

Data Intake Processing and Verification Report

Background Information

- **Original Dataset Name:** GEOS-Carb CASA-GFED Monthly Fire Fuel NPP Rh NEE Fluxes 0.5 degree x 0.5 degree V3 (GEOS_CASAGFED_M_FLUX) at GES DISC
- **GHG Center Dataset Title:** CASA-GFED3 Land Carbon Flux
- **Dataset Provider:** NASA
- **Date Obtained:** June 2023
- **Location Obtained From:** <https://doi.org/10.5067/03147VMJE8J9>
- **Data Location in GHG Center:** casagfed-carbonflux-monthgrid-v3
- **Data POC(s):** Dr. Lesley Ott
- **Dataset File Type(s):** NetCDF
- **Projection (if different from WGS84):** NA

Data Intake Process

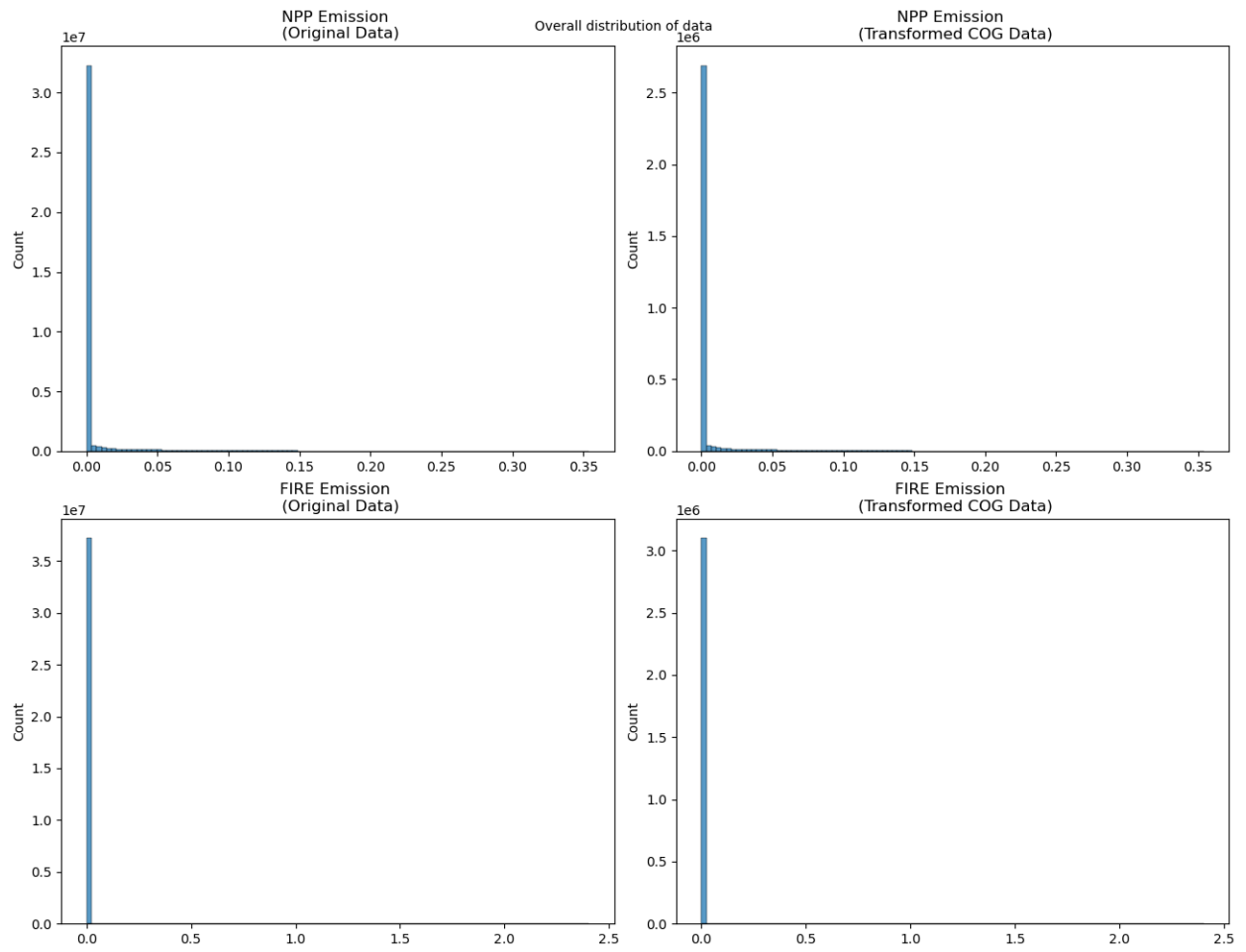
- https://us-ghg-center.github.io/ghgc-docs/data_workflow/casagfed-carbonflux-monthgrid-v3_Data_Flow.html

