

Progress on a frostpoint hygrometer data stream

Holger Vömel,
GRUAN Lead Center
DWD Meteorological Observatory Lindenberg

ICM-5
26 February 2013

Open actions:

- Establish comprehensive uncertainty analysis
- Validation under all conditions including lab
- Document uncertainty analysis
- Establish feasible ground check

This will be an iterative process

First working product to completed within 6 months

Little progress so far

But more than nothing:

We have a handle to determine the contamination in the upper part of the profile (key contributor to uncertainty)

We have continued working on the ground check

We have started cross checking the calibration between Lindenberg and Boulder

We have conducted several dual soundings and are preparing for dual soundings Lindenberg / Boulder

We are getting ready for another lab intercomparison at the AIDA chamber

We are on the right path, but speed is too slow