



## Graw Data product status

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- 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

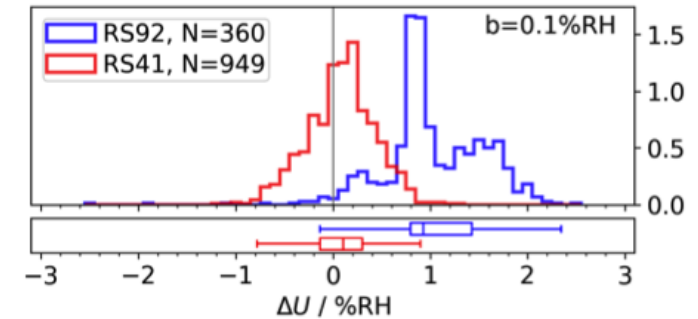


DFM17



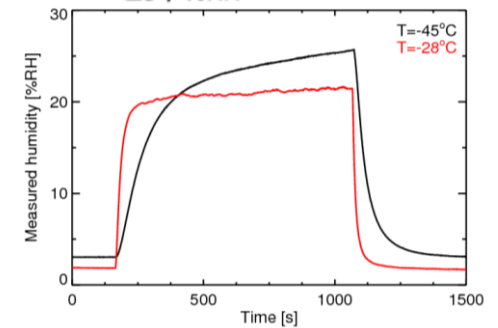
## PTU

(calibration, hysteresis)



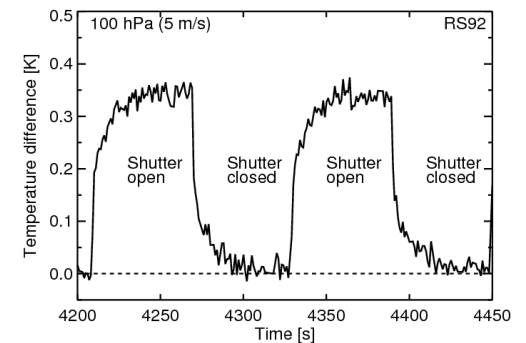
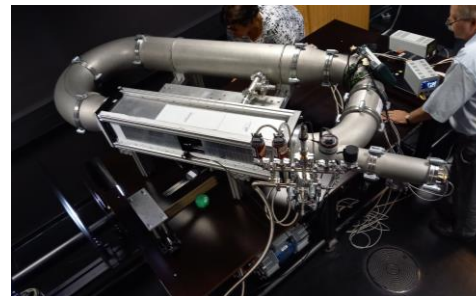
## Climate chamber

(time lag RH sensor)

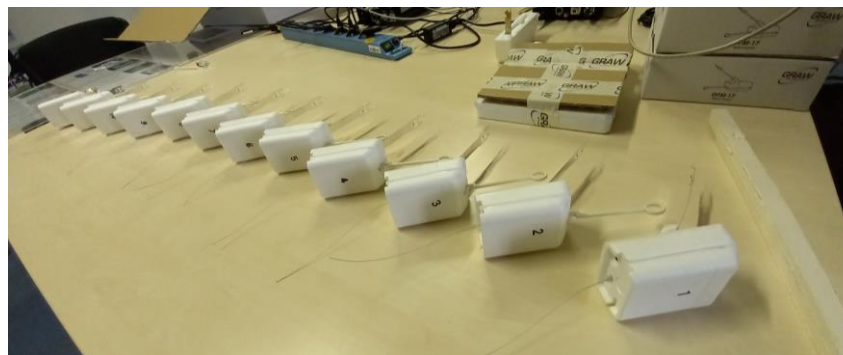


## Radiation

(T sensor)



- Laboratory tests completed
  - Repeat of DFM17 laboratory measurements because of modifications
  - Hardware issues, e.g. related to heating of RH-sensors
  - Time lag measurements without sensor heating
- Twin soundings
  - RS92 - DFM09 (archive)
  - RS41 – DFM17 (ongoing)
- Start of data analysis



- Develop/implement correction algorithms (GDPS)
- Documentation

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

