

# **MASTER Quick Guide for Accessing Public ECOSTRESS Data in NASA Earthdata Search**

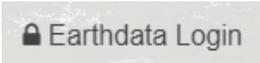
*Updated February 2019*

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# How to search and download ECOSTRESS data in NASA Earthdata Search

1. Go to <https://search.earthdata.nasa.gov/>

- a. Click the  button in the upper right hand corner to sign-in using your Earthdata Login account.

2. In the search engine, type the shortname of the data product, i.e. “ECO2LSTE” or simply search “ECOSTRESS”

- a. *Optional* Apply a search filter using spatial and/or temporal boundaries using the

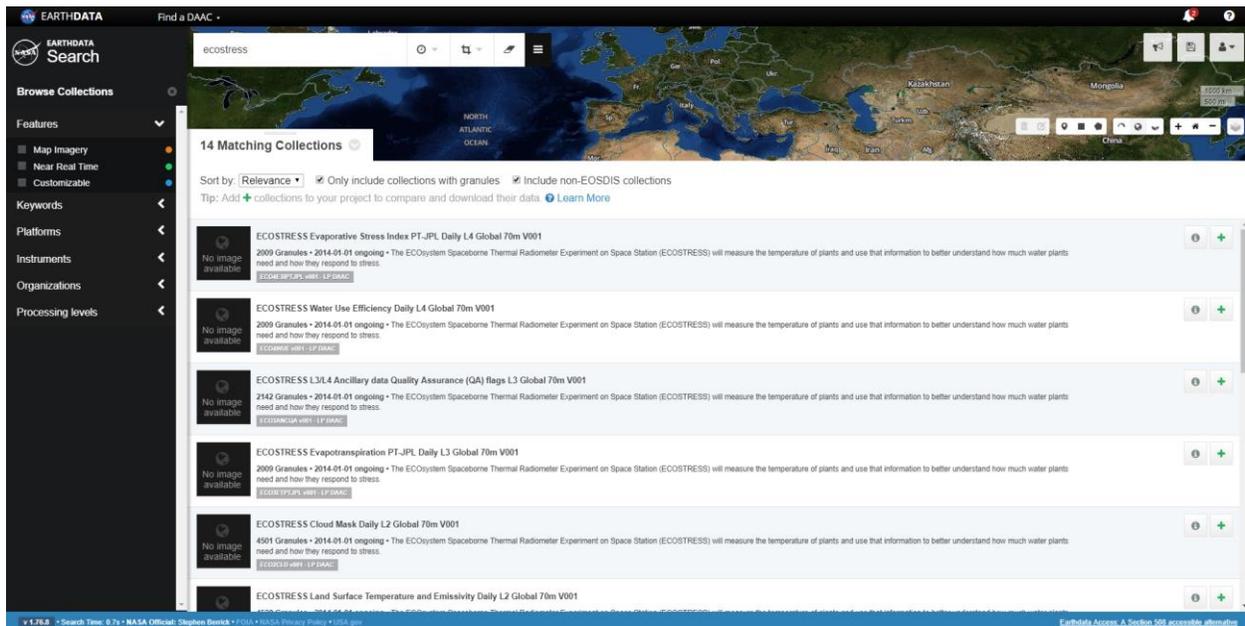


tools in the search engine.

*Note:* ECO1BRAD and ECO1BATT data products cannot be searched by spatial extent and must be searched by orbit number instead (see section on *Searching and downloading multiple ECOSTRESS data products from the same orbit* below).

3. All matching collections will appear below

- a. Click anywhere in the rectangular box of a matching collection to view a list of available granules.



4. Download all granules associated with that collection using the



tool located in the right-hand corner, submit an

order for an individual granule using the



icon OR directly download the granule using the



icon.



Using the  icon above to submit an order, you will then be prompted to Select a Data Access Method, choose “Stage for Delivery” or “Direct Download.”

## Select Data Access Method

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**Direct Download**

Download data **as-is** now from your browser or access script.

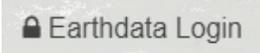
**Stage for Delivery**

Submit a request for data to be staged for delivery. You will get an email when they are ready.

Continue and Submit order. You will receive order notifications via email.

