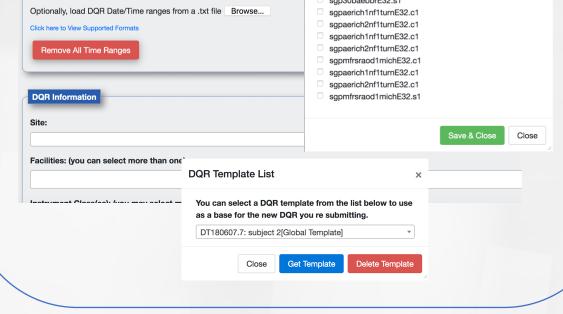
# Improved and Streamlined Data and Operations Management Tools Provided for the ARM/ASR Community

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.

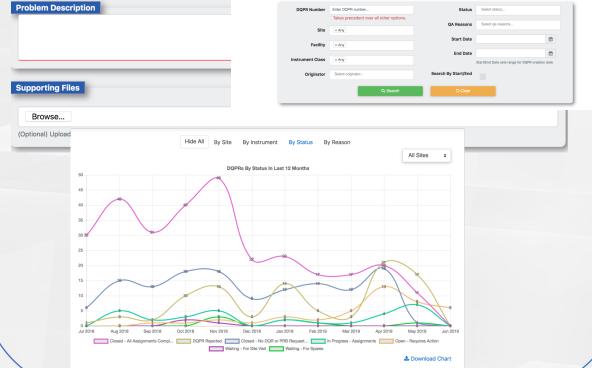


DATA QUALITY TOOLS	OPERATIONAL TOOLS	METADATA TOOLS	DATA TOOLS		
Data Quality Reporting Tool https://adc.arm.gov/DQRSubmissionTool/	ARM Wide Shipping Tool https://adc.arm.gov/shipping-ui/	MetadataService https://adc.arm.gov/MetadataService	Data Download Web service https://adc.arm.gov/armlive/		
<form></form>		<complex-block></complex-block>	<page-header></page-header>		
Quality Code   -9999 Data Data Unaffected Incorrect Data Missing Data Questionable Data   Please select a data quality code from the selections above.	13:26	Motodata Auditing/Pasammandad Datastream	Data Access		

