SWPC R2O Early Results
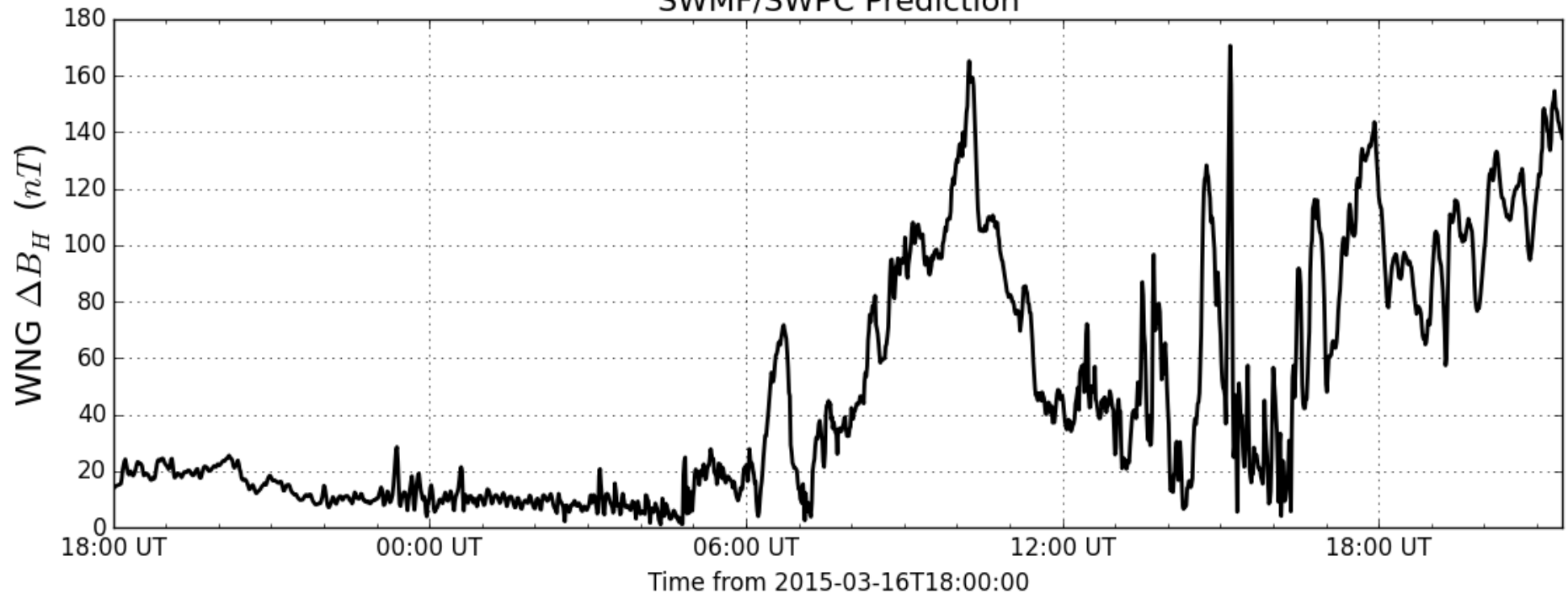