GHRC
Global Hydrometeorology Resource Center

GHRC Cloud Update

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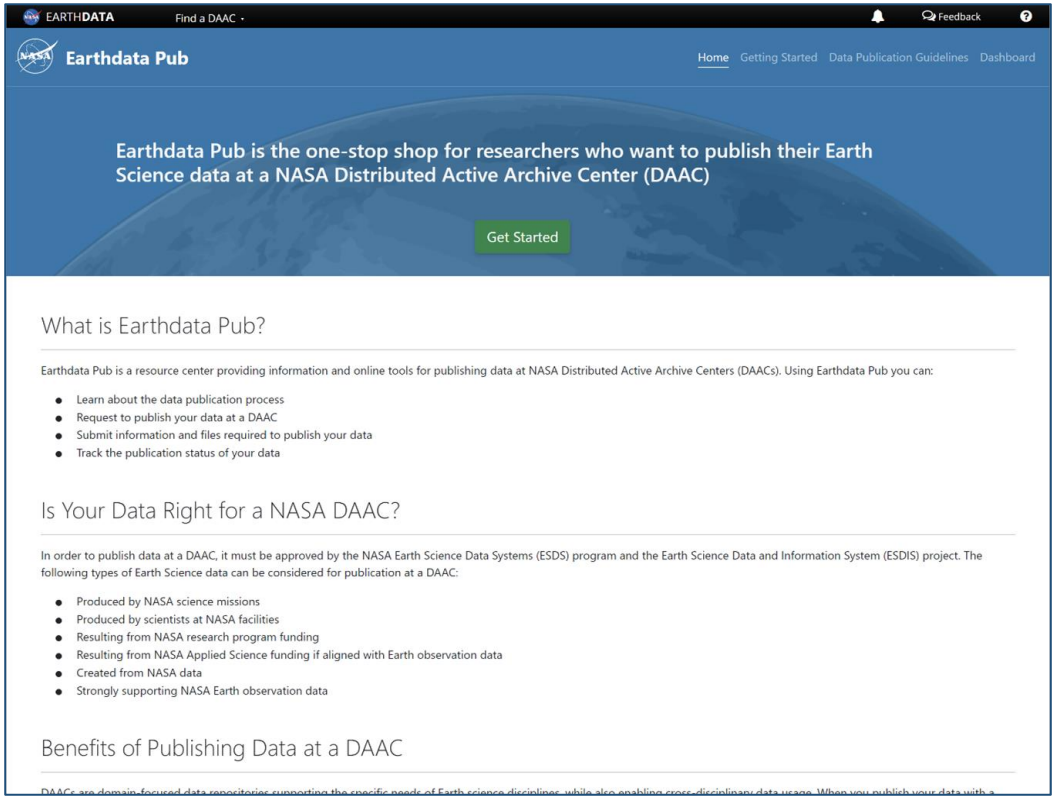
INFORMATION TECHNOLOGY AND SYSTEMS CENTER

