

GRUAN



Global Climate Observing System (GCOS)
Reference Upper Air Network

Report GRUAN Lead Center

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Change in staff

- 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

Expansion of GRUAN

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

- 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