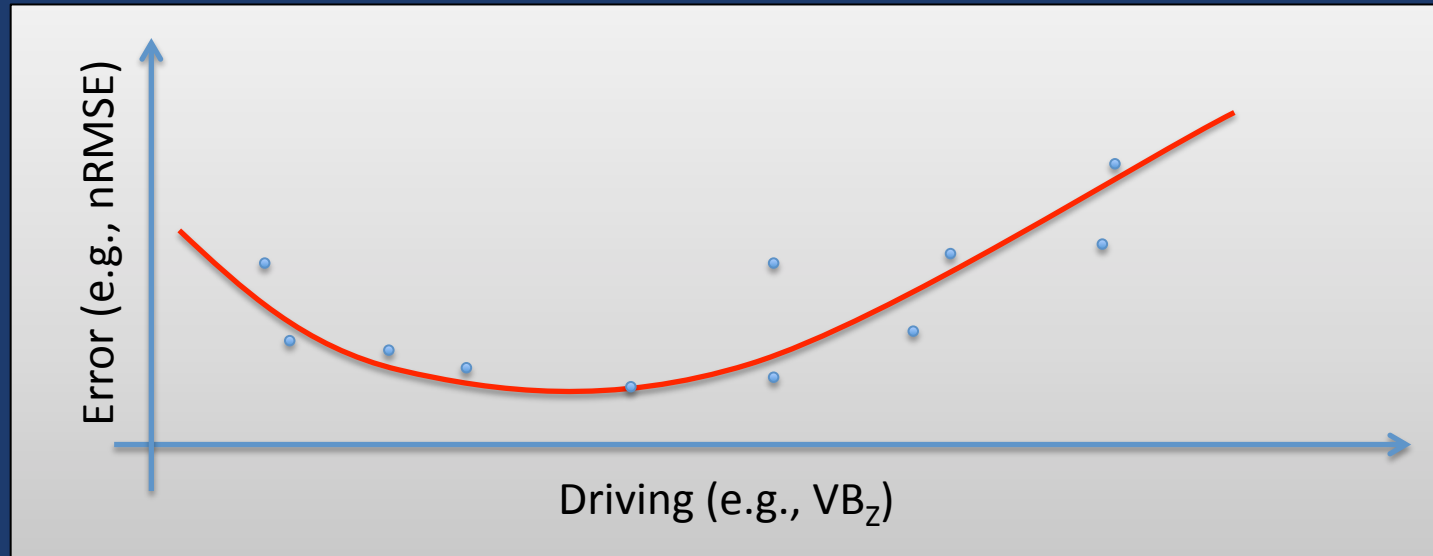
# Magnetometer Predictions

