

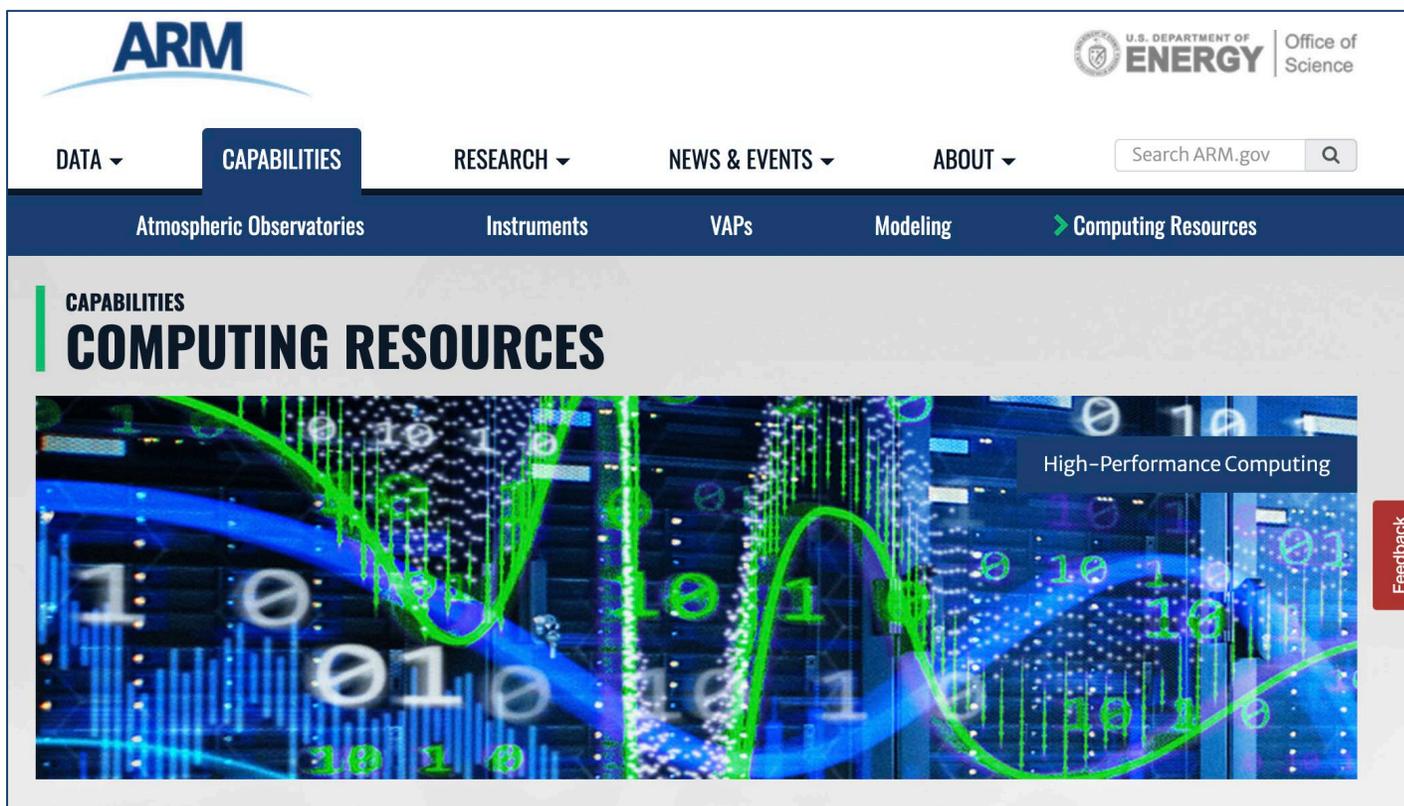
# Atmospheric Radiation Measurement (ARM) User Facility

NICKI HICKMON

ARM Associate Director for Operations

# Accepting Proposals

- ▶ DOE accepting preliminary proposals for AMF campaigns - Due Dec 19<sup>th</sup>
- ▶ ARM accepting requests for our upgraded Cumulus cluster
- ▶ Collaborations vital to success – be proactive



