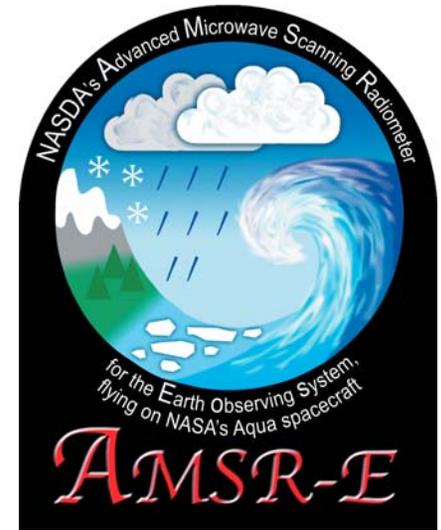




National Snow and Ice Data Center  
Supporting Cryospheric Research Since 1976



# AMSR-E Validation Data Archive and Distribution

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# Overview

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- Status of Data Set Publishing
- AMSR-E Validation Data Distribution Statistics
- Future Plans

# *Ingest to Public Release*

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- Data provider fills out a 'Data Submission Form' via the web
  - Starts the process within NSIDC
  - Provides key information about the data set
- Data archived at NSIDC vs. brokered
  - Brokered data sets are not archived at NSIDC but we provide visibility, documentation and support

# *Ingest to Public Release*

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- NSIDC Archive Services arranges for transfer of data and related information
  - Maintains an original 'snapshot' of everything received in addition to the final version that is released
- NSIDC Technical Writer develops a 'Guide Document' and inputs high level metadata
  - Guide documents follow a specific format
  - Metadata results in DIF in the GCMD and allows the data set to become visible in the NSIDC on-line catalog

# *Ingest to Public Release*

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- Team reviews documentation
- Data are published and available to the public!

# *Status of Data Set Publishing*

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- Cryosphere
  - Coordinating with PIs on data ingest and data organization issues for AMSR Ice campaigns
- Rainfall
  - Complete

# *Status of Data Set Publishing*

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- **Soil Moisture**
  - **SMEX02**
    - Will be complete this year, one more data set
  - **SMEX03**
    - Approximately half of data ingested
  - **SMEX04**
    - In progress

<b>Ground Soil Moisture</b>	<b>Alabama</b>	<b>Georgia</b>	<b>Oklahoma</b>
SMEX03 Soil Climate Analysis Network (SCAN)	<a href="#">Data</a> <a href="#">Documentation</a>	<a href="#">Data</a> <a href="#">Documentation</a>	<a href="#">Data</a> <a href="#">Documentation</a>
SMEX03 Regional Ground Soil Moisture Data	<a href="#">Data</a> Documentation	<a href="#">Data</a> <a href="#">Documentation</a>	<a href="#">Data</a> <a href="#">Documentation</a>
SMEX03 Watershed Ground Soil Moisture Data	<a href="#">Data</a> Documentation	<a href="#">Data</a> Documentation	<a href="#">Data</a> <a href="#">Documentation</a>
 SMEX03 Theta Probe Measurements	<a href="#">Data</a> Documentation	<a href="#">Data</a> Documentation	<a href="#">Data</a> Documentation
 SMEX03 Micronet	<a href="#">Data</a> Documentation	<a href="#">Data</a> Documentation	<a href="#">Data</a> Documentation
<b>Satellite Remote Sensing</b>	<b>Alabama</b>	<b>Georgia</b>	<b>Oklahoma</b>
 SMEX03 Vegetation Index and Water Index (NDVI and NDWI)	<a href="#">Data</a> Documentation	<a href="#">Data</a> Documentation	<a href="#">Data</a> Documentation
 SMEX03 Thematic Mapper GEOTIFF Imagery	<a href="#">Data</a> Documentation	<a href="#">Data</a> Documentation	<a href="#">Data</a> Documentation
<b>Vegetation</b>	<b>Alabama</b>	<b>Georgia</b>	<b>Oklahoma</b>
 SMEX03 Vegetation Photographs	<a href="#">Data</a> Documentation	<a href="#">Data</a> Documentation	<a href="#">Data</a> Documentation
 SMEX03 Vegetation Data	<a href="#">Data</a> Documentation	<a href="#">Data</a> Documentation	<a href="#">Data</a> Documentation
 SMEX03 Vegetation Water Content	<a href="#">Data</a> Documentation	<a href="#">Data</a> Documentation	<a href="#">Data</a> Documentation
<b>Meteorological</b>	<b>Alabama</b>	<b>Georgia</b>	<b>Oklahoma</b>
 SMEX03 Atmospheric Aerosol Optical Properties Data	<a href="#">Data</a> Documentation	<a href="#">Data</a> Documentation	<a href="#">Data</a> Documentation
<b>Ancillary Data</b>	<b>Alabama</b>	<b>Georgia</b>	<b>Oklahoma</b>
 SMEX03 Ancillary Data	<a href="#">Data</a> Documentation	<a href="#">Data</a> Documentation	<a href="#">Data</a> Documentation

