The DOE ARM Best Estimate Dataset (ARMBE)

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What Do We Have in ARMBE?

- **ARMBE-CLDRAD**
  - Cloud fraction profiles
  - Total clouds
  - LWP/PW
  - Surface radiative fluxes
  - TOA radiative fluxes
  - Satellite retrieved clouds

- **ARMBE-ATM**
  - Soundings
  - NWP analysis data
  - Surface heat fluxes
  - Surface precipitation
  - Surface temp, RH, and winds

- **ARMBE-cloud/aerosol properties ACRED+RIPBE**
  - LWC/IWC
  - liquid re, ice re
  - LWP/IWP

- **ARMBE - Land**
  - Soil temperature, soil moisture, soil heat flux
  - CO2 concentration and density
  - photosynthetic photon flux density

- **ARMBE - AMF**
  - Selected AMF deployments

- **ARMBE – Domain-AVG**
  - Only for SGP
An Integrated Product
ARMBE Availability

ARMBECLDRAD
• NSA.C1: NSA-Barrow 01/01/1998 - 12/31/2010
• SGP.C1: SGP-Lamont: 01/01/1994 - 12/31/2011
• TWP.C1: TWP-Manus: 01/01/1996 - 12/31/2010
• TWP.C2: TWP-Nauru Island: 01/01/1996 - 12/31/2010
• TWP.C3: TropTWP-Darwin: 01/01/1996 - 12/31/2010

ARMBEATM :
• NSA.C1: NSA-Barrow: 01/01/2001 - 12/31/2010
• SGP.C1: SGP-Lamont: 01/01/1994 - 12/31/2012
• TWP.C1: TWP-Manus: 01/01/1996 - 12/31/2010
• TWP.C2: TWP-Nauru Island: 01/01/1996 - 12/31/2010
• TWP.C3: TWP-Darwin: 01/01/1996 - 12/31/2010

ARMBE-Others: Vary with products
Questions?