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EARTHDATA

Federated Integration of INPE Datasets

WGISS-58
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IDN Coordinator



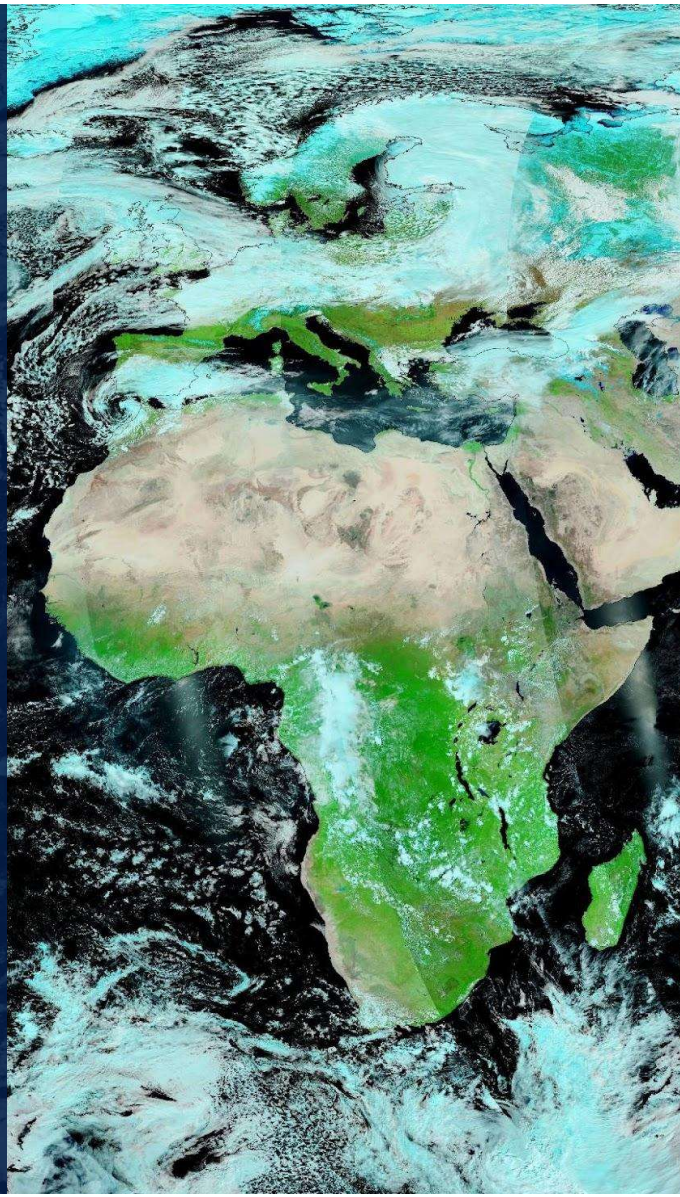
INPE DEMO Contents

1. INPE Collection Discovery
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EDSC IDN Search Portal Demo on INPE Data Discovery

INPE Collection Discovery. Collection Discovery Results, Refinement by Platform, Select Collection, Granule Refinement by Temporal, Viewing Collection and Granule Details, Data Access Method, Granule Download Status, Granule Download by way of INPE STAC, and View Granule Data



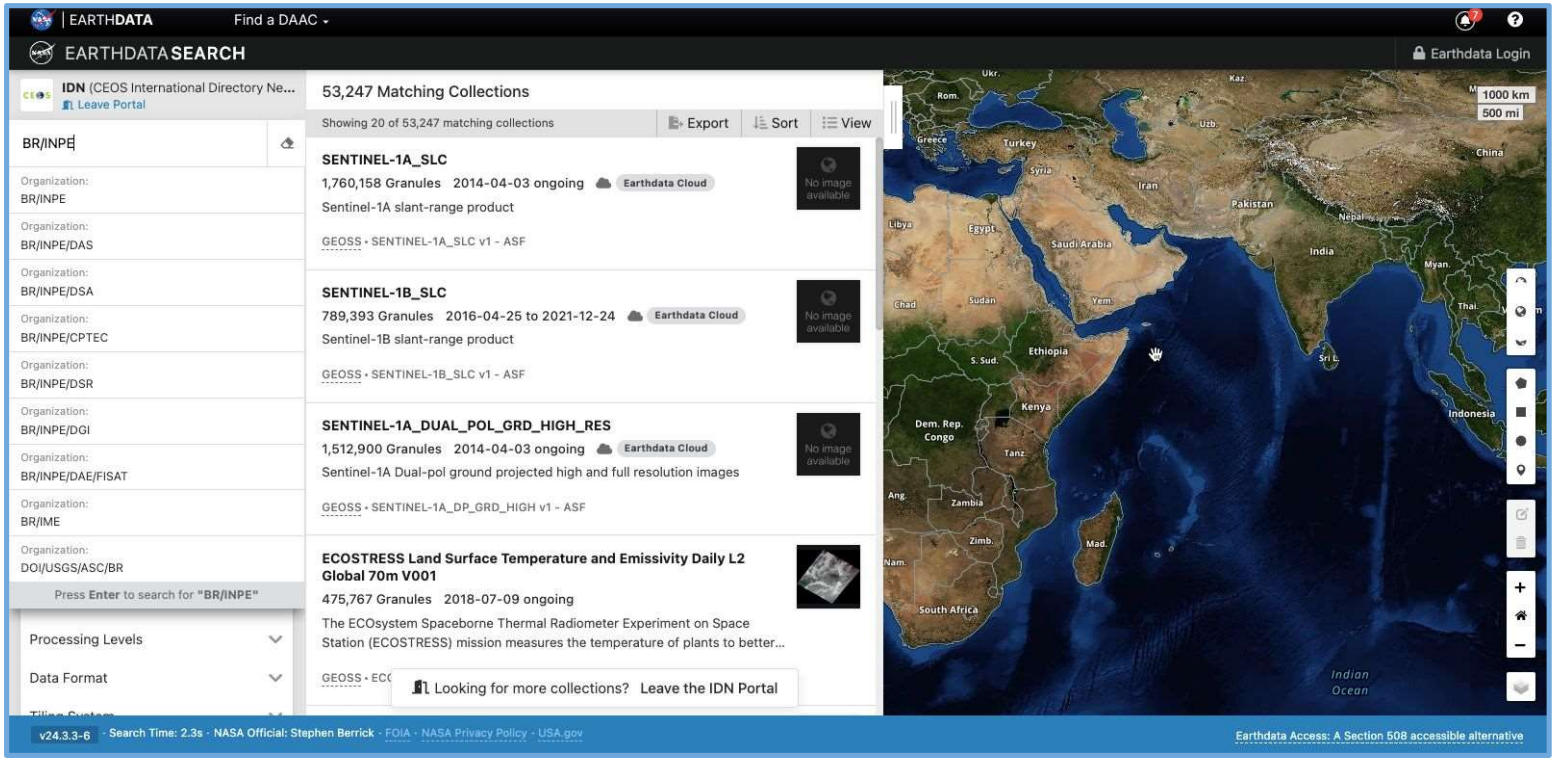
IDN Search Portal INPE Collection-Granule DEMO

