

Improved and Streamlined Data and Operations Management Tools Provided for the ARM/ASR Community

Ranjeet Devarakonda, Kavya Guntupally, Wade Darnell, Sean Robertson, Michael Crow, Harold Shanafield, Maggie Davis, and Giri Prakash

ARM provides diverse and comprehensive measurements from three highly instrumented, fixed ground sites at the North Slope of Alaska, Southern Great Plains, and Eastern North Atlantic. In addition, ARM operates and maintains an Aerial Facility and various Mobile Facilities. The ARM Data Center (ADC: <http://www.adc.arm.gov/>), is responsible for providing end-to-end data service capabilities for ARM's 'multi-dimensional' climate data, including storing, managing and distributing data. This poster will discuss various new and improved data and metadata tools that are recently developed by ADC. These tools are particularly used by the ARM/ASR community to perform a wide variety of tasks such as, data quality reporting, metadata management, data citations, data search and data access via web services, common and preventive maintenance reporting.

ARM

DATA QUALITY TOOLS

Data Quality Reporting Tool

<https://adc.arm.gov/DQRSubmissionTool/>

Data Quality Problem Reporting Tool

<https://adc.arm.gov/DQPRSearch/>

Data Quality Assessment Tool

Coming soon

OPERATIONAL TOOLS

ARM Wide Shipping Tool

<https://adc.arm.gov/shipping-ui/>

Preventive Maintenance Reporting Tool

Coming soon

METADATA TOOLS

MetadataService

<https://adc.arm.gov/MetadataService>

Metadata Auditing/Recommended Datastream System

Coming soon

DATA TOOLS

Data Download Web service

<https://adc.arm.gov/armlive/>

Data Access

<https://adc.arm.gov/discovery/>

CONTACT INFORMATION

Ranjeet Devarakonda, ARM Data Center (devarakonda@oml.gov)
Giri Prakash, ARM Data Center (palanisamy@oml.gov)