- What is our confidence in this prediction?
- What are the error bars?
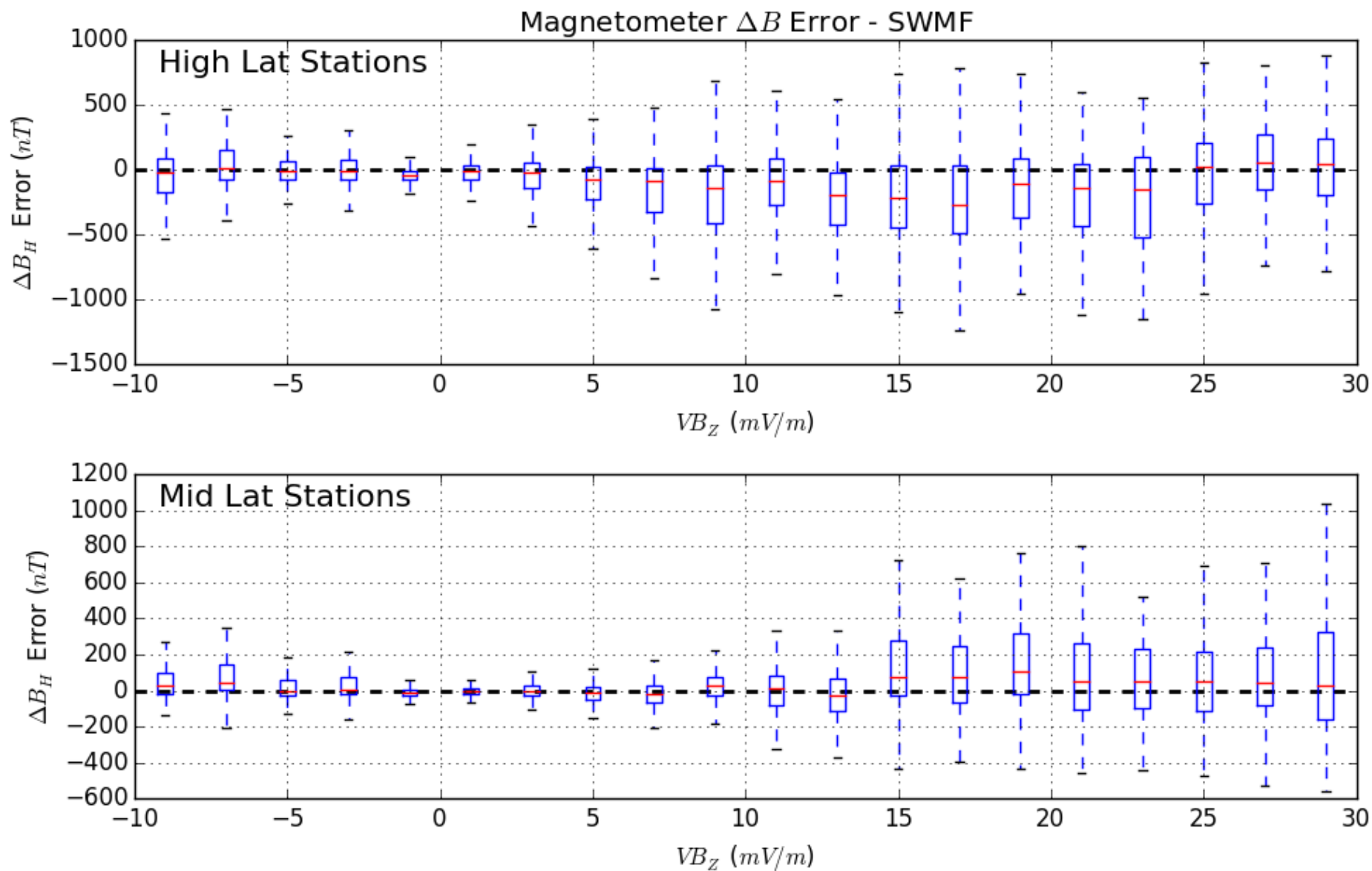- What if there is no observation for comparison?

