

Uploading to Arctic Data Center server with Globus GridFTP

For large datasets (e.g. multiple TB or large number of files (1000+)), transferring the files through our website's online submission editor is currently impractical and takes too long. Users uploading smaller file volumes might still encounter this issue depending on their network. In these cases, we recommend using **Globus** to transfer files directly to our server. By using Globus, you can connect directly between your departmental server and our Arctic Data Center servers, which enables much faster network speeds, parallel transfers to maximize throughput, higher reliability, and avoids redundantly transferring data to your laptop or local machine (which often times doesn't even have enough space for larger datasets). If Globus transfers run into a network issue that interrupts them, they often will pick up and resume on their own, or can be restarted, without having to retransfer what was already sent.

On Globus, our Arctic Data Center team has created a Guest Globus Collection, which is a specific storage location where guest contributors like yourself will be able to transfer/upload files to our server from either your personal computer or institution's server. On your end, you will need a Globus account. You can either log in with your personal account, your institutional account, or your ORCID credentials. This account will need to have access to the files you want to transfer, either on your personal computer or your institution's server. If you have multiple accounts, you can link identities by navigating to "Settings" > "Account" > "Link another identity".

To access our server, you will need access granted by our data team administrators, so please reach out to our support team at support@arcticdata.io for assistance in setting that up. When permissions are granted to you for the group, **Arctic-Data-Center Users**, an invitation will be sent to your email, and you will need to accept it by clicking the link for "Click here to apply for membership". After this, please follow the instructions below:

1. Login to [Globus File Manager](#) with your institutional credentials or an ORCID account.
2. On the lefthand menu bar, click "Collections" and search for 'Arctic Data Center' under "Shared With You".
 - a. Click "Arctic Data Center Upload Dropbox". This should say "Guest Collection (GCS)" below it. You can also search 018eec25-6b49-4264-8bfd-58c288a94d69 to find it. There might be another option that says "Arctic Data Center Data Upload" with "Subscribed Mapped Collection (GCS)" below it, but we won't be using that.

Dashboard

File Manager

Activity

Collections

Groups

Flows

Compute

Timers

Streams

Console

Settings

Logout

Help & Sitemap

Collections

Arctic Data Center

Recent Tasks

Administered By You

In Use

Shareable By You

Shared With You

TYPE

All

COLLECTION	HA	SUBSCRIBED	STATUS	ROLE	
Arctic Data Center Data Upload Subscribed Mapped Collection (GCS) on DataTeam			ready		
Arctic Data Center Upload Dropbox Guest Collection (GCS) on Arctic Data Center Data Upload			ready		
doi-10-5440-1984094 Guest Collection (GCS) on ESS-DIVE			ready		
doi-10-5440-1832016 Guest Collection (GCS) on ESS-DIVE			ready		
doi-10-5440-1395495 Guest Collection (GCS) on ESS-DIVE			ready		
ML-corrected atmospheric reanalyses for the winter clear-sky temperature bias over the Arctic sea ice (ERA-5 and JRA-55) Guest Collection (GCS) on NCAR GLADE			ready		
USGS ASC - Walrus Haulout Satellite Imagery Guest Collection (GCS) on Hovenweep AWS S3 Storage			ready		

b. From there, click “Open in File Manager” on the right side of the screen.

3. You should now be in the “File Manager” tab.

Arctic Data Center Upload Dropbox

Overview

Permissions

Roles

Display Name

Arctic Data Center Upload Dropbox

Entity Type

Guest Collection (GCS)

Mapped Collection

[Arctic Data Center Data Upload](#)

Endpoint

DataTeam

Last Accessed

2026-09-04T00:00:00+00:00

Domain

g-7f6054.e9f462.08cc.data.globus.org

Advertised Owner

jones@globus.datateam.nceas.ucsb.edu

Original Owner

Arctic Data Center (904a0e4e-01d2-4e90-a192-dc078577bc5d@clients.auth.globus.org)

Description

Guest collection for data submission to the Arctic Data Center. Contact support@arcticdata.io for access.

Keywords

(not set)

User Message

(not set)

User Message Link

(not set)

Information Link

(not set)

Contact Email

(not set)

Organization

(not set)

Department

(not set)

Other Contact Info

(not set)

Visible To

Public - Visible to all users

Activity Notification Policy

Use: (not set)
Status: Success, Failure

Force Encryption

No

Associated Flow Policy

(not set)

Preserve ModTime

Not set - users can choose to preserve file modification times.

