

Comparing the Accuracy of the PRAISE-HK AQHI Modeling System to Real Measurements Taken with the PEK Sensors

Nolan Cheng

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Abstract

Over the span of roughly 6 weeks, I was tasked with utilizing the Personal Exposure Kits, or PEK sensors, to compare the relative accuracy of HKUST's PRAISE-HK model versus real measurements. I attempted to create and follow procedures of my own creation in order to gather data. I then created software using Python to display this data and manipulate it in valuable ways.

1 Concepts

2 Procedure

3 Software

4 Results

5 Potential Improvements