Cloud Update Agenda

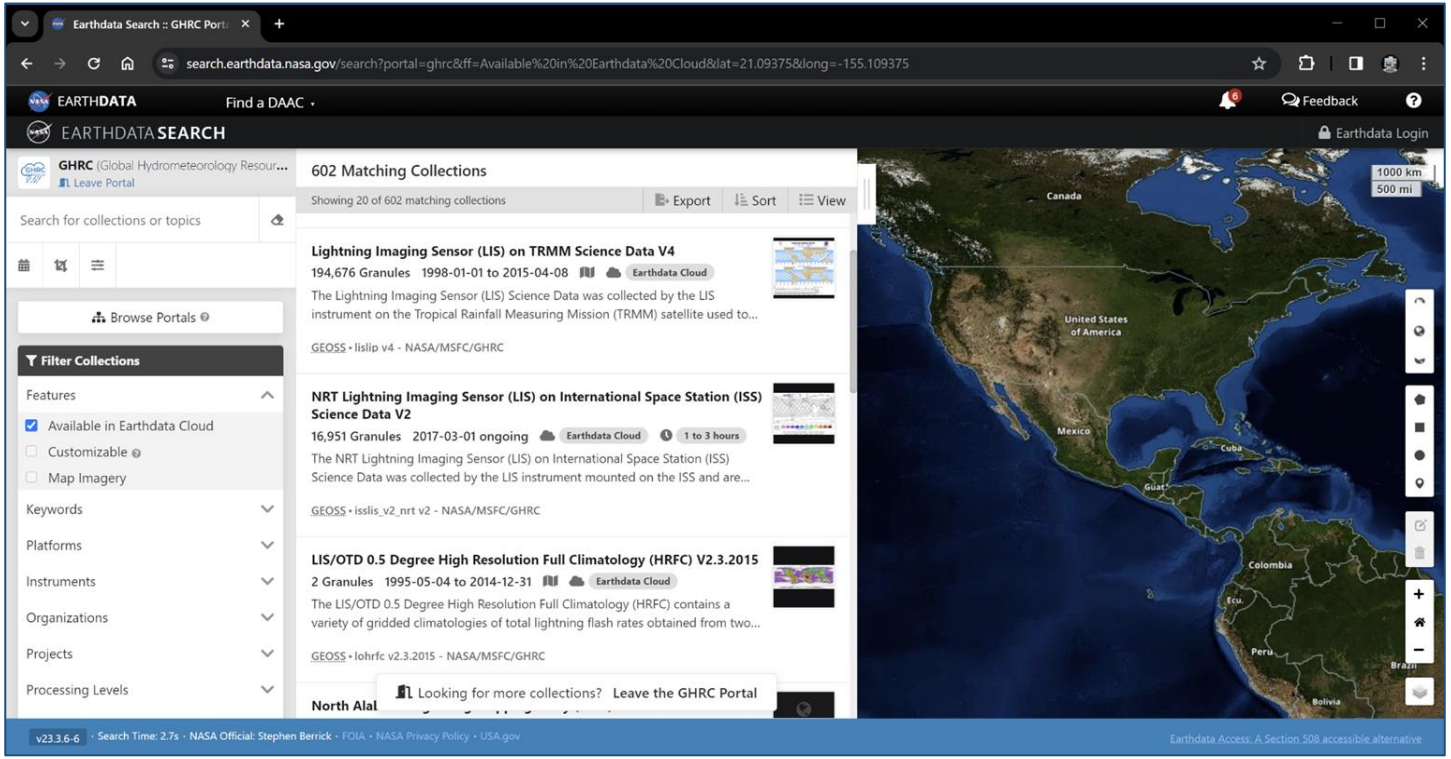
- Dataset Services
- Cloud Services
- Website Migration
- Decommission Plans
- Looking Ahead

