National Aeronautics and Space Administration
Goddard Earth Science Data Information and Services Center (GES DISC)

README Document for

High-resolution mean North American methane fluxes for 2010-2015 optimized with GOSAT satellite data V1

Last Revised June 23, 2021

Goddard Earth Sciences Data and Information Services Center (GES DISC)
http://disc.gsfc.nasa.gov
NASA Goddard Space Flight Center
Code 610.2
Greenbelt, MD 20771 USA

Table of Contents

1.0 Introduction

High-resolution mean North American methane fluxes for 2010-2015 optimized with GOSAT satellite data V1 consists of products generated for the *Carbon Monitoring System (CMS) project*.

Information about this dataset can be found on the dataset landing page doi:10.5067/HD8VRAZN65CL and in Maasakkers et al. 2021.

2.0 Data Organization

This dataset consists of one netCDF file named CMS_HR_MNA_CH4_FLUX_GOSAT_2010_2015_Optimized_Fluxes.nc with the methane flux in a variable called flux_ch4.

3.0 GES DISC Data Services

If you need assistance or wish to report a problem:
Email: gsfc-dl-help-disc@mail.nasa.gov
Voice: 301-614-5224
Fax: 301-614-5268
Address:
Goddard Earth Sciences Data and Information Services Center NASA Goddard Space Flight Center Code 610.2 Greenbelt, MD 20771 USA

4.0 References

Maasakkers, J. D., Jacob, D. J., Sulprizio, M. P., Scarpelli, T. R., Nesser, H., Sheng, J., Zhang, Y., Lu, X., Bloom, A. A., Bowman, K. W., Worden, J. R., and Parker, R. J.: 2010–2015 North American methane emissions, sectoral contributions, and trends: a high-resolution inversion of GOSAT observations of atmospheric methane, Atmos. Chem. Phys., 21, 4339–4356, https://doi.org/10.5194/acp-21-4339-2021, 2021