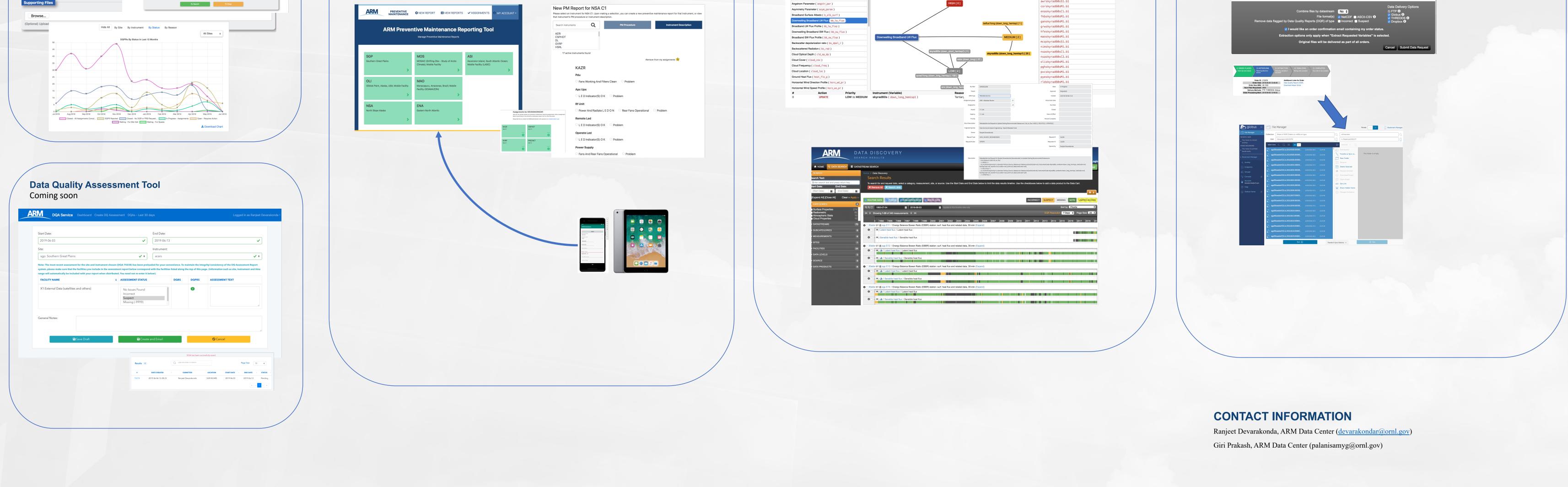


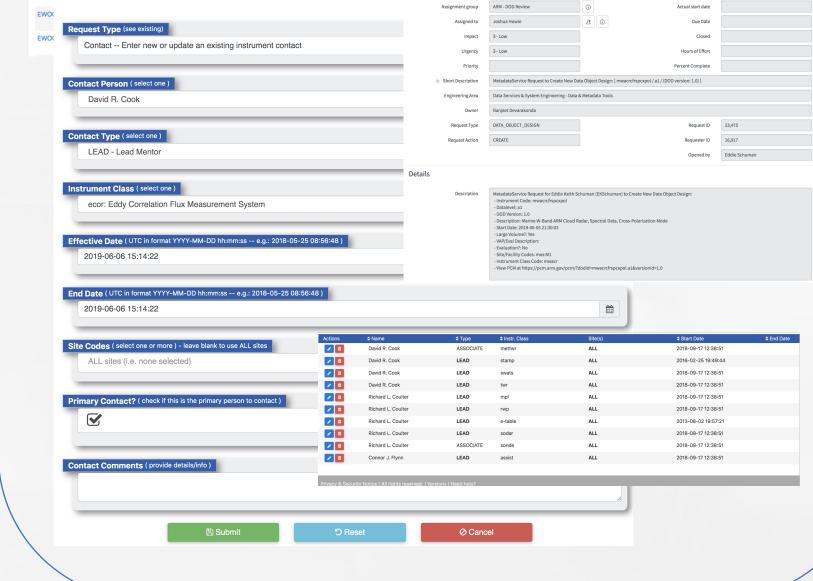
_

Please identify what you believe is the cause(s) of the data p

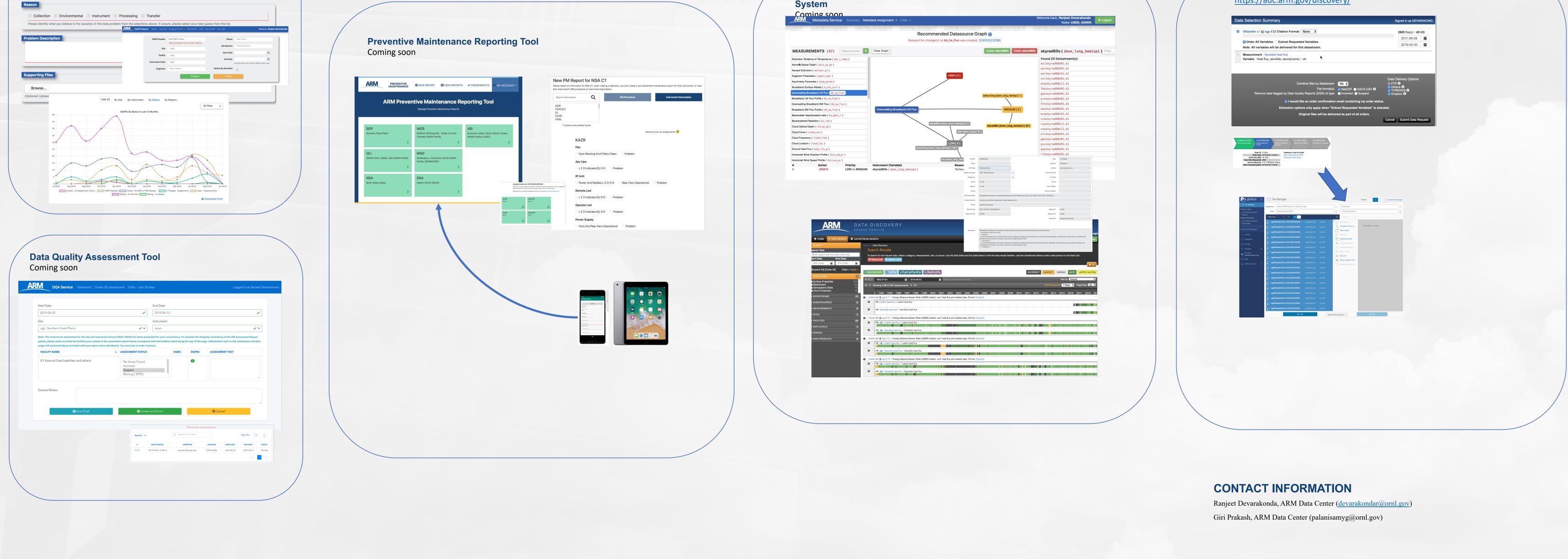


# **Preventive Maintenance Reporting Tool** Coming soon





# Metadata Auditing/Recommended Datastream



# =json ninal, but

# Data Access https://adc.arm.gov/discovery/

<b>v</b> 3	30baebbr s1 @ sgp E32 Citation Format: None 🗘		2805 file(	2805 file(s) // 45 MB	
			2011-0	9-28	
	Order All Variables ○ Extract Requested Variables Note: All variables will be delivered for this datastream.			2019-05-30	
	Measurement : Sensible heat flux Variable : Heat flux, sensible, aerodynamic // ah				
	Combine files by datastream	No 🛟	Data Delivery O ☑ FTP <b>①</b>	ptions	
	File format(s)	NetCDF ASCII-CSV			
	Remove data flagged by Data Quality Reports (DQR) of type	Incorrect Suspect	Dropbox 🕄		
	🕑 I would like an order confirmation	email containing my order status.			
	Extraction options only apply when "Extr	ract Requested Variables" is selec	ted.		
	Original files will be deliver	red as part of all orders.			
			Cancel Submit	Data Request	
				_	
	R PLACED been placed   2) RETRIEVING Deficiency Set from   3) EXTRACTION Statistics of Making order accessive meaning   4) FINALIZING Making order accessive Tour order is now available   5) COMPLETED				
ł	Order Dr. 22335   Additional Links for Order     Order Bits (2016) 401 343 40   Jack Daush (Namor Donit)     Order Bits (Namor Edited) 401 340   Dawninger Heigher Bongt     Delivery Methods: TFT THEEDS0. Groups   Delivery 300-500 310 3402				