Dataset Services: Publishing



Earthdata Pub Welcome Screen
https://pub.earthdata.nasa.gov/

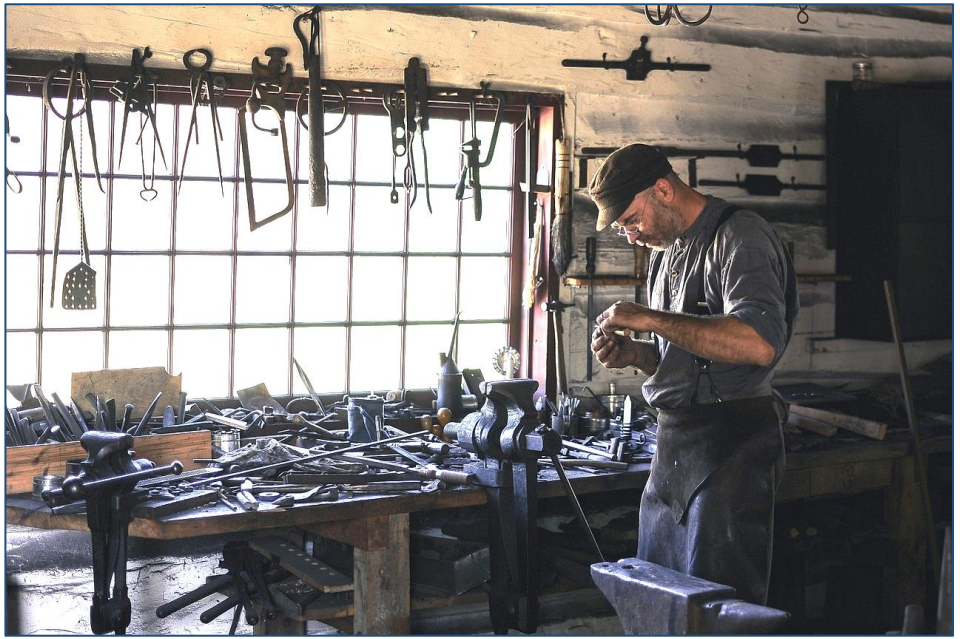
Dataset Services: Search/Distribution



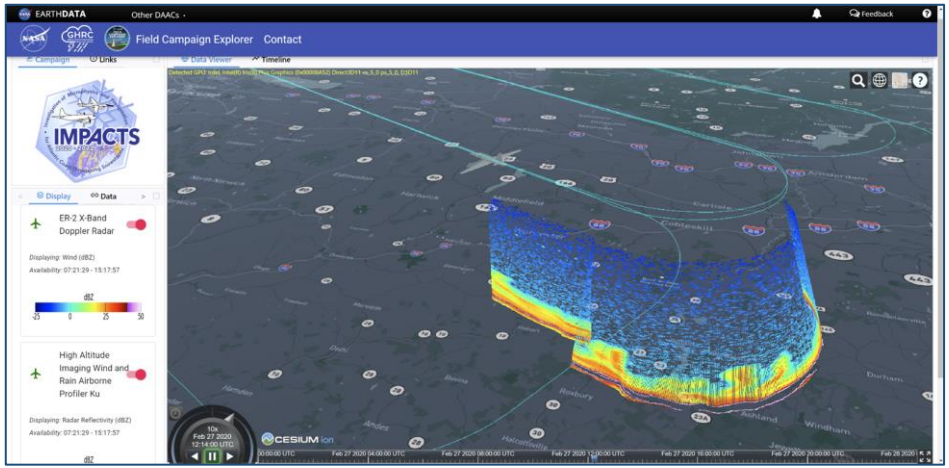
GHRC Search Portal using Earthdata Search
https://search.earthdata.nasa.gov/portal/ghrc/search

Dataset Services: Archive & Backup

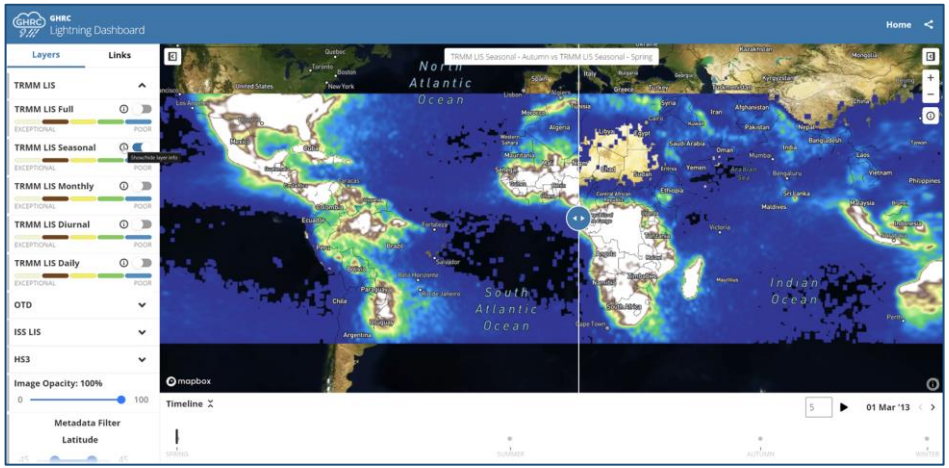
- Cumulus
- Cloud Work Area
- Operational Recovery Cloud Archive (ORCA)
- Level Zero and Repositories Data Store (LZARDS)