Error vs. Driving

- Let's examine error as a function of driving.
- Take CCMC/SWPC selection results, sort error by indicators of activity (VB_Z, SYM_H, AE)
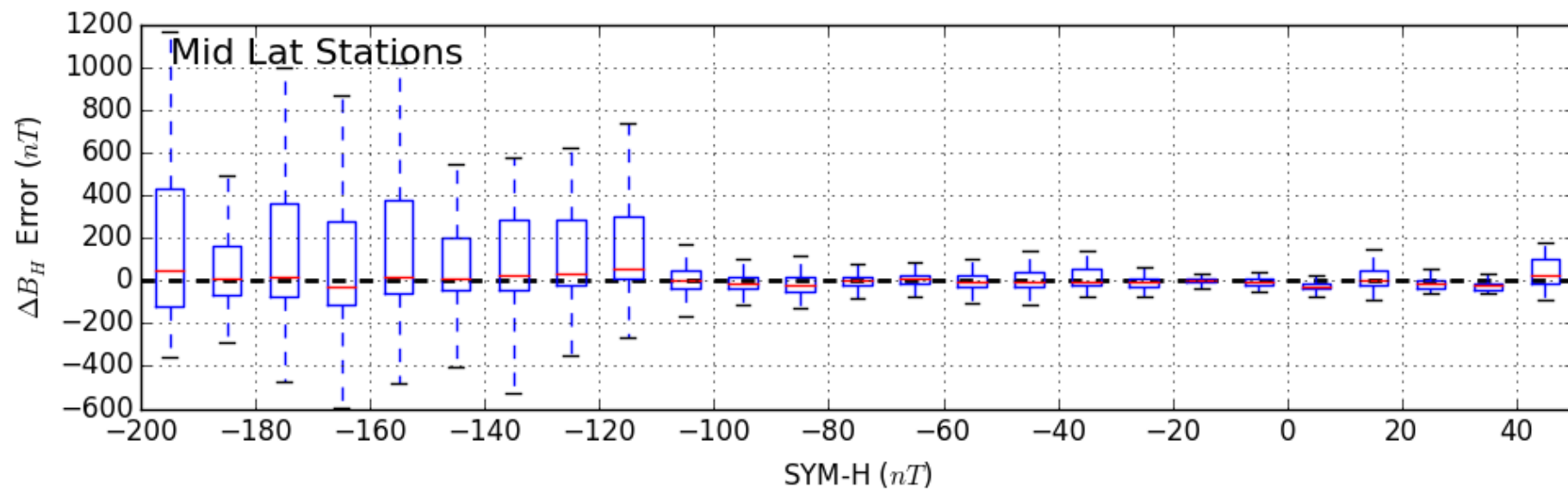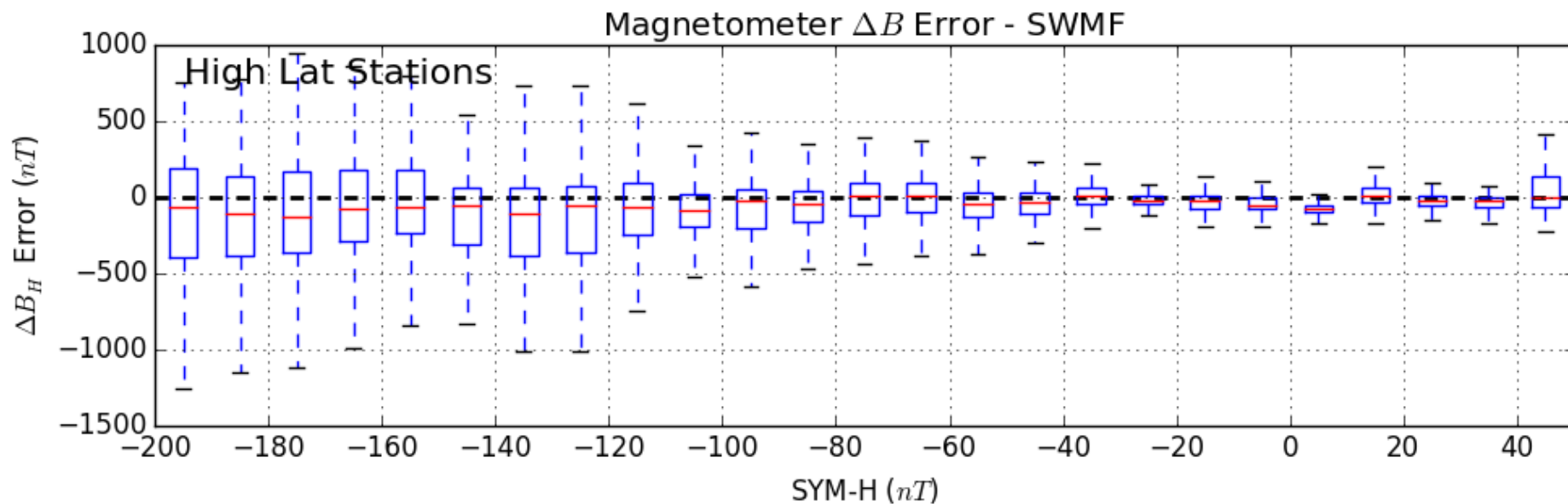- Future efforts: repeat for long term data set.