JOIN ARM FOR A  
FIELD CAMPAIGN  
PROCESSES  
WEBINAR

WEDNESDAY, NOVEMBER 9

<https://www.arm.gov/news/events/post/82033>

# ARM Field Campaign (AFC) Dashboard

- ▶ Campaign Overview
- ▶ Reports
- ▶ Plots
- ▶ Maps & Locations
- ▶ Maintenance Reports
- ▶ Tools & Links
- ▶ Contacts

Dashboard Campaign Overview Reports ▾ Plots ▾ Maps & Locations Maintenance Reports Tools & Links ▾ Contacts

### SAIL Data Plots

Instrument Class  
DL ▾

Facility  
Facility: All ▾

Data Level  
Data Level: All ▾

Plot Type  
Plot Type: All ▾

Start Date  
2022-10-18 ✕

End Date  
2022-10-24 ✕

Get Plots

ppi

2022-10-24

2022-10-23

2022-10-22

2022-10-21

2022-10-20

View Files	Last Report	Action
Daily Ops/Science Plan	2022-10-21 00:00:00	<span style="background-color: #1a3d4d; color: white; padding: 5px 10px; border-radius: 5px;">New Report</span> <span style="background-color: #1a3d4d; color: white; padding: 5px 10px; border-radius: 5px; margin-left: 10px;">View Reports</span>
Weather Discussion	2022-01-01 00:00:00	<span style="background-color: #1a3d4d; color: white; padding: 5px 10px; border-radius: 5px;">New Report</span> <span style="background-color: #1a3d4d; color: white; padding: 5px 10px; border-radius: 5px; margin-left: 10px;">View Reports</span>
Mission Summary	2022-01-20 18:59:03	<span style="background-color: #1a3d4d; color: white; padding: 5px 10px; border-radius: 5px;">New Report</span> <span style="background-color: #1a3d4d; color: white; padding: 5px 10px; border-radius: 5px; margin-left: 10px;">View Reports</span>

# Open Source Capabilities

- ▶ ARM/ASR Open Science Virtual Workshop 2022
- ▶ ARM GitHub organizations
- ▶ Open source & community code
  - Python ARM Radar Toolkit (Py-ART)
  - Atmospheric data Community Toolkit (ACT)
  - ARM Data Integrator (ADI)
  - ARM Data-Oriented Metrics and Diagnostics Package for Climate Models (ARM-DIAGS)

NEWS & EVENTS > NEWS

## ARM RESTRUCTURES OPEN-SOURCE CODE CAPABILITIES

Published: 24 March 2022



### SCIENCE USERS AND ARM STAFF CAN USE AND CONTRIBUTE CODE TO WORK WITH ARM DATA

The Atmospheric Radiation Measurement (ARM) user facility supports the development of open-source code that can make it easier for users to work with its data. ARM also provides opportunities for users to contribute their own code for use by the scientific community.

ARM has restructured the open-source code repositories it hosts on the GitHub software development platform to better serve the scientific community and ARM's infrastructure. Repositories can be assembled under organizations, which allow for groups to easily work across projects.

ARM now has three organizations on GitHub with different purposes and audiences. Software within these organizations can be categorized as follows:

- **open-source software** – released under a license that allows anyone to use, change, and share the software, including its source code.
- **community code** – developed specifically for the user community, which can use the code and also contribute back to it. There are clearly defined guidelines for contributing to the code.

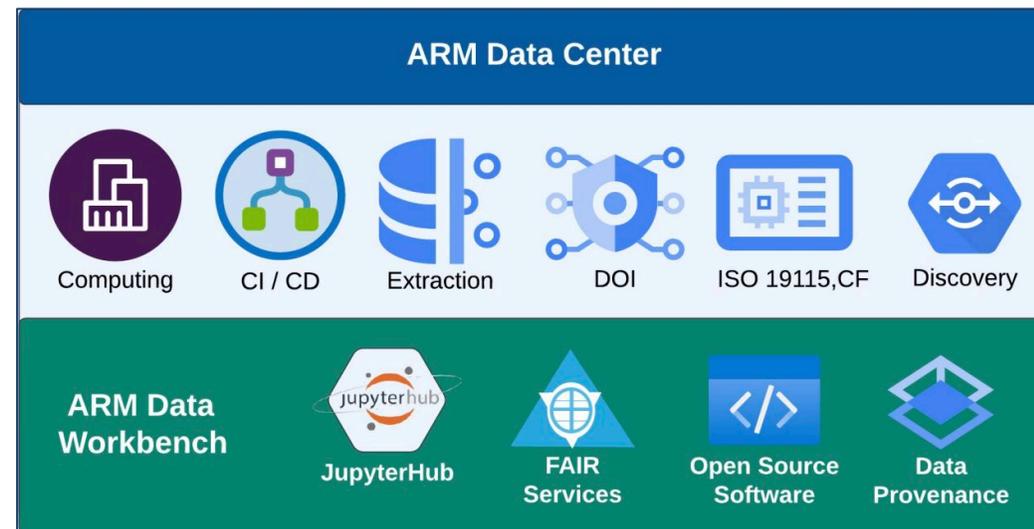
The information below summarizes ARM's three GitHub organizations.

