

# A Brief Update from the September 2009 Meeting on Data Management

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NOAA's National Climatic Data Center

GRUAN ICM-2  
Payerne, Switzerland, March 2-4, 2010

# NCDC Take-Away Messages

- We support GRUAN data policy
  - 2.1 WMO Resolution 40
  - 2.2 Time of Data Release
    - Preliminary release in near real time
    - Full release in delayed mode (six months later)
- We want to assist GRUAN in whatever way we (realistically) can with data handling and dissemination



# NCDC Already Services...

- Radiosonde Atmospheric Temperature Products for Assessing Climate (RATPAC)



- Integrated Global Radiosonde Archive (IGRA)

# Basic GRUAN Access?

**Integrated Global Radiosonde Archive**

**Data Access**  
ASCII Files (FTP)  
Maps/Charts  
Metadata

**Description**  
Introduction  
Source Data  
Data Coverage

**Methods**  
Data Integration  
Quality Control  
Bias Adjustment

**Other**  
Journal Articles  
Related Projects  
Status Reports  
NCDC Upper Air Data

**Contacts**

### Introduction

The Integrated Global Radiosonde Archive (IGRA) consists of radiosonde and pilot balloon observations at over 1500 globally distributed stations (Figure 1). Observations are available for standard, surface, tropopause and significant levels. Variables include:

- Pressure
- Temperature
- Geopotential Height
- Dewpoint Depression
- Wind Direction
- Wind Speed

The period of record varies from station to station, with many extending from 1970 to present (Figure 2). Station records are updated daily and are available online at no charge.

*Photo courtesy of National Weather Service*

### Index of /pub/data/igra

Name	Last modified	Size	Description
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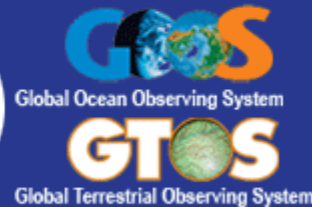
# DOE Perspective

- McCord, Peppler, Ritsche, Kehoe, Sisterson
- User requirements, interface, data deli
- The role of sonde mentors
- The value of ground checks
- ACRF data review and documentation
- Structure and operations of ARM archive



# GOSIC

Global Observing Systems Information Center



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Facilitating Access to Global Observing Systems Data and Information

*The GOSIC Portal provides convenient, central, one-stop access to data and information identified by the Global Climate Observing System (GCOS), the Global Ocean Observing System (GOOS) and the Global Terrestrial Observing System (GTOS) and their partner programs, such as the Global Atmosphere Watch (GAW) and regional observing systems, such as the GOOS Regional Alliances (GRA). [More information on the GOSIC and the GOSIC Portal](#)*

## How do I find Climate Datasets Quickly?

- [Search Data by GCOS Essential Climate Variables](#) (e.g. Temperature, Precipitation, Sea Surface Temperature, etc.)
- [Observational Datasets in Support of the IPCC](#)
- [Search Global Observing Data on the GOSIC Portal](#) (GOSIC Data Registry) (Provides complete list of Global Observing Systems data) (search by Keyword, program, data center, program/element etc.)
- [Search using Data Access Matrices](#) (provides quick access to data download by variable, theme or program)
- [Text Search](#) (in the process of being updated)



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# CFH at ACRF SGP GRUAN Site

- Brief discussion on issues related to the launch of the cryogenic frost point (CFH) hygrometers
- 12 points of agreement came out of the discussion - e.g.,
  - Diamond will provide all GRUAN incremental funding for materials needed for CFH, ozone sondes, and any other GRUAN requirements for U.S. GRUAN stations, as budget allows.



# Wrap-up Session

- 12 points of agreement came out of this discussion as well - e.g.,
  - Lindenberg will work with NCDC (Vose) on GRUAN data flow with respect to NCDC data dissemination
  - Sommer (Lead Center) and Lief (NCDC) will collaborate with respect to utilizing GOSIC for GRUAN data access
  - Acknowledge joint partnerships of DOE, NOAA, DWD