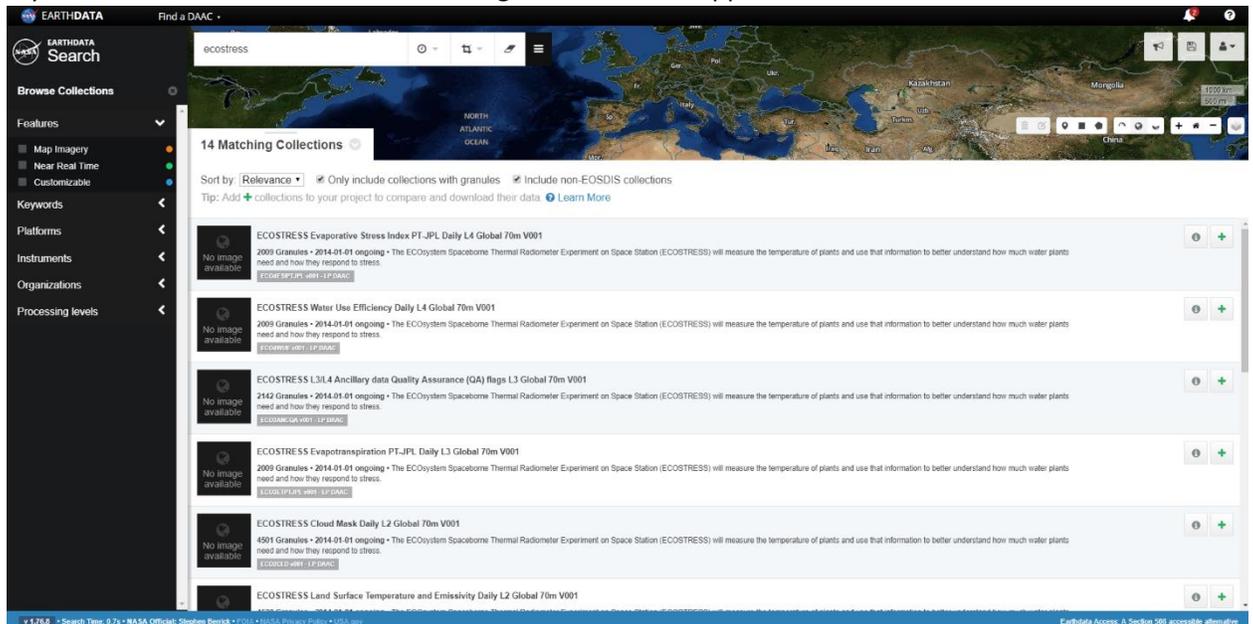
# Searching and downloading multiple ECOSTRESS data products from the same orbit

1. Go to <https://search.earthdata.nasa.gov/>

a. Click the  button in the upper right hand corner to sign-in using your Earthdata Login account.

2. In the search engine, type the shortname of the data product, i.e. “ECO1BRAD” or simply search “ECOSTRESS”

3. If you searched “ECOSTRESS,” all matching collections will appear below



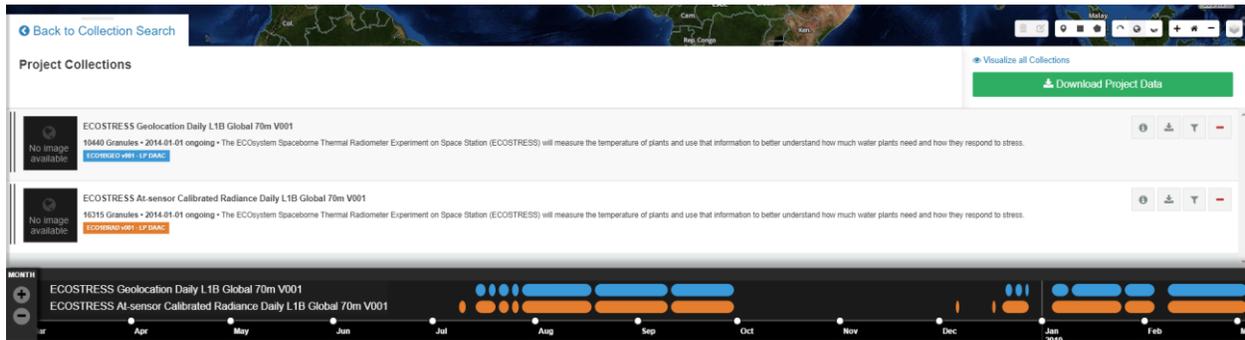
a. Select the  icon of the data product that you would like to download to add them to your Project.