Purpose: Demonstrate the collaboration of multi-agency resources INPE STAC, FedEO API, and IDN Search Portal for collection discovery and granule download without authentication/authorization.



IDN Search Portal INPE Collection-Granule DEMO

IDN Search Portal: https://search.earthdata.nasa.gov/search?portal=idn



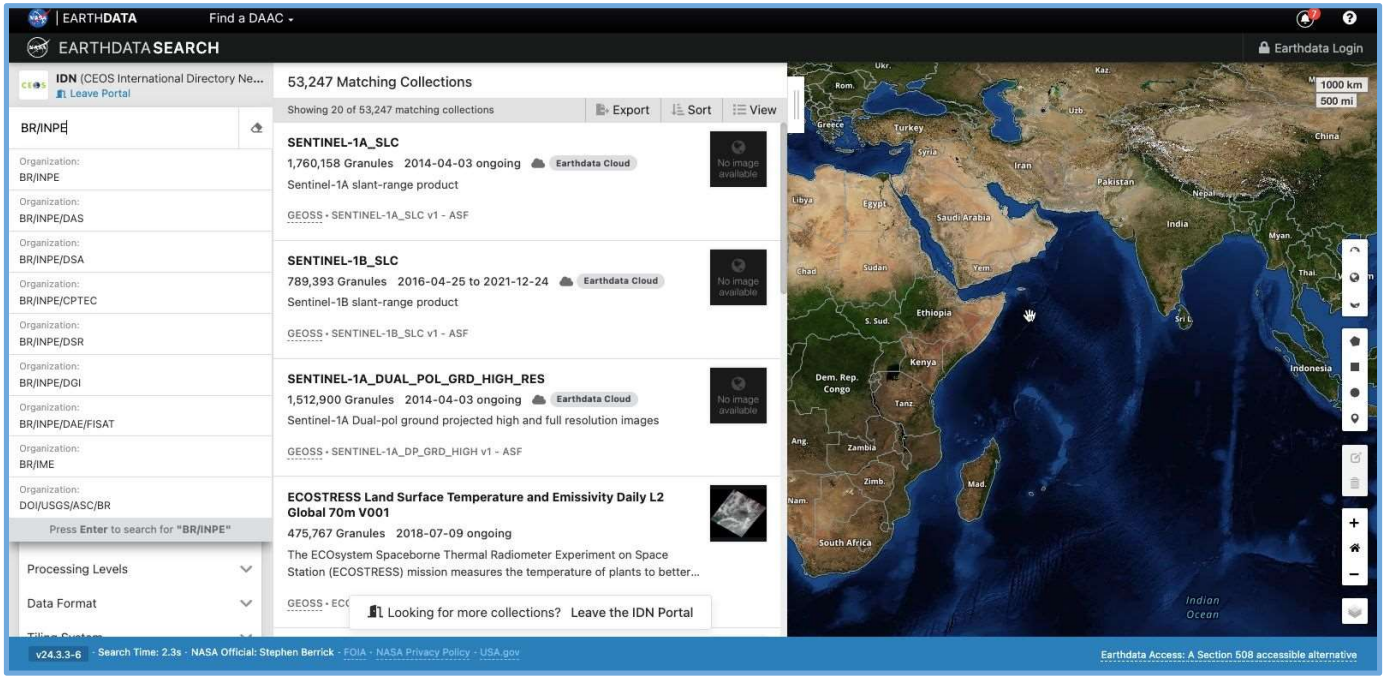
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INPE Collection Discovery

The user can either refine searches for INPE collections by (see red boxes):

1.Typing BR/INPE into the free-text box and selecting the desired facet element.
2.Or, selecting Organization Data Center facet values starting with “BR/INPE”.