# Next Steps

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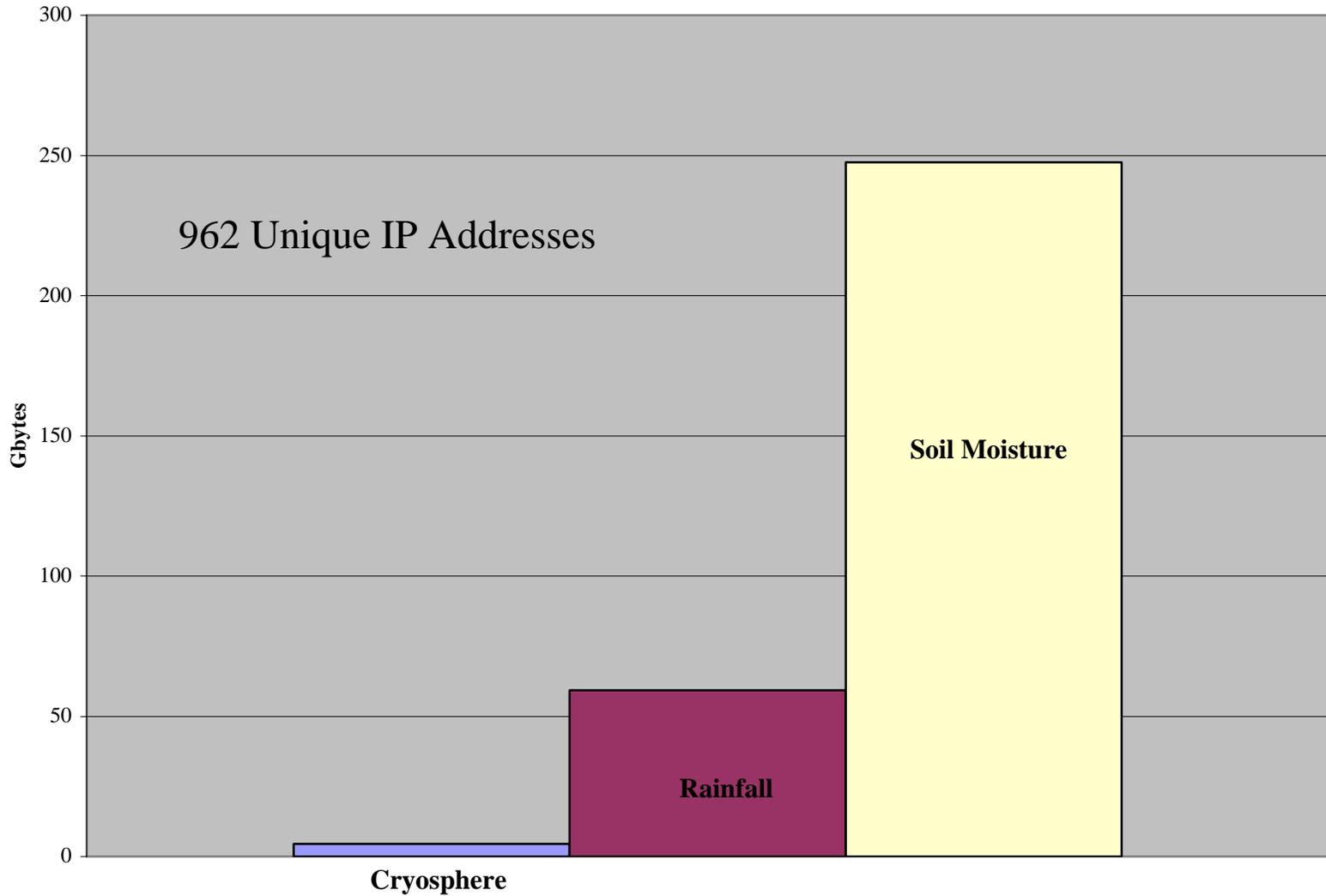
- Mapserver functionality
  - Enhance access to data through visualization of ground, aircraft and satellite remote sensing data temporal and spatial coverage
  - Test case will be applied using SMEX02 data and starting with ground measurements, PSR aircraft, and AMSR-E satellite measurements
- Outreach
  - NSIDC Notes
  - Upcoming Fall AGU meeting
  - Bibliography matching AMSR-E approach
  - Other meetings, venues to suggest?

# *Distribution Statistics*

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- Distribution via FTP
- Volume and number of files distributed
- Unique IP addresses
- All NSIDC addresses filtered out of reports
- Use caution when comparing between campaigns/disciplines: Varying number of data sets with varying data characteristics

**AMSR-E Validation Data  
Volume of Data Distributed (Gbytes)**



# AMSR-E Validation Data Number of Files Distributed