Subscription

[University of California Santa Barbara](#)

Verified by

—

Multi-factor authentication required

No

UUID

018eec25-6b49-4264-8bfd-58c288a94d69

Edit Attributes

Open in File Manager

View Collection Activity

Delete Collection

- a. Click on the pane that says “Arctic Data Center Upload Dropbox”. You will see that you have access to a directory of folders with different names.

- b. In the middle action menu (if you're using the "split" panel view), click "New Folder" to create your own folder with your name. Use the naming convention of [last name]-[first name].

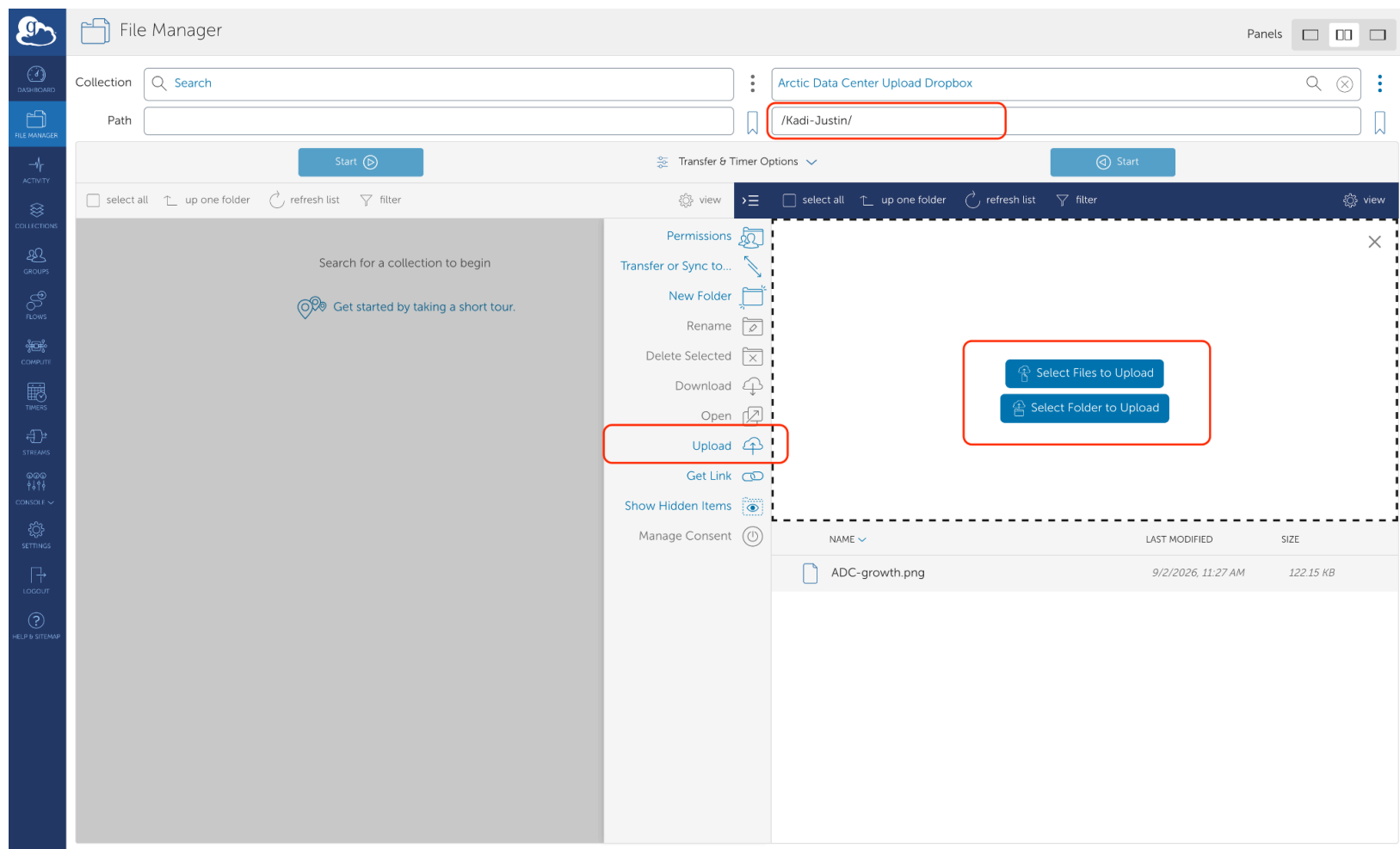
The screenshot displays the File Manager application interface. On the left is a dark blue sidebar with navigation icons for Dashboard, File Manager, Activity, Collections, Groups, Flows, Compute, Timers, Streams, Console, Settings, Logout, and Help & Sitemap. The main area is titled 'File Manager' and shows a 'Collection' dropdown set to 'Arctic Data Center Upload Dropbox' and a 'Path' field with a forward slash. Below these are two panels. The left panel contains a 'Start' button and a 'Transfer & Timer Options' dropdown. The right panel contains a 'Start' button and a 'view' dropdown. In the center, there is a list of folders. The 'New Folder' option is highlighted with a red box, and a tooltip appears over it with the text 'Create a new folder in this directory'. The list of folders includes 'Bonnet-Nathalie', 'Kadi-Justin', and others. The table below shows the details of the folders.