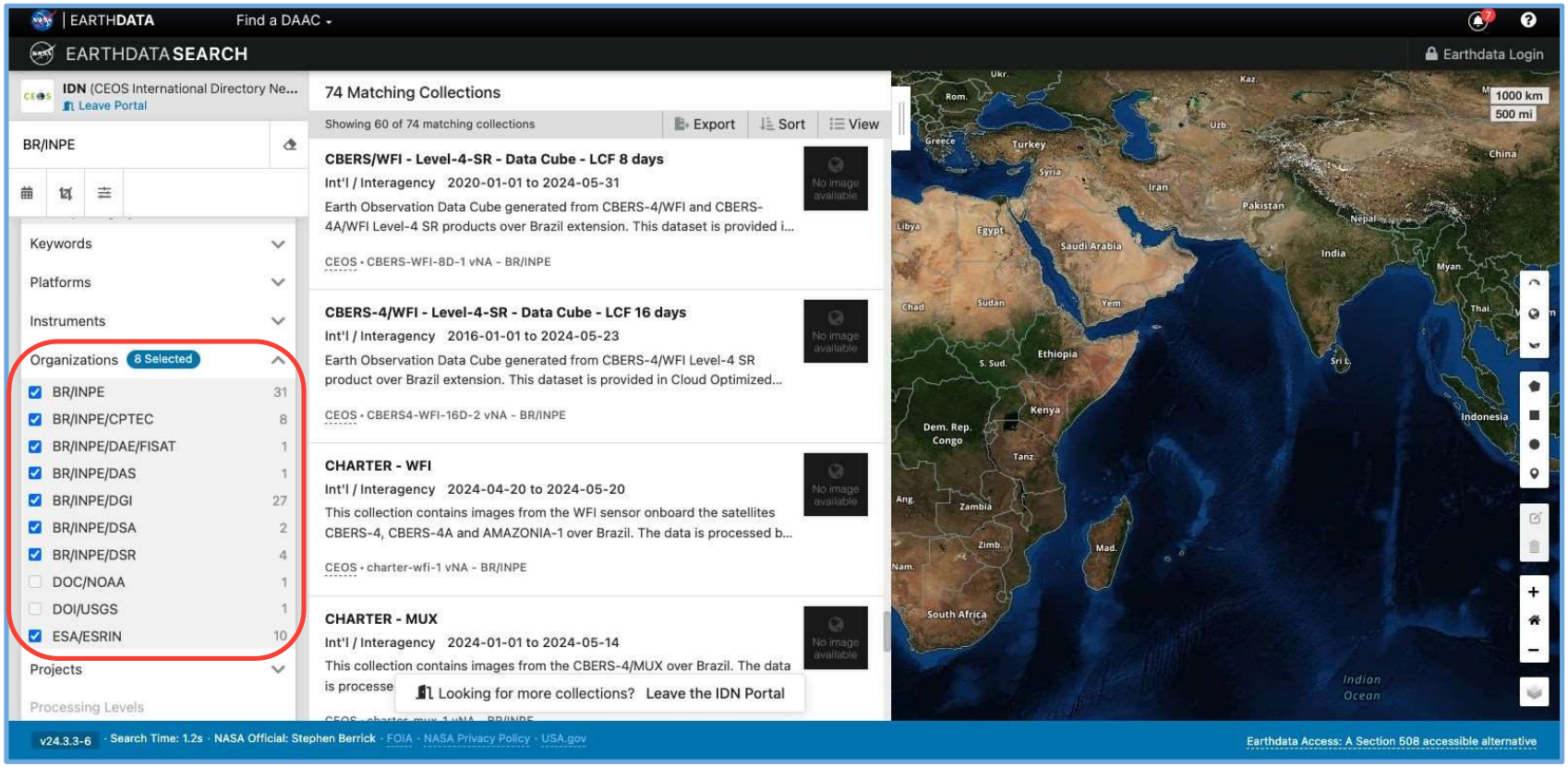
The collection results will be narrowed down to only show the INPE collections.



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INPE Collection Discovery Results

IDN Search Portal:search.earthdata.nasa.gov/search?portal=idn&q=BR/INPE&fdc=BR%252FINPE%252FDGI!BR%252FINPE%252FDAS!BR%252FINPE!ESA%252FESRIN!BR%252FINPE....



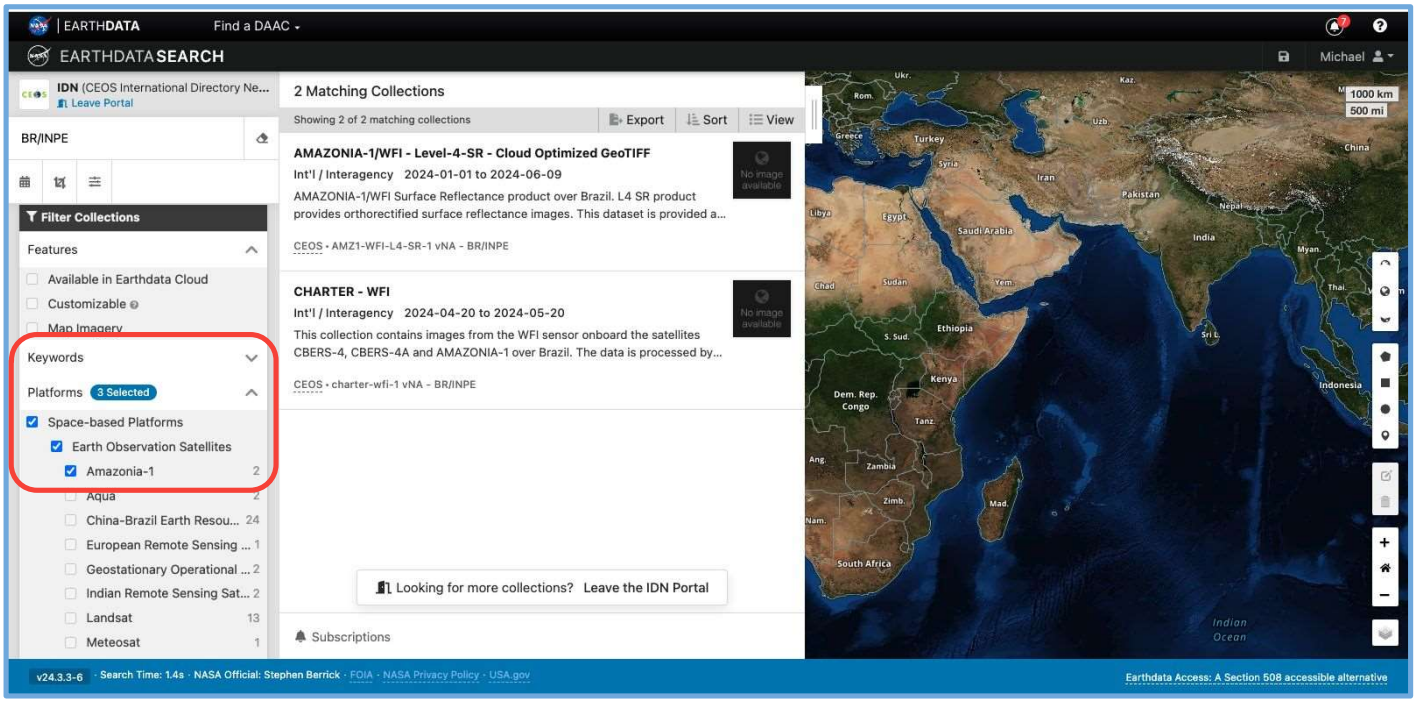
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INPE Collection Refinement by Platform