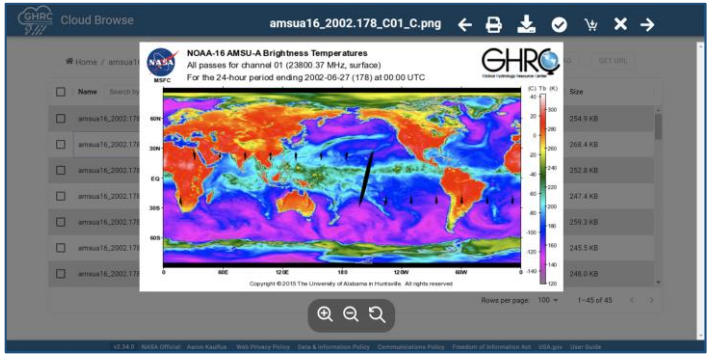
Cloud Services



Field Campaign Explorer

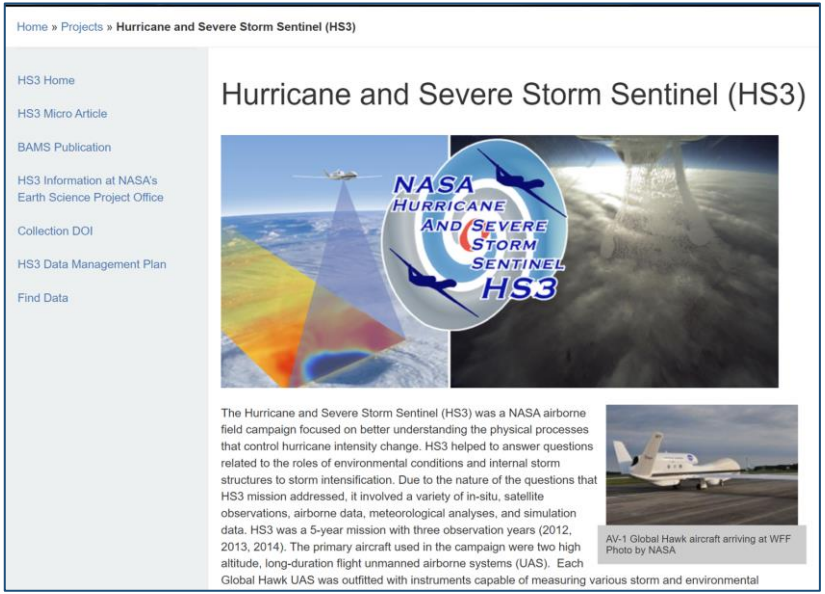


Lightning Dashboard

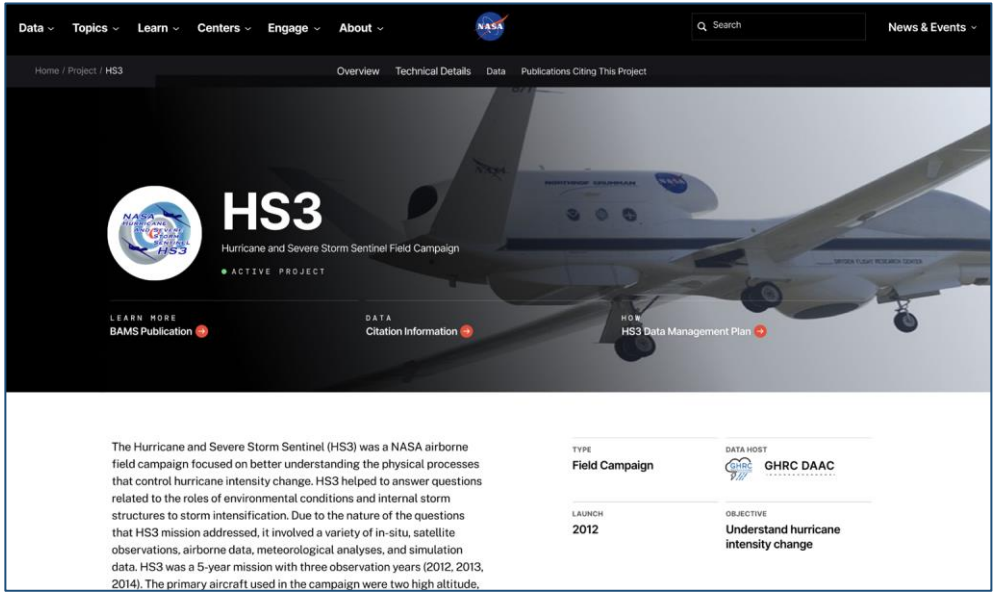


Cloud Browse

Website Migration



Current Landing Page (HS3)



Future Landing Page (prototype)

Decommission Plans

- Finalize decommission plan
- Inform Users
- Shutdown servers
- Support lightning team
  - (ISS LIS reprocessing, etc)

Looking Ahead

- **Improving Cloud Operations**
  - Streamlining ingest & archive via enterprise service
  - Improve operator Dashboard
  - Improve Python cLoud Operator Tool (PyLOT)
- **Bulk Downloader**
  - Worked with ESDIS to create an enterprise solution
  - Earthdata Download available early 2024
- **Upload Area**
  - Worked on prototype via Earthdata Pub project
  - Cloud Upload Environment (CUE) available early 2024
- **Web Changes**
  - Website moving to common location
  - DAAC Services URL's moving

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THANK YOU!

QUESTIONS?

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