

# Global Fire Emissions Database, Version 4 (GFED4) Burned Area Data Access Instructions

## 1 Introduction

The fourth version of the Global Fire Emissions Database (GFED4) burned area data set provides global, monthly burned area at 0.25° spatial resolution from mid-1995 through December 2016, and higher temporal resolution daily burned area for a subset of the time series extending back to August 2000. Note that GFED4 was primarily derived from the now-obsolete Collection 5.1 MODIS MCD64A1 burned area product, which was superseded by the Collection 6 MCD64A1 product in early 2017. Users desiring improved and/or more recent burned area data should consider using the Collection-6 MCD64A1 product instead (see <https://lpdaac.usgs.gov/products/mcd64a1v006/>).

## 2 Data Access

GFED4 burned area data are available from the University of Maryland `fuoco` SFTP (formerly FTP) server. Connect using the following information:

Server: `fuoco.geog.umd.edu`  
Login name: `fire`  
Password: `burnt`

As a consequence of the transition from FTP to SFTP, most users will unfortunately no longer be able to download product files using their regular web browser without first installing a third-party browser extension. For downloading product files without a browser, you can use the command-line `sftp` and `lftp` clients, or freely available GUI file transfer software such as FileZilla (<https://filezilla-project.org>) and Cyberduck (<https://cyberduck.io/>). SFTP-capable commercial software is also available and includes the examples listed below.

For Windows:

- SmartFTP (<https://www.smartftp.com/>)
- WinSCP (<https://winscp.net>)

For MacOS:

- ForkLift (<https://binarynights.com/>)
- Commander One (<https://mac.eltima.com/file-manager.html>)
- Transmit (<https://panic.com/transmit/>)
- Viper FTP (<https://viperftp.com/>)
- Flow (<http://fivedetails.com/>)

Once connected, enter the data subdirectory to access the following abridged directory tree:

```
.
|-- GFED
|   |-- GFED3
|   |   |-- monthly
|   |   |-- hdf
|   |-- GFED4
|       |-- daily
|       |   |-- 2000, 2001, ..., 2015
|       |-- monthly
|-- MODIS
|-- VIIRS
`-- VIRS
    |-- monthly
```

From here, all GFED4 data files can be found in the GFED4 subdirectory.

## 2.1 Example sftp command line session

```
$ sftp fire@fuoco.geog.umd.edu
Password:
Connected to fuoco.geog.umd.edu.
sftp> cd data
sftp> ls
GFED  MODIS  VIIRS  VIRS
sftp> cd GFED/GFED4/monthly
sftp> ls GFED4.0_MQ_2004*
GFED4.0_MQ_200405_BA.hdf
GFED4.0_MQ_200409_BA.hdf
GFED4.0_MQ_200402_BA.hdf
GFED4.0_MQ_200403_BA.hdf
GFED4.0_MQ_200408_BA.hdf
GFED4.0_MQ_200406_BA.hdf
GFED4.0_MQ_200401_BA.hdf
GFED4.0_MQ_200404_BA.hdf
GFED4.0_MQ_200407_BA.hdf
GFED4.0_MQ_200411_BA.hdf
GFED4.0_MQ_200410_BA.hdf
GFED4.0_MQ_200412_BA.hdf
sftp> progress
Progress meter disabled
sftp> get -p GFED4.0_MQ_2004*
Fetching /data/GFED/GFED4/monthly/GFED4.0_MQ_200401_BA.hdf to
GFED4.0_MQ_200401_BA.hdf
Fetching /data/GFED/GFED4/monthly/GFED4.0_MQ_200402_BA.hdf to
```

```
GFED4.0_MQ_200402_BA.hdf
Fetching /data/GFED/GFED4/monthly/GFED4.0_MQ_200403_BA.hdf to
GFED4.0_MQ_200403_BA.hdf
Fetching /data/GFED/GFED4/monthly/GFED4.0_MQ_200404_BA.hdf to
GFED4.0_MQ_200404_BA.hdf
Fetching /data/GFED/GFED4/monthly/GFED4.0_MQ_200405_BA.hdf to
GFED4.0_MQ_200405_BA.hdf
Fetching /data/GFED/GFED4/monthly/GFED4.0_MQ_200406_BA.hdf to
GFED4.0_MQ_200406_BA.hdf
Fetching /data/GFED/GFED4/monthly/GFED4.0_MQ_200407_BA.hdf to
GFED4.0_MQ_200407_BA.hdf
Fetching /data/GFED/GFED4/monthly/GFED4.0_MQ_200408_BA.hdf to
GFED4.0_MQ_200408_BA.hdf
Fetching /data/GFED/GFED4/monthly/GFED4.0_MQ_200409_BA.hdf to
GFED4.0_MQ_200409_BA.hdf
Fetching /data/GFED/GFED4/monthly/GFED4.0_MQ_200410_BA.hdf to
GFED4.0_MQ_200410_BA.hdf
Fetching /data/GFED/GFED4/monthly/GFED4.0_MQ_200411_BA.hdf to
GFED4.0_MQ_200411_BA.hdf
Fetching /data/GFED/GFED4/monthly/GFED4.0_MQ_200412_BA.hdf to
GFED4.0_MQ_200412_BA.hdf
sftp> bye
```

### **3 Contact**

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