Refine by Platform using client Filter Collections feature (see red boxes):

1.Click on Platforms
2.Then click on Space-based Platform
3.Finally click on AMAZONIA-1

The results will be narrowed down to only show the INPE AMAZONIA-1 platform collections.

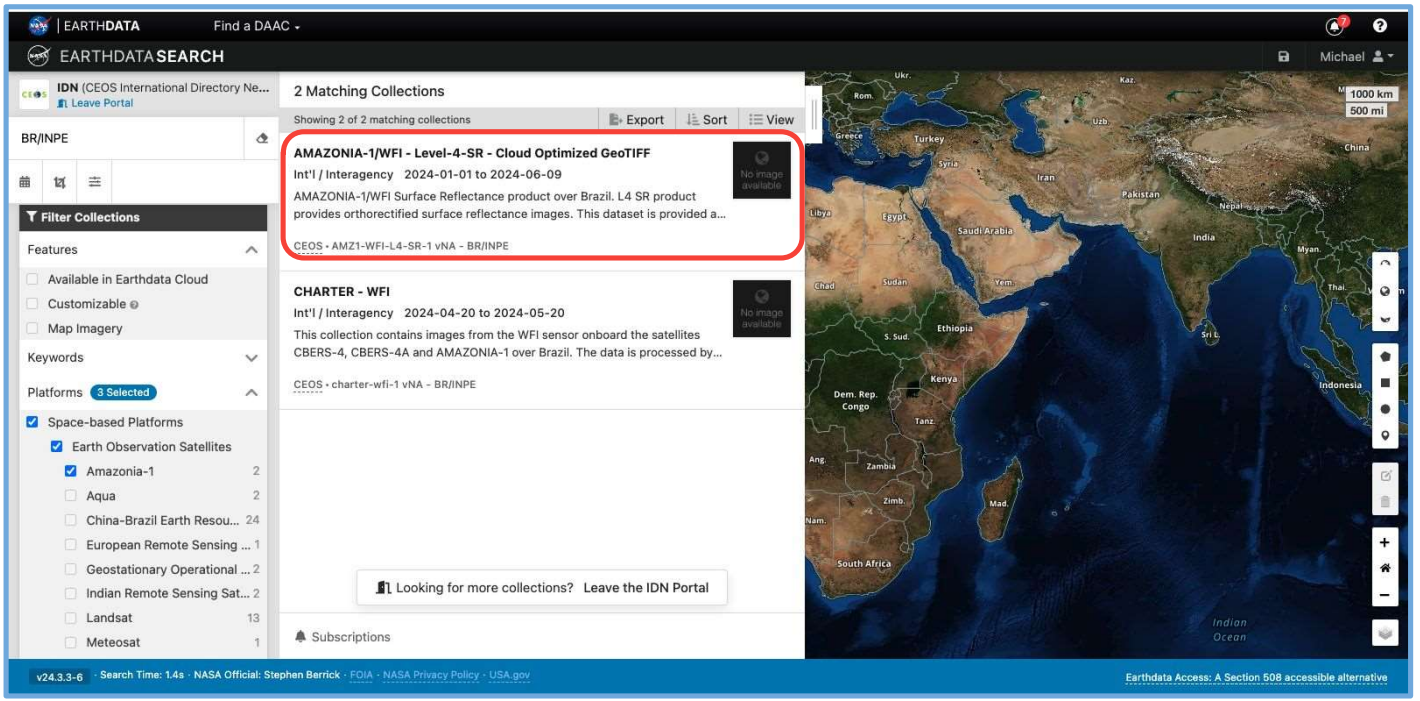


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Selecting INPE Collection:
AMAZONIA-1/WFI - Level-4-SR - Cloud Optimized GeoTIFF

Selecting from resulting INPE AMAZONIA-1/WFI collection:

1. Scroll down to desired collection.
2. Click on collection (see red box).



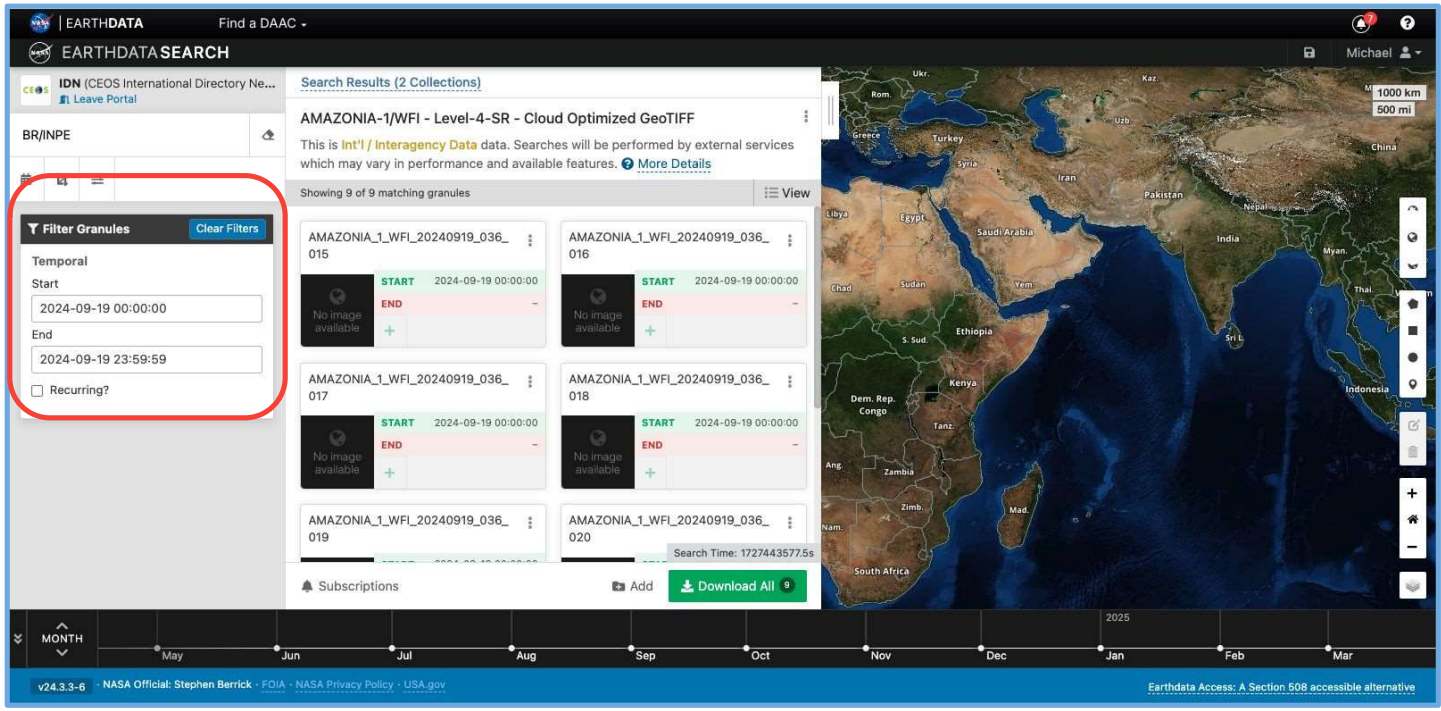
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Granule Refinement by Temporal

Refine by time using client Filter Granules feature (see red box):

1.Enter temporal values
2.Temporal format:
YYYY-MM-DD HH:mm:ss

The results will be narrowed down to only show the granules within the temporal range.



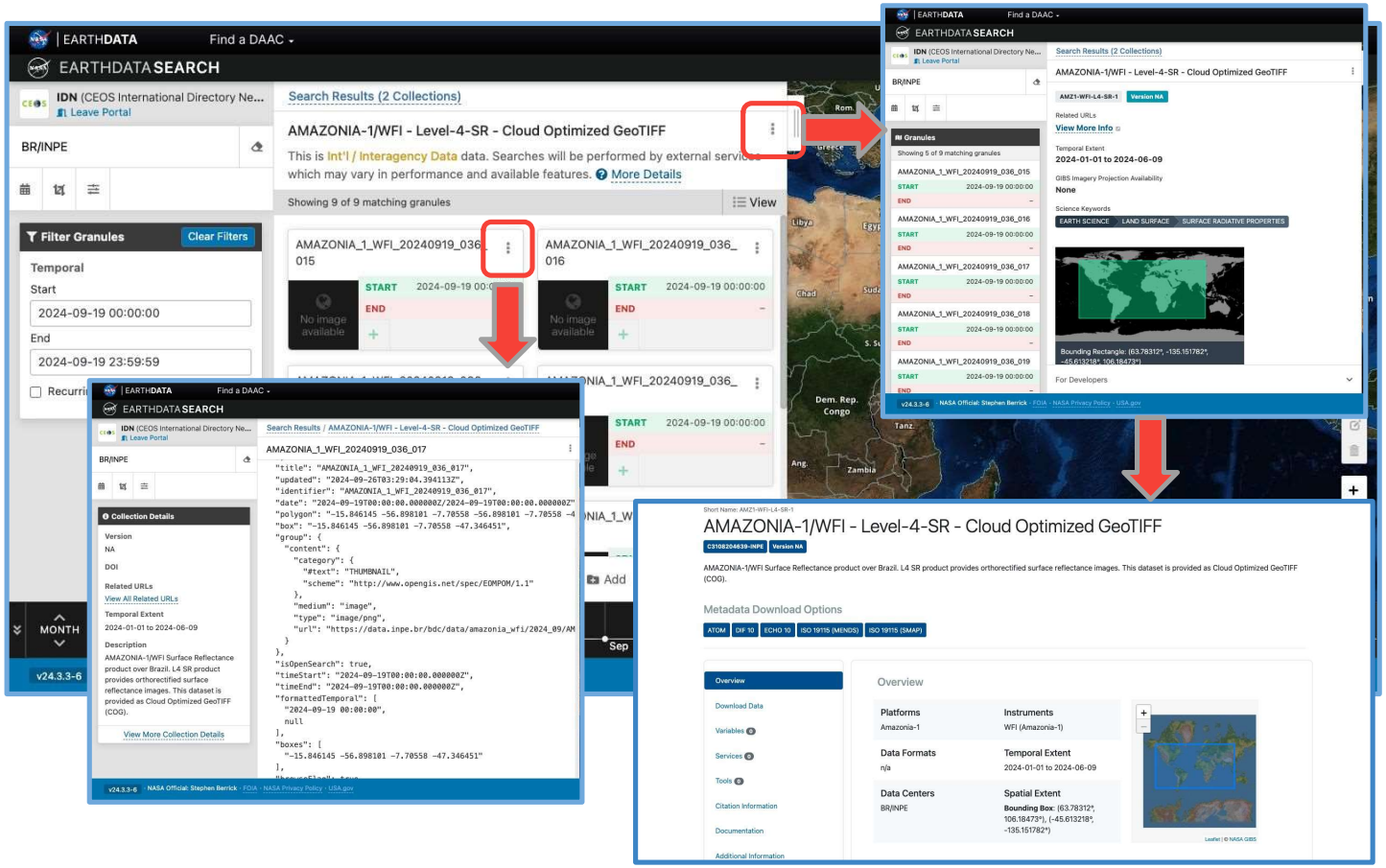
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View Collection, Granule Details or Download Data