Example: Select the  for the ECO1BRAD and ECO1BGEO data products.

b. In the top right corner of the webpage, a “My Project” icon will appear (see image below).



c. Select the “My Project” icon to view your project collections.

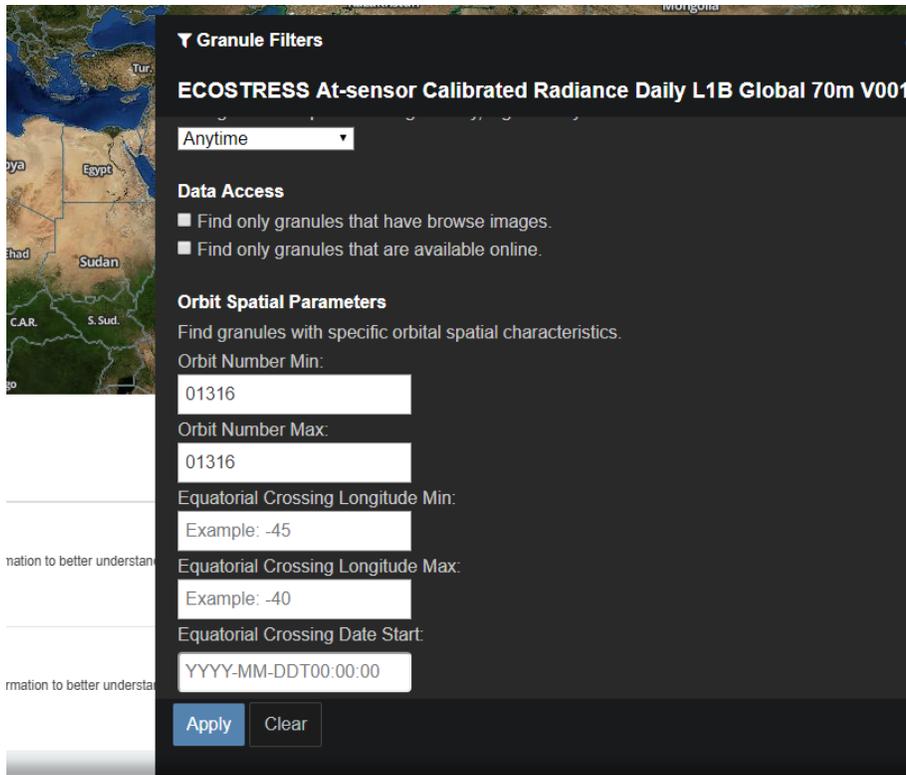


- d. Adjust the granule filters using the  icon to filter the granules for the ECO1BGEO product according to the orbit number.
- i. Note: the **orbit number** is provided in the filename:

ECOSTRESS\_L1B\_GEO\_01316\_003\_20180929T105530\_0501\_01.h5

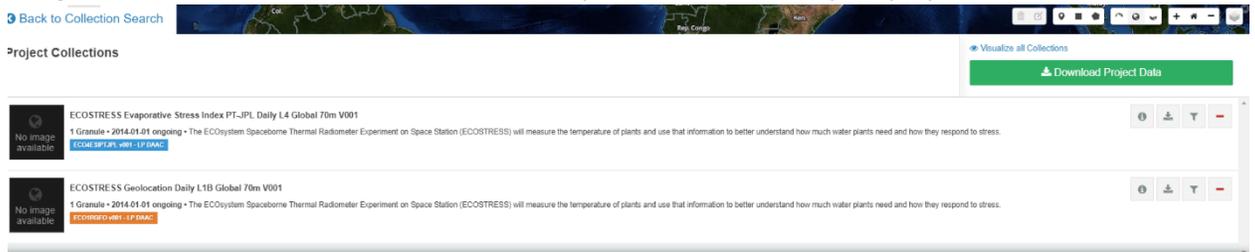
*Hint:* You may want to identify the ECO1BGEO granule(s) of interest using the spatial filter  icon first, and then find the corresponding ECO1BRAD granule(s) by the matching orbit number. Note that ECO1BRAD granules are not searchable by spatial extent because they do not contain spatial attributes in the file metadata.

- e. Using the granule filters menu, choose a min orbit number and max orbit number ex. 01316



f. Repeat for all products in your project.