Magnetometer ΔB Error - SWMF

Magnetometer ΔB Error - SWMF

Magnetometer ΔB Error - SWMF

High Lat Stations
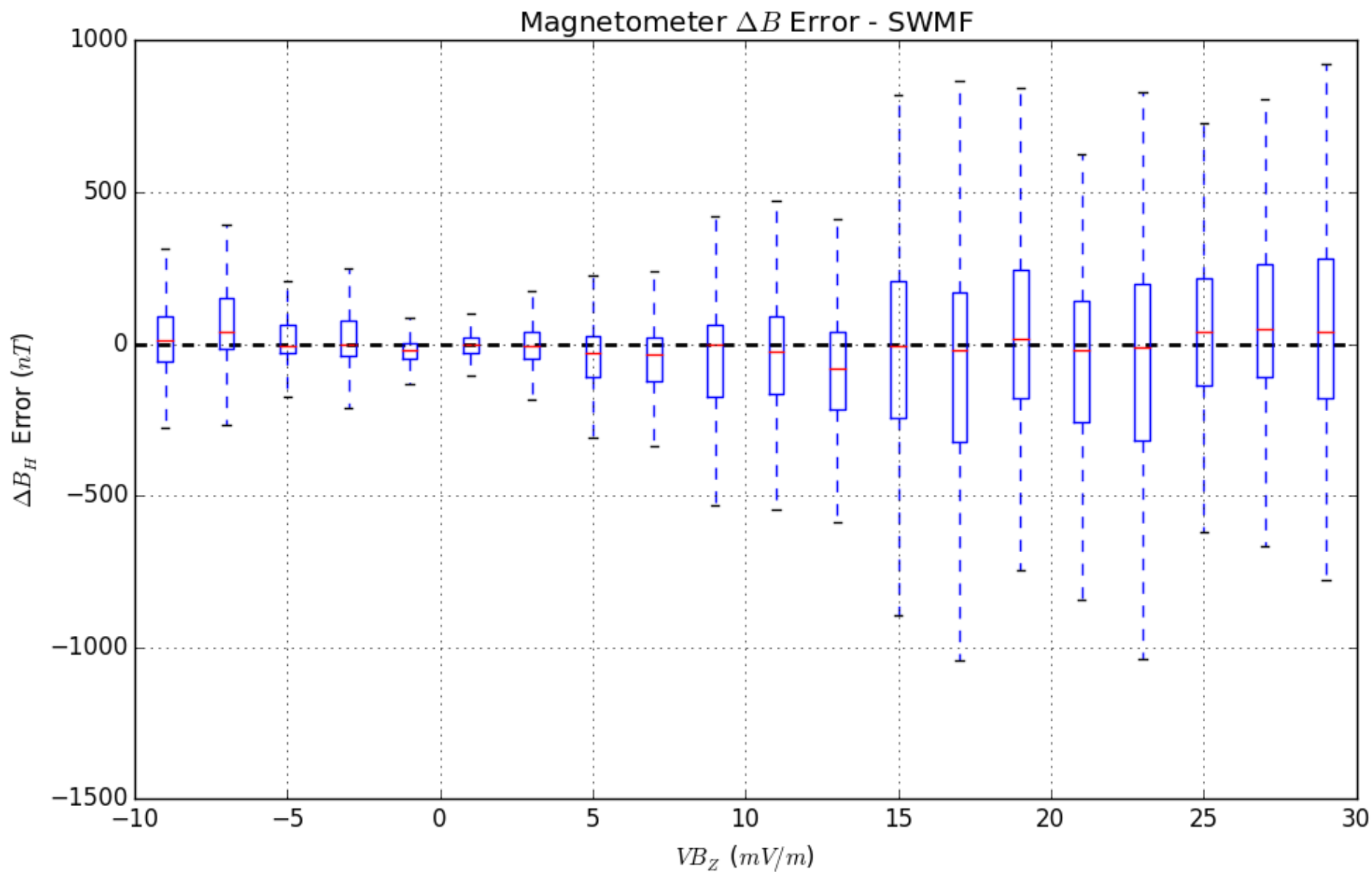
Mid Lat Stations

Error Bars on Predictions

- We can use the IQR to set error bars on predictions.
- We have results for all models from the SWPC selection work.
- Results are PRELIMINARY and must be expanded beyond 6-event database.