The user can choose to:

1. View the collection and granule details by clicking on the 3 vertical dots (see red boxes).
2. Or, click Download All to proceed to download data files (see green box).

Collection and Granule Details display

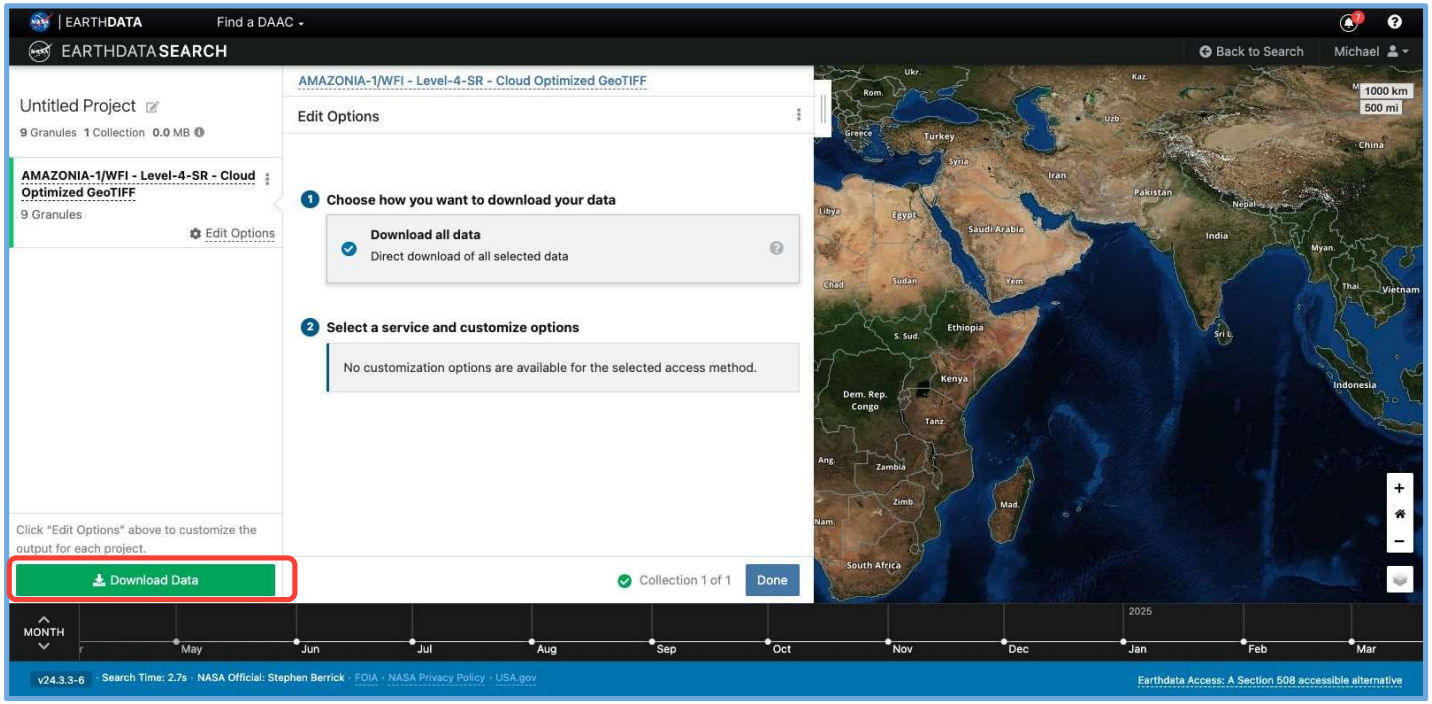


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Data Access Method

The client automatically selects Direct Download for the user (see red box).

The user can change the download options or continue with Download Data (see green box).