4. Close the Granule Filters menu and select the Download Project Data icon to submit an order for the granules from the same orbit from all of the products selected in your project.



5. Select “Stage for Delivery” or “Direct Download” for each product:

**Select Data Access Method**

**Direct Download**  
Download data as-is now from your browser or access script.

**Stage for Delivery**  
Submit a request for data to be staged for delivery. You will get an email when they are ready.

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**Distribution Options**

Media Type:

Http Pull Media Format:

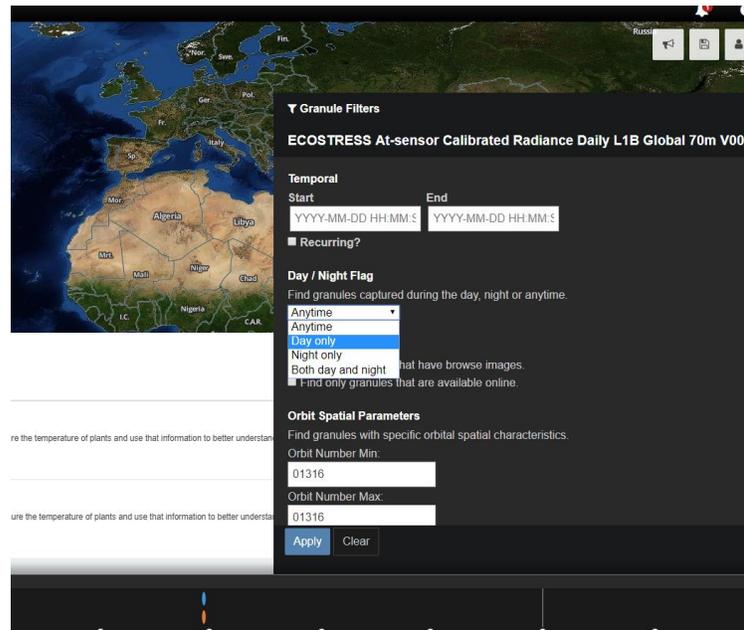
\*Size is an estimate and does not reflect any changes due to customization options.

6. Continue and Submit order. You will receive order notifications via email.

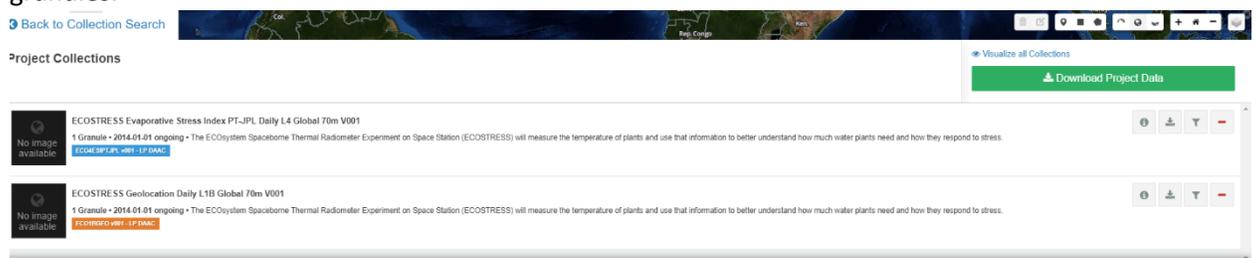
## How to subset ECOSTRESS data according to day or night retrievals

1. Follow steps 1-3c in the section above on “Searching and downloading multiple ECOSTRESS data products from the same orbit in NASA Earthdata Search”

2. Adjust the granule filters using the  icon to filter the granules for the ECO1BRAD product according to day/night acquisition
  - a. In the Granule Filters menu, there is a Day/Night Flag option that allows you to find granules captured during the day, night, or anytime



- a. Repeat for all products in your project.
3. Go Back to Collections and select the Download Project Data icon to submit an order for the granules.



4. Select “Stage for Delivery” or “Direct Download” for each product:

**Select Data Access Method**

**Direct Download**  
Download data as-is now from your browser or access script.

**Stage for Delivery**  
Submit a request for data to be staged for delivery. You will get an email when they are ready.

**Distribution Options**

Media Type: Http Pull

Http Pull Media Format: File

\*Size is an estimate and does not reflect any changes due to customization options.

5. Continue and Submit order. You will receive order notifications via email.