



ARM

CLIMATE RESEARCH FACILITY

Brief Orientation for the New ARM Data Archive Data Discovery Browser

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ASR Science Team Meeting
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U.S. DEPARTMENT OF
ENERGY

Office of
Science



ARM CLIMATE RESEARCH FACILITY

DATA DISCOVERY

U.S. DEPARTMENT OF **ENERGY** Office of Science

reflectivity 2008-03-05 2013-03-13 GO // RESET //

HELP // FEEDBACK

CATEGORIES 2

- Cloud Properties 902
- Surface Properties 2

MEASUREMENTS 4

- Radar reflectivity 397
- Radar Doppler 321
- Radar polarization 184
- Surface albedo 2

SITES 15

- Southern Great Plains 338
- Tropical Western Pacific 208
- North Slope Alaska 145
- Cape Cod, MA, USA; Mobile Facility 42
- Gan Island, Maldives; Mobile Facility 41
- Steamboat Springs CO, USA; Mobile Facility 28
- Graciosa Island, Azores, Portugal; Mobile Facility 20

SOURCES 20

- Ka ARM Zenith Radar KAZR 123

Search Results

To search for and request data, select a category, measurement, site, or source. Use the Start Date and End Date below to limit the data results timeline. Use the checkboxes below to add a data product to the Data Cart.

DATA CART >>

DATA GENERALLY AVAILABLE DATA NOTE DATA QUESTIONABLE DATA UNRELIABLE DATA MISSING

1997-07-31 2011-11-16 Applies to this timeline view only. Sort by: Priority

Showing 1-20 of 904 measurements Page Size: 20

	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011
ARSL1CLOTH c1 @ NSA C1 // ARSL: MULTIPLE OUTPUTS FROM FIRST CLOTHIAUX ALGORITHMS ON VAISALA OR BELFORT CEILOMETERS, MICROPULSE LIDAR, AND														
<input type="checkbox"/>	Radar reflectivity // MMCR Reflectivity													
<input type="checkbox"/>	Radar reflectivity // MMCR Reflectivity, Best estimate, Hydrometer													
<input type="checkbox"/>	Radar reflectivity // MMCR Reflectivity, clutter removed													
<input type="checkbox"/>	Radar Doppler // MMCR Spectral Width													
MMCRM0DE1BL200712011CLOTH c1 @ NSA C1 // ARSL: DERIVED, MMCR MODE 1 (BOUNDARY LAYER MODE) MOMENTS, 20071201 VERSION														
<input type="checkbox"/>	Radar reflectivity // MMCR Reflectivity													
<input type="checkbox"/>	Radar Doppler // MMCR Spectral Width													

reflectivity

(Start date)

(End date)

GO

// RESET //

HELP // FEEDBACK

CATEGORIES 2

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APPLY >>

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DATA CART >>

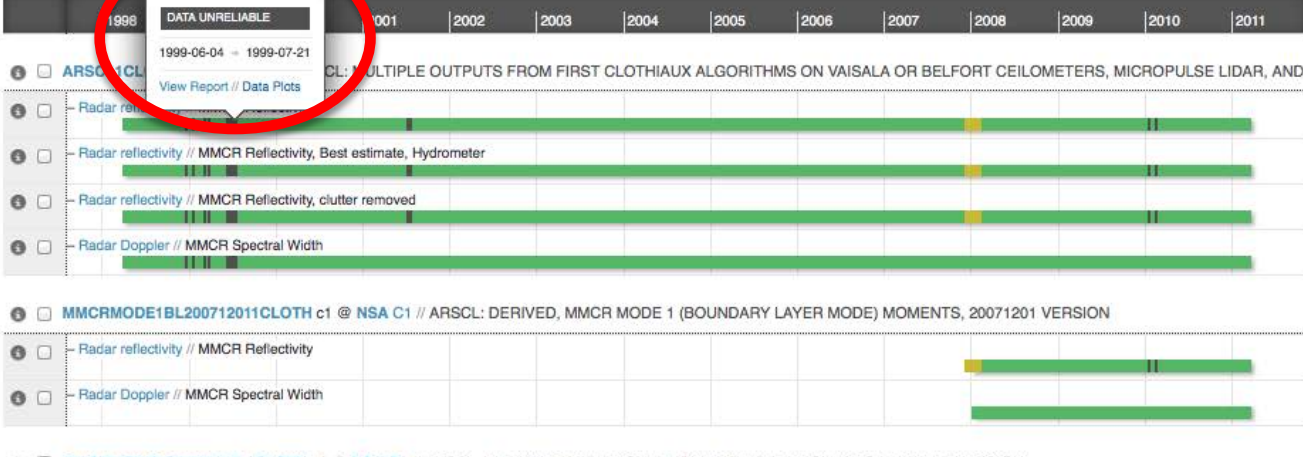
DATA GENERALLY AVAILABLE DATA NOTE DATA QUESTIONABLE DATA UNRELIABLE DATA MISSING

1997-07-31 2011-11-20

Sort by: Priority

Showing 1-904 measurements

Page Size: 20





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Data Selection Summary

Signed in as gp8.

ARSL1CLOTH c1 @ NSA C1
ARSL: MULTIPLE OUTPUTS FROM FIRST CLOTHIAUX ALGORITHMS ON VAISALA OR
REPORT CEILOMETERS, MICROPULSE LIDAR, AND MMCR

23 file(s) // 1,679 MB

Order Complete Datastream Extract Specific Measurements

2011-03-02

2011-03-24

- Measurement: Radar reflectivity
Variable: MMCR Reflectivity // Reflectivity
- Measurement: Radar reflectivity
Variable: MMCR Reflectivity, clutter removed // ReflectivityNoClutter
- Measurement: Radar reflectivity
Variable: MMCR Reflectivity, Best estimate, Hydrometer // ReflectivityBestEstimate
- Measurement: Radar Doppler
Variable: MMCR Spectral Width // SpectralWidth
- Variable: BLC/VCEIL Clothiaux et al. Algorithm Cloud Base Height // CloudBaseCeilometerCloth
- Variable: BLC/VCEIL Standard Algorithm Cloud Base Height // CloudBaseCeilometerStd
- Variable: Beginning Time of File // base_time
- Variable: Bottom Height of Hydrometeor Layer from Composite (MMCR/Campbell et al. MPL) Algorithms // CloudLayerBottomHeightMpiCamp
- Variable: Bottom Height of Hydrometeor Layer from Composite (MMCR/Clothiaux et al. MPL) Algorithms // CloudLayerBottomHeightMpiCloth

Combine files by datastream:

File format:

Remove data points from DOR(s) known to be: Incorrect Suspect

CANCEL **SUBMIT DATA REQUEST**



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DATA DISCOVERY

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Search for... (Start date) (End date) **GO**

Home Menu Cart (2)

Welcome

ARM's Data Discovery browser features pre-selected sorts and search logic to help you find atmospheric and climate data faster. Included in the browser is access to data quality reports and data plots, which features visualized displays of data availability and quality.

HELP // FEEDBACK

Showcase Data »

Modeling Best Estimates

The ARM Best Estimate data products are ARM datastreams specifically tailored to climate modelers for use in the evaluation of global climate models. They contain a best estimate of several cloud, radiation, and atmospheric quantities.

Search by Category

Aerosols

The effect of aerosols is measured by ground-based systems and lidars that provide information on aerosol distribution, optical properties, and aerosol extinction of aerosols.

Cloud Properties

Active and passive remote sensing instruments are used to measure the macrophysical properties (horizontal and vertical distribution) and microphysical properties (microphysical properties and phases [water or ice]) of the clouds.

