Task Team 5 (Ancillary Measurements, TT-AM)
2015 Report

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1. Interface with other expert teams (such as NDACC, MWRNet, TCCON, etc.)

2. Evaluate the data products (uncertainty budget etc.) and bring in missing knowledge

3. Inventory potential instruments (and interface with other GRUAN-Task Teams if needed)

4. Establish campaign rationales for the validation of data from multiple platforms

5. Establish a system for the routine collection and display of data from multiple platforms

6. Guidance on the type and amount of data and associated metadata needed to be stored from the instruments, as needed

7. Draw conclusions on the suitability of the deployed equipment and advise accordingly to GRUAN Task Team on Site Assessment

8. Report to WG-ARO on all above duties

Name	Affiliation	AM	Community
J. Hannigan	NCAR	FTIR	NDACC, TCCON
M. De Mazière	IASB/BIRA	FTIR	NDACC, TCCON
M. Schneider	IMK-ASF	FTIR	NDACC, TCCON
N. Cimini	IMAA/CNR	Microwave	MWRNet
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A. Haefele	MeteoSwiss	Microwave, Lidar	NDACC, MWRNet
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T. Leblanc	JPL/Caltech	Lidar	NDACC, TOLNet
D. Whiteman	NASA/GSFC	Lidar	NDACC
T. Reale	NOAA/NESDIS	Satellite	
M. Schröder	DWD	Satellite	GEWEX
D. Tobin	Univ. Wisconsin	Radiance	
J. Gero	Univ. Wisconsin	AERI	ARM

GRUAN Best Measurement Practices and Guidelines for FTIR:

- *Currently being written*

MUSICA H2O data and uncertianty budget:

- *See presentation by M. Schneider Tuesday afternoon*

New SFIT4 data processing software

- FTIR data processing software SFIT2 upgraded to SFIT4
- Update includes module for the evaluation of the uncertainty budget.
- New SFIT4 software implemented in several stations

NORS Project (nors.aeronomie.be) new deliverables:

- Deliverable meant to better characterize the NORS data
  Data User Guide
  'Uncertainty Budgets' document'
  'Spatial representativeness of NORS observations' document:
  All docs publicly available at http://nors.aeronomie.be/index.php/documents

GRUAN Best Measurement Practices and Guidelines for lidar

- *On hold: will resume as complete GRUAN lidar data stream is fully linked (2015)*

GRUAN Lidar Data Stream: LidarRunClient

- *No progress in 2014*

- *Activity to resume now*

- *First operational version expected summer 2015*

GRUAN Lidar Data Stream: Data processing (GLASS)

- *Good progress on the GLASS: Raw data from 3 potential GRUAN lidar raw data can be analyzed (Payerne, Potenza, and Ny Alesund)*

- *Plan is to extend this to Cabauw and Beltsville*

Contributors:
Cimini, Kämpfer, Haefele, Navas, Löhnert, Gülder, Pospichal

Microwave Radiometer Guidelines (GRUAN AI #24)

- Version 0.8 delivered just before ICM-7

- Sections 1, 2, 3 are nearly completed. Sections 4-9 are being drafted.

- *Complete draft expected by June 2015.*

Action Item (26): Validation Strategies and Results ((GRUAN AI #26)

- *Validation statistics available for some GRUAN sites (in GRUAN MWR guidelines).*

- *Other activities planned within the EU COST Action TOPROF:*

  - *Review of instrument and retrieval accuracy*

  - *Observation minus model background (O-B) statistics*

GRUAN Action Item #39: Inventory of AERI instruments to be compiled for TTAM consideration and report to GRUAN community on viability to bring AERI into GRUAN)

- *No inventory at the moment (no feedback received from J. Gero this year)*

- *TT-AM co-chairs to contact Gero for follow-up in 2015.*

2015 = Year of the GRUAN Ancillary data streams?

- *All GB techniques: Guides/Best Practices documents to be completed mid-2015*

- *Lidar: GLASS expected to produce GRUAN products for 3+ sites*

- *Other techniques: data stream setup expected*

➔ Hopefully, YES!