

GRUAN



Flash update - Graw Data product development

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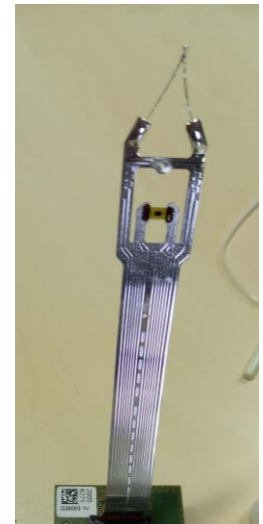
12th GRUAN Implementation and Coordination Meeting (ICM-12)
November 2020

- 2 models: DFM09 & DFM17
- DFM09 was operational radiosonde in SNG
 - Long-term testing (DFM09 - RS92) in Lindenberg
- Graw support for development data product for DFM17
- Main differences wrt DFM09
 - Heated RH sensor, no protective cover

DFM09

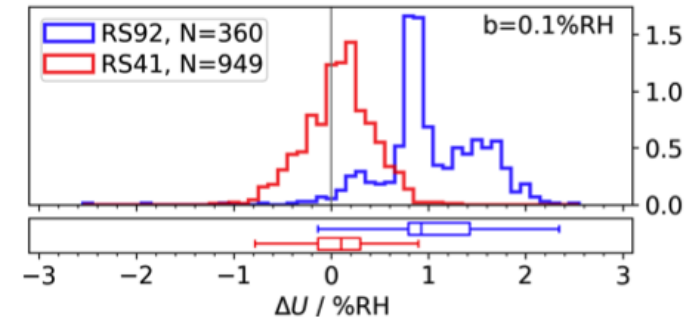


DFM17



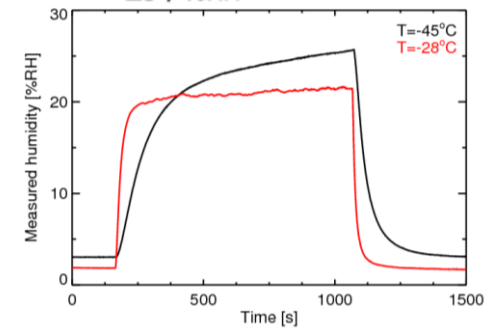
PTU

(calibration, hysteresis)



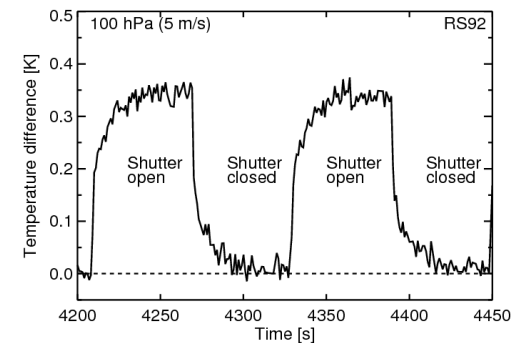
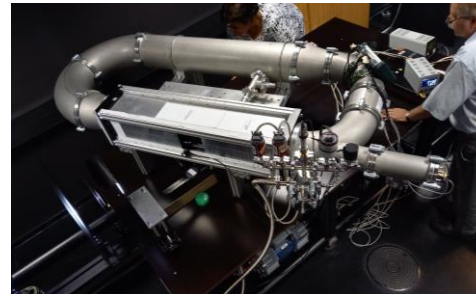
Climate chamber

(time lag RH sensor)



Radiation

(T sensor)



- Laboratory tests completed
- Start of data analysis



- Develop/implement correction algorithms (GDPS)
- Analysis comparison RS92 & RS41
- Documentation
- Dataproduct (2021)



- Bernd Stiller (contractor)
- Christoph von Rohden, Helge Friedrich (Radiation)
- Tatjana Naebert, Rico Tietz (Climate chamber – time lag)
- Susanne Körner, Marion Fiedler-Krüger (SHC test)