NAME	LAST MODIFIED	SIZE
Bonnet-Nathalie	9/2/2026, 11:35 AM	—
Kadi-Justin	9/2/2026, 10:52 AM	—
	9/2/2026, 11:27 AM	—

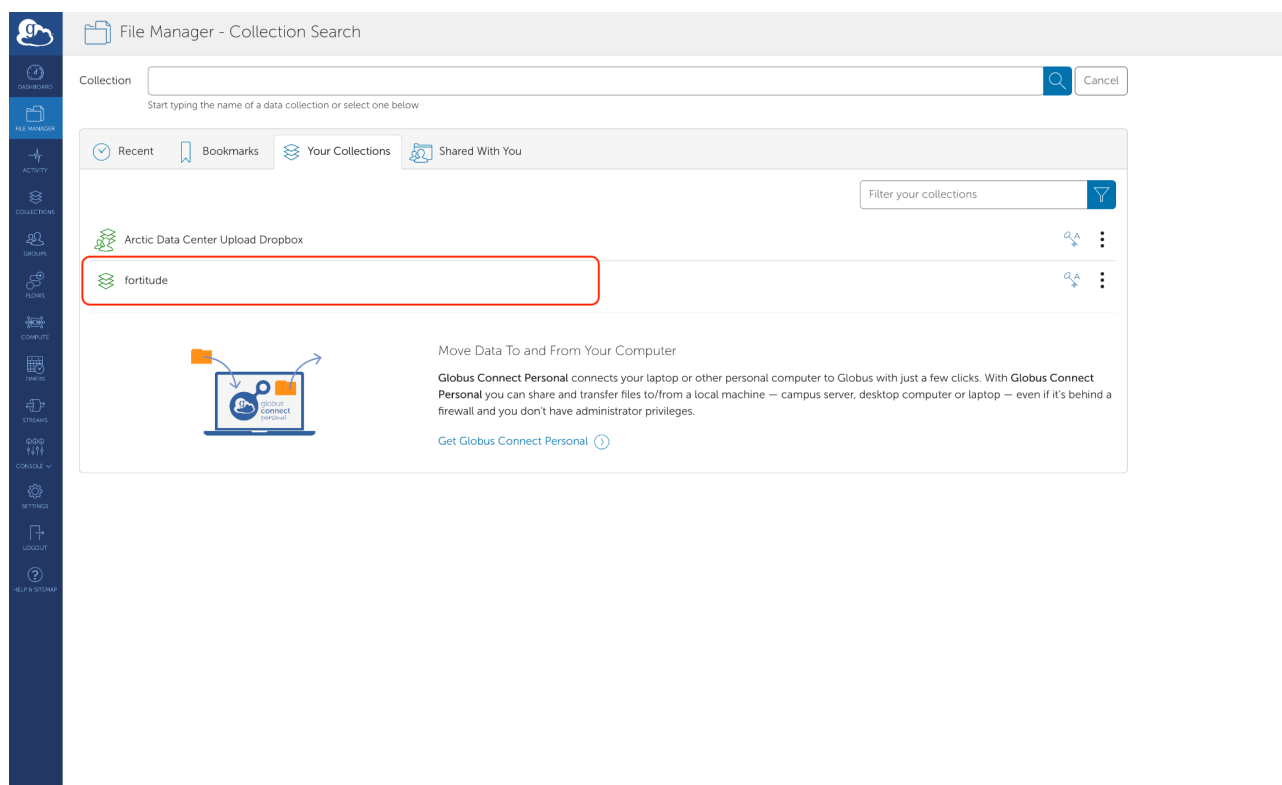
4. To move your files, there are 2 options:

