

Ten Years of ARM External Data

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XDC Mission

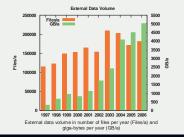
The ARM External Data Center (XDC) acquires, processes, and transmits data to the ARM Archive, that are originally produced or collected by organizations through funding by other agencies or programs external to ARM. The criteria for inclusion are:

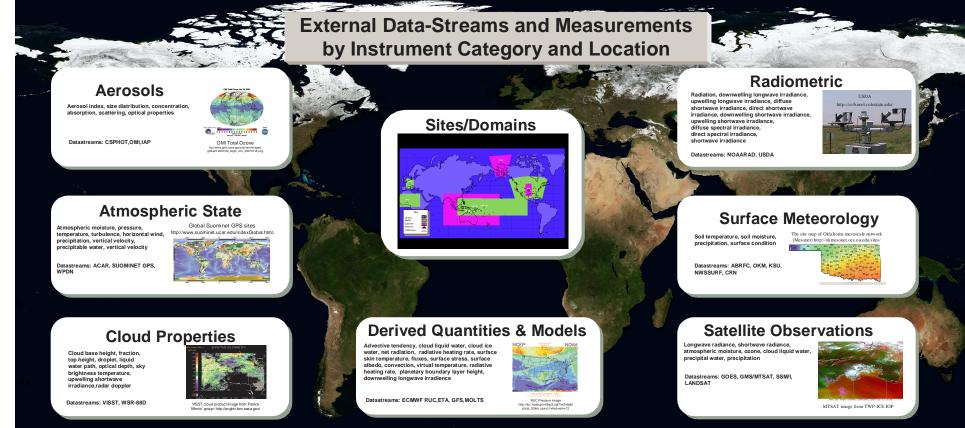
- Scientifically relevant and complementary to ARM data
- Not otherwise archived, or easily accessible
- · Significant value added by processing to follow ARM standards

Here we show a sampling of external data-streams in each of the ARM measurement categories across all of the ARM sites.

XDC celebrates 10 years of service

When the XDC began operation in October 1996, it processed 36 data-streams based on 11 external data product collections and transferred an average of 12 GB/month to the Archive. Since then, the XDC capacity has grown to meet the scientific and programmatic needs. Today, the XDC handles 250 data streams based on 31 external data product collections with an average volume of 473 GB/month.





Upcoming Datastreams

GFS (Global Forecast System) model:

Measurements: absolute vorticity, convective available potential energy, convective inhibition, cloud water, surface lifted index, ozone mixing ratio, pressure, precipitable water, RH, specific humidity, temperature, total ozone, u-wind, v-wind, vertical speed shear, pressure vertical velocity

TDMA(Tandem Differential Mobility Analyzer) from Texas A & M University :

Measurements: size-resolved hygroscopic growth factor, size-resolved volatility.

Current List of External Data XDC Data Description Page: http://www.arm.gov/xds

Don't see a data set on our page? 1) Send an email to xdc_oper@arm.gov for assistance

OR

2) Submit your request for new data to the ARM ECR System (http://ecr.arm.gov). If approved the XDC will begin the process as directed through the ECO system.