

Spectral Imager Data from specMACS

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The specMACS instrument has been thoroughly characterized using the facilities of the Calibration Home Base (CHB) [1] of the DLR IMF. The talk will give a short overview about the findings and should act as a reference for users of the data. One purpose of this talk is to inform about what kind of data, resolution and total accuracy can be expected and how it should be interpreted.

Furthermore, the specMACS data server (macsServer) is now operational, accessible over the internet and is being integrated into the central HALO-DB for cross database searches. As the dataset acquired by the specMACS instrument during ACRIDICON-CHUVA 2014 is too large to be distributed via the HALO-DB, the primary mode of access will stay the LMU macsServer in the future. To enable each scientist to use the whole dataset without downloading all of it, the macsServer employs the OPeNDAP [2] protocol as well as a query API which allows to search through the datasets by exploiting its metadata. It provides not only the measured and calibrated data but also augments them with position and quality information. This talk will give a short introduction into the concepts of the server such that scientists interested in data from specMACS can use it efficiently.

[1] Gege, P., Fries, J., Haschberger, P., Sch tz, P., Schwarzer, H., Strobl, P., Suhr, B., Ulbrich, G., and Vreeling, W. J.: Calibration facility for airborne imaging spectrometers, ISPRS Journal of Photogrammetry and Remote Sensing, 64, 387 397, doi: 10.1016/j.isprsjprs.2009.01.006, 2009.

[2] <http://www.opendap.org/>
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