a. **Upload** (useful for quick, smaller files from your local machine)

- i. Navigate to the new directory you made for yourself.
- ii. Click the “Upload” button in the middle action menu.
- iii. From here, you can select files or folders to upload to your new folder you just created. You can organize the files into folders/sub-folders as you see fit. There may be some permission pop-ups, and those are safe to click through.



- b. **Transfer or Sync** (useful for large-scale data, transferring from your university cluster or institutional server, and not copying existing files in target directory from source directory)
- Click the “Transfer or Sync to...” button in the middle action menu.
 - In the pane opposite of the “Arctic Data Center Upload Dropbox”, search for and choose your Collection.
 - For these kinds of transfers and syncs, Globus does require that each endpoint be configured as a Globus node. On our end, you will connect to our Arctic Data Center server. On your end, you will need a Globus endpoint on your server (or, as a last resort, your local computer). Many institutions’ computing servers may already be configured as Globus endpoints, so it’s worth checking in with your server administrators before setting up your own. Once you know where your data is located (either on your server with Globus access or on your local computer with [Globus Personal Connect](#)), you can start the transfer to the Arctic Data Center. In the example screenshot, I used Globus Personal Connect to create an endpoint of my personal computer, which is named “fortitude”. If your institutional server has a Globus endpoint ready, you can search for it here.



- iii. Navigate through your directories and select the folder(s) you'd like to transfer.
- iv. In the other "Arctic Data Center Upload Dropbox" pane, navigate to the target directory.
- v. Once the files are selected, use the "Start" button on the same pane to begin transferring those files to the destination specified in the "Arctic Data Center Upload Dropbox".

The screenshot displays the File Manager interface with two panes. The left pane, titled 'File Manager', shows a collection named 'fortitude' with a path of '/Users/kadi/Documents/'. A 'Start' button is highlighted with a red box. The right pane, titled 'Arctic Data Center Upload Dropbox', shows a path of '/Kadi-Justin/'. A file named 'Archive' is selected in the list, also highlighted with a red box. A context menu is open over the 'Archive' file, showing options like 'Share', 'Transfer or Sync to...', 'New Folder', 'Rename', 'Delete Selected', 'Download', 'Open', 'Upload', 'Get Link', 'Show Hidden Items', and 'Manage Consent'.

NAME	LAST MODIFIED	SIZE
1069_674_rgb.tif.aux.xml	3/18/2026, 02:30 PM	1.02 KB
1069_675_rgb.tif.aux.xml	3/18/2026, 02:30 PM	1.32 KB
1070_674_rgb.tif.aux.xml	3/18/2026, 02:30 PM	1.02 KB
1070_675_rgb.tif.aux.xml	3/18/2026, 02:30 PM	1.02 KB
2024 Metadata	4/10/2025, 10:59 AM	—
2024 Metadata.zip	7/21/2025, 02:23 PM	105.91 MB
2026-goleta-police-report.pdf	6/2/2026, 12:02 PM	78.35 KB
abre_talk_2026.mp4	5/1/2026, 01:23 PM	402.35 MB
☒ Archive	6/9/2025, 11:39 AM	—
ARCRC_v1.ttl	7/17/2024, 12:44 PM	62.02 KB
atlocation_descriptions.xml	2/3/2026, 10:06 AM	90.22 KB
awards-bot	7/1/2026, 10:54 AM	—
bookmarks_7_17_24.html	7/17/2024, 10:42 AM	149.92 KB
cesar-seminar-series-trimmed.mp4	5/27/2026, 01:29 PM	186.27 MB
config.py	2/25/2026, 11:33 AM	636 B
Custom3571TMS.png	6/5/2026, 03:04 PM	3.54 MB