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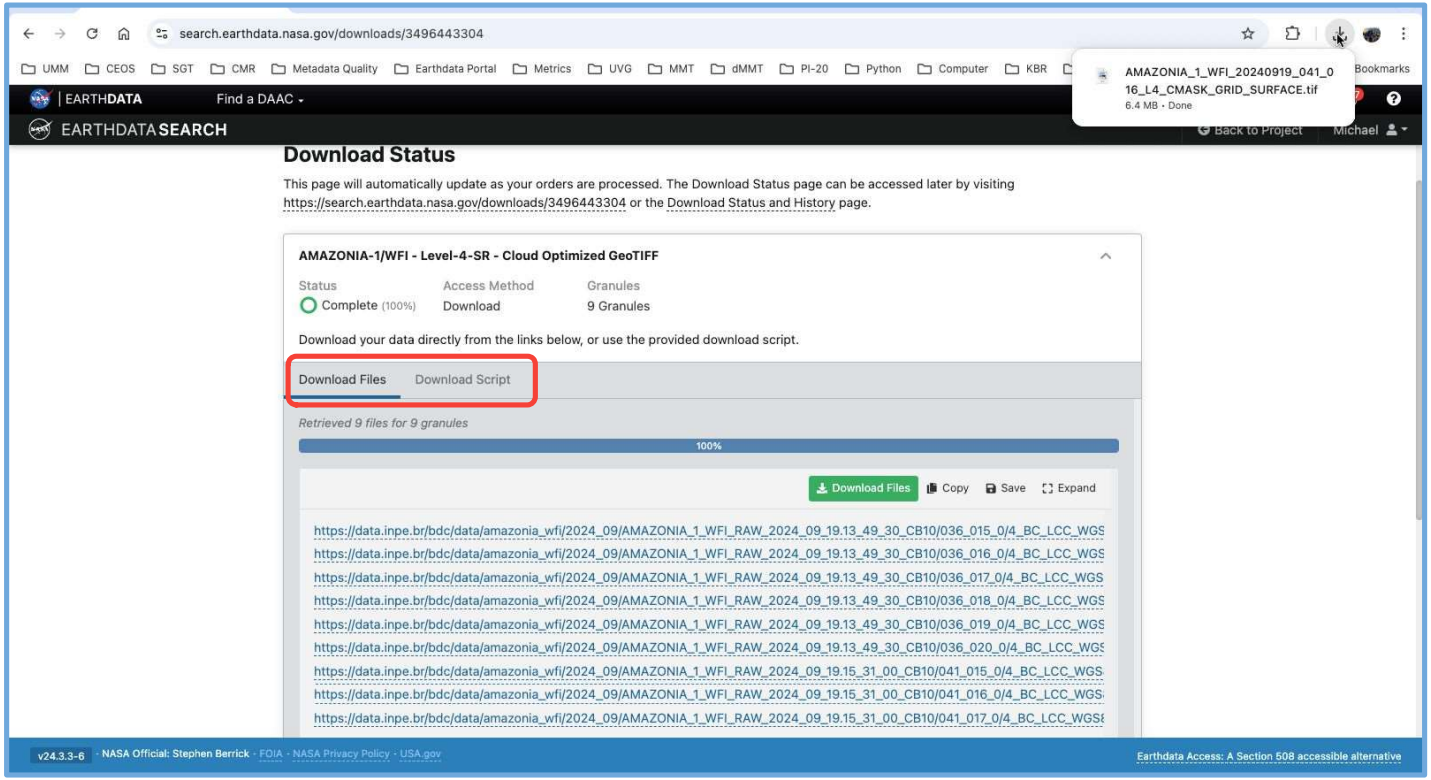
Granule Download Status

The Download status page shows the user:

1. Status of the order
2. Access Method
3. Number of Granules

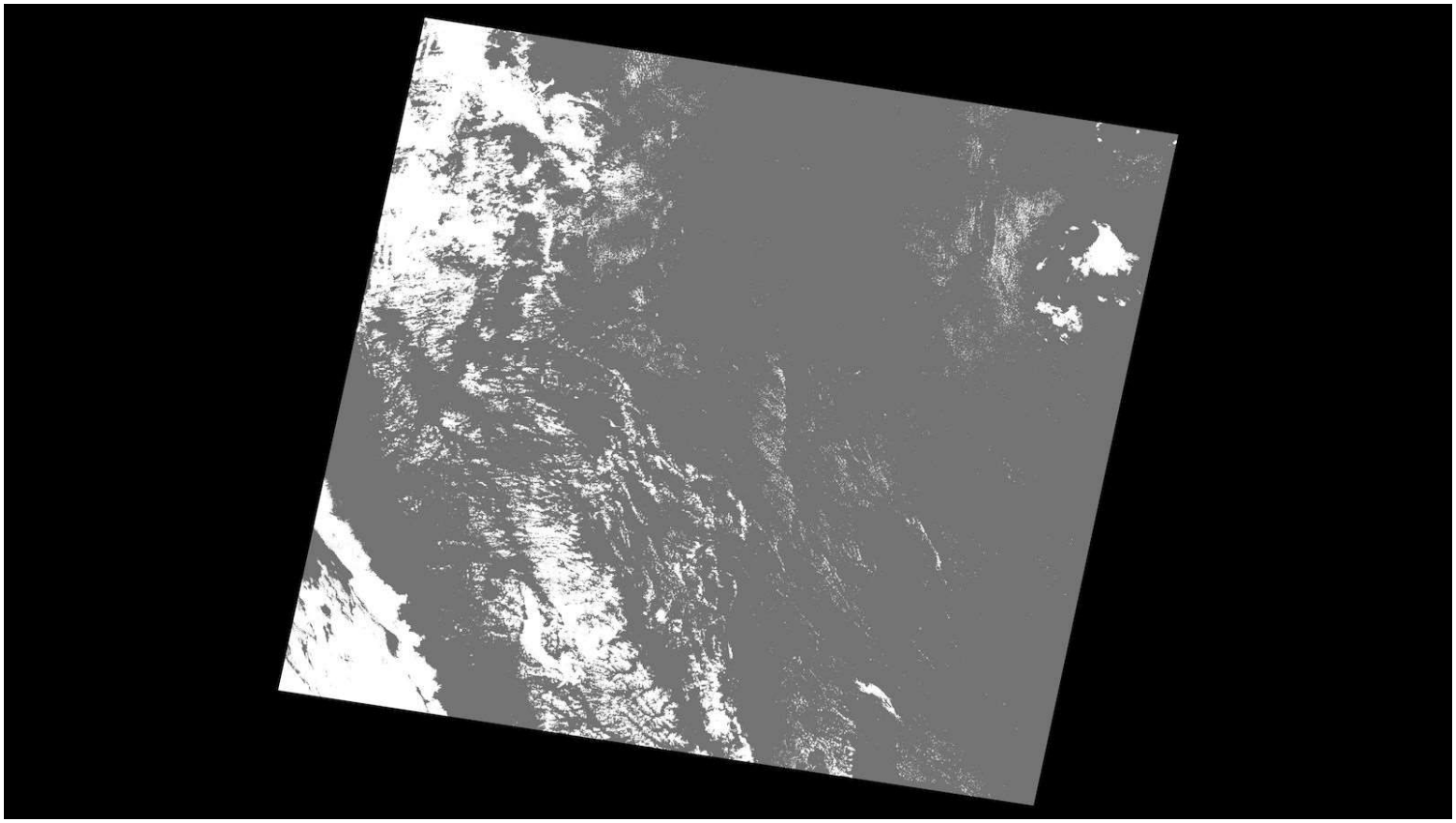
The user can choose the Download method (see red box):

