 2025 to explain my findings.