Data Intake Processing and Verification Report

Background Information

- **Original Dataset Name:** GEOS-Carb MiCASA Daily NPP Rh Fire Fuel Fluxes 0.1 degree x 0.1 degree V1
- **GHG Center Dataset Title:** MiCASA Land Carbon Flux (v1)
- **Dataset Provider:** NASA
- **Date Obtained:** April 2024
- **Location Obtained From:** N/A - direct delivery to US GHG Center S3 bucket. (note: data in NetCDF format can be obtained at https://portal.nccs.nasa.gov/datashare/gmao/geos_carb/MiCASA/v1/netcdf/MICASA_D_FLUX/)
- **Data Location in GHG Center:** micasa-carbonflux-daygrid-v1
- **Data POC(s):** Dr. Brad Weir
- **Dataset File Type(s):** Cloud Optimized GeoTIFF (COG)
- **Projection (if different from WGS84):** NA

Data Intake Process

- https://us-ghg-center.github.io/ghgc-docs/data_workflow/micasa-carbonflux-daygrid-v1_Data_Flow.html

Confirmation of Successful Data Transfer

If transferred from s3 to s3:
Data was transferred from a data provider owned S3 bucket to a US GHG Center S3 bucket. When data is transferred between S3 buckets, Amazon Web Services (AWS) automatically computes and verifies the checksums to ensure data integrity by default. This process helps detect any data corruption or errors that may occur during transit.

If transferred from local on prem to s3:
The MiCASA Land Carbon Flux v1 data was transferred by the data provider from an on premises location to a US GHG Center s3 bucket. Checksums were provided with the data to verify data integrity after delivery.

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 Data Usage Notebook
- Link to US GHG Center Data Catalog overview page

Report Completed on: 4/12/2024
MSFC POC for questions: Deborah Smith, Siddharth Chaudhary