Overall Dataset Statistics

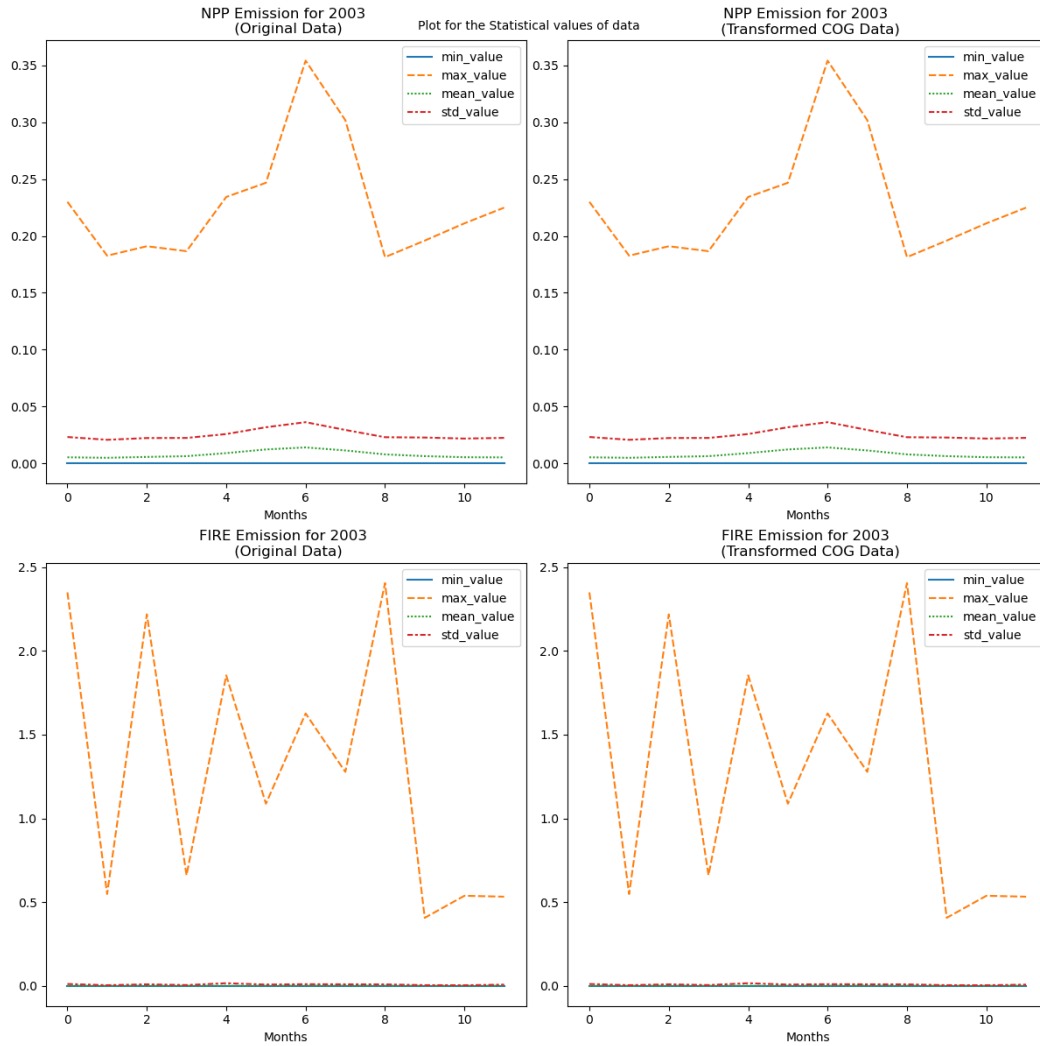
- Statistics across all files for all variable:

	Minimum (kg C/m ² /month)	Maximum (kg C/m ² /month)	Mean (kg C/m ² /month)	Standard Deviation
Original Data	-0.23226	6.50496	0.003157	0.01709
Transformed Data	-0.23226	6.50496	0.003157	0.01709

- Distribution of values in g CH₄/m²/year across all files for Total CH₄ emission variable and Microbial CH₄ emission variable:



- Statistics for NPP emission and FIRE emission variable in 2003:



- Link to transformation record in [Jupyter Notebook](#)
- All values are in expected range

Summary

- We are confident that the transformation and display of data in the GHG Center is correct
- There were no problems identified in the data
- Link to [user notebook](#)
- Link to GHG Center data catalog [overview page](#)

Report Completed on: 10/31/2023

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