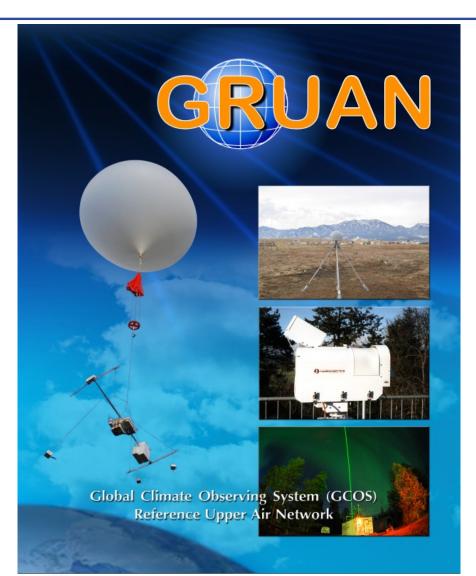
GCOS Reference Upper Air Network





Report GRUAN Lead Center

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Head GRUAN Lead Center Meteorological Observatory Lindenberg DWD



Meteorological Observatory Lindenberg – Richard Assmann Observatory (2012)





- Franz Immler left the lead center in October 2011
- Welcome to our new staff member: Ruud Dirksen Initial tasks:
 - Documentation for RS92 product
 - Analyzing and developing new GRUAN data products
 - Gradually taking over some of the coordinating activities
- Current lead center staff: Holger Vömel (lead), Michael Sommer (scientist), Ruud Dirksen (scientist), Marion Fiedler (administrative assistant)







- Data are currently being received from 11 stations
- Frequency of data received will increase
- Overview of data status in talk by Michael Sommer





Development of new GRUAN data products in progress

- Frostpoint observations (Hurst / Vömel)
- Different radiosondes (Phillipona / Li)
- Lidar (Leblanc)
- GPS integrated precipitable water vapor (Rannat)

Discussions on Wednesday afternoon







Working with new sites to join GRUAN:

- Ny Alesund (Marion Maturili)
- Sirta and La Reunion (Martial Haeffelin)
- Additional sites will follow









GRUAN Network Expansion Work (NEW)

- 13-15 June 2012
- Hotel Kaiserhof Fürstenwalde (between Berlin and Lindenberg)
- Hotel reservation and registration until 31 March 2012
- Information at www.gruan.org
- Lead center is local organizer







- RSlaunch client developments
 Tool to collect meta data, raw data and processed data
 User experiences used to improve software
 Need feedback from users (!)
- Monitoring tools are being developed to track data flow (Overview in presentation by Michael Sommer)
- Lidar client being developed in cooperation with Task Team Ancillary Measurements







- GRUAN web page at www.gruan.org Static information about GRUAN and current activities
- GRUAN blog at gruan.wordpress.com
 Discussion forum for GRUAN related topics
 Public and private discussions possible
 Task Team Radiosondes has used this extensively
 Other Task Teams are starting to use it





Radiosonde intercomparison



- Results of the WMO radiosonde intercomparison at Yangjiang published in May 2011.
- Lessons of this report are slowly spreading within the radiosonde community.
- Preliminary results had been discussed at ICM-3.







- GRUAN-TD-1: Manual for the Data Management in GRUAN (to be adopted), author: Michael Sommer
- GRUAN-TD-2: Manual for the Data Management of Radiosoundings in GRUAN: (to be written), author:
- GRUAN-TD-3: User Guide of GRUAN RsLaunchClient (to be adopted) author: Michael Sommer
- GRUAN-TD-4: Brief Description of the RS92 GRUAN Data Product (RS92-GDP) (formally adopted) authors: Franz Immler und Michael Sommer
- GRUAN-TD-5: Pre-launch Procedures for Vaisala RS92 Radiosonde Observations for GRUAN (in review); authors: Franz Immler, Larry Miloshevich and TT Radiosondes
- GRUAN-TD-6: GNSS-water vapor (in preparation); authors: Wang, Rannat, TT GNSS-PW







- Network for the detection of atmospheric composition change (NDACC) lidar working group meeting: June 2011
- World Climate Research Program Open Science Conference (WCRP OSC) poster cluster: Oct 2011 (Details Tuesday afternoon: Thorne)
- NDACC symposium and steering committee meeting: Nov 2011 (Details Tuesday afternoon: Vömel)
- GCOS/WIGOS/CBS Expert Meeting on GRUAN Observing Practices and Governance: Jan 2012 (Discussion Tuesday afternoon: Bodeker)
- Stratospheric Processes and their Relation to Climate (SPARC) Scientific Steering Group Meeting: Feb 2012