**Attend the ARM/ASR Open Science Virtual Workshop 2022 from May 10 to 13:**  
[Get details and register](#)

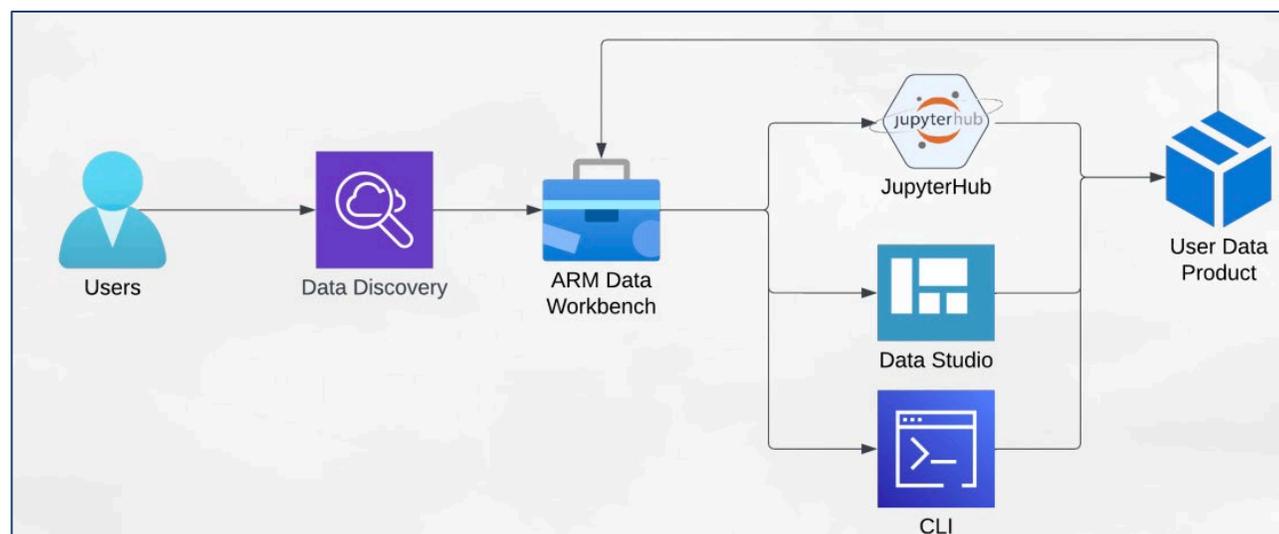
Feedback

# ARM Data Workbench

- ▶ Seamless access to data and computing resources
- ▶ Direct access to ARM and community-developed software packages
- ▶ Jupyter notebook ecosystem for data access, analysis and sub-setting
- ▶ Easy generation of standard and custom plots
- ▶ Integration of external data sets



- ▶ Visit the Data Booth!!
  - Data Discovery
  - PI Tools & Dashboards
  - Calibration Database



# Engage with ARM Mentors & Translators

## ► Webpages

- Instrument
- Value Added Product (VAP)
- Organization

## ► Data discovery datastream details

### Instrument Contacts:

- ✉ Jenni Kyrouac  
Lead Mentor
- ✉ Matthew Tuftedal  
Associate Mentor

### Additional Resources:

- Instrument/VAP Info
- Campaign Information
- Instrument Handbook
- Related Publications

