

Data Intake Processing and Verification Report

Background Information

- **Original Dataset Name:**
 - In-situ tower atmospheric measurements of carbon dioxide, methane and carbon monoxide mole fraction for the Indianapolis Flux (INFLUX) project, Indianapolis, IN, USA
- **GHG Center Dataset Title:** Carbon Dioxide and Methane Concentrations from the Indianapolis Flux Experiment (INFLUX)
- **Dataset Provider:** NIST
- **Date Obtained:** August 2025
- **Location Obtained From:**
 - <https://www.datacommons.psu.edu/download/meteorology/influx/influx-tower-data/wmo-x2019-scale/>
- **Data Location in GHG Center:** influx-testbed-ghg-concentrations
- **Data POC(s):** Dr. Kenneth J. Davis
- **Dataset File Type(s):** DAT (.dat)
- **Projection (if different from WGS84):** N/A

Data Transfer Confirmation

An SHA-256 checksum is used to detect high-level errors within data transmissions. Results from individual checksum file comparisons of pre-transfer and post-transfer shows all files were transferred successfully and no individual files had any transfer issues.

Data Intake Process

- https://us-ghg-center.github.io/ghgc-docs/data_workflow/influx-testbed-ghg-concentrations_Data_Flow.html

Summary

- We are confident that the display of data in the GHG Center is correct
- There were no problems identified in the data
- Link to [Data Usage Notebook](#)
- Link to [US GHG Center Data Catalog overview page](#)

Report Completed on: 9/15/2024

MSFC POC for questions: [Deborah Smith](#), [Siddharth Chaudhary](#)