1. Download files through direct links.
2. Or, copy a script from the Download Script tab that can run on the user's device.



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View AMAZONIA-1/WFI - Level-4-SR - Cloud Optimized GeoTIFF



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National Institute for Space Research (INPE). 2024. AMAZONIA-1/WFI Surface Reflectance product over Brazil. L4 SR product provides orthorectified surface reflectance images. This dataset is provided as Cloud Optimized GeoTIFF (COG). https://data.inpe.br/stac/browser/collections/AMZ1-WFI-L4-SR-1

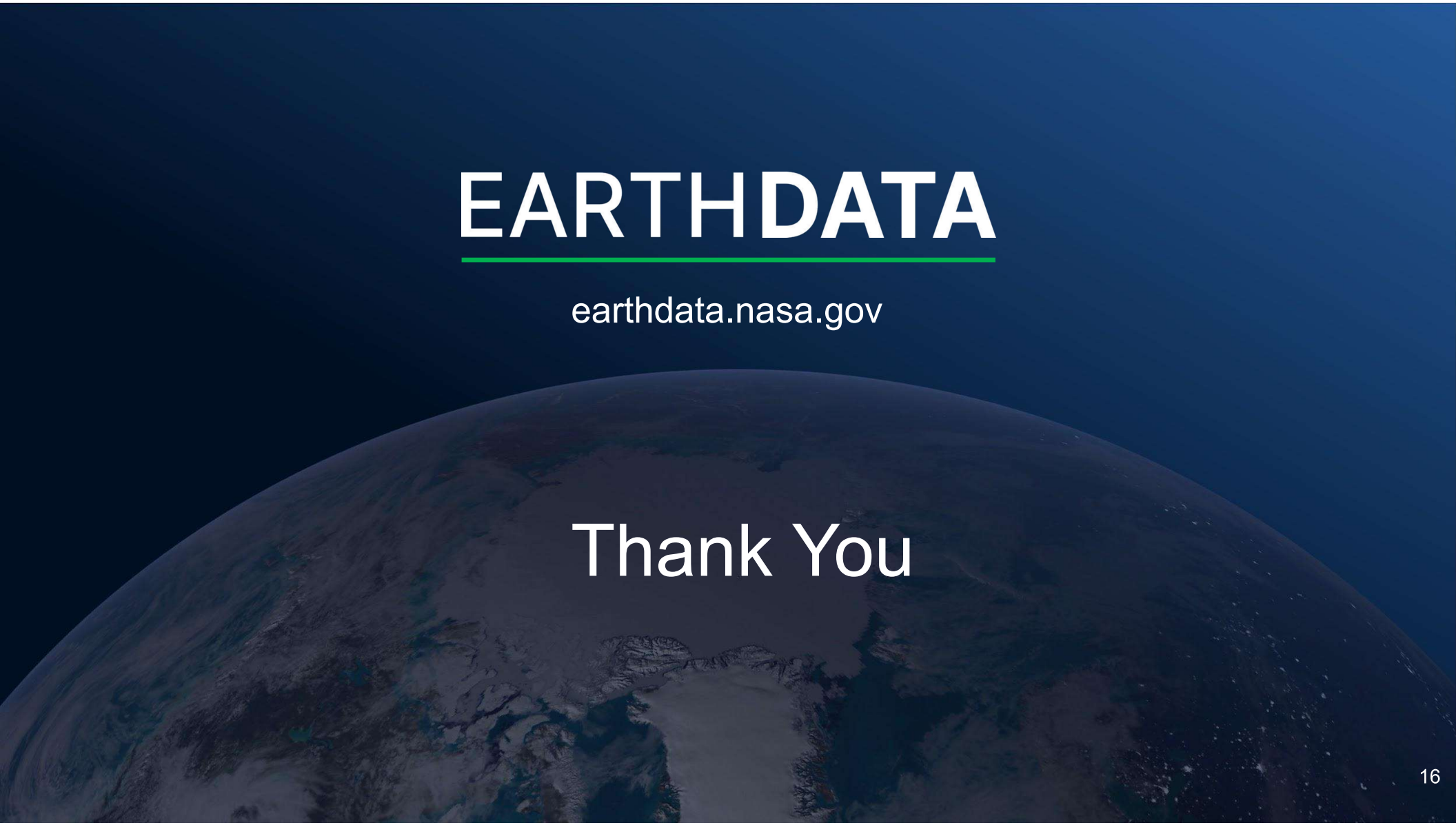


Thank You!
Any Questions?

Contact CEOS WGISS DAIG (access-systeam@wgiss.ceos.org) for any further questions.

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Thank You