

Overview of the infrastructure for the ACRIDICON-CHUVA aircraft project

Nillius, Björn¹; Rosenow, Dagmar²; Pöschl, Ulrich¹; Wendisch, Manfred²; Andreae, Meinrat¹; Machado, Luiz³, and the ACRIDICON-CHUVA Team

¹Max Planck Institute for Chemistry, Mainz, Germany

²Leipzig Institute for Meteorology (LIM), University of Leipzig, Leipzig, Germany

³National Institute for Space Research Center for Weather Forecast and Climate Studies, Cachoeira Paulista, Brasil

The HALO aircraft mission ACRIDICON-CHUVA took place in September / October 2014 in Manaus, Brazil.

ACRIDICON-CHUVA is aiming at the elucidation and quantification of aerosol cloud-precipitation interactions and their thermodynamic, dynamic and radiative effects in convective cloud systems by in-situ aircraft observations combined with indirect measurements (aircraft, satellite, and ground based) and numerical simulations (Wendisch et al. 2014)

After the measurement campaign data preparation, data and information exchange and scientific publishing play an important role. For data and information exchange, for example, the ACRIDICON-CHUVA homepage and the HALO database can be used.

This presentation shall provide an overview of the infrastructure within the ACRIDICON-CHUVA project.

Acknowledgement: This work is supported by the DFG project SPP 1294 (HALO) and a wide range of institutional partners.

References:

Wendisch et al.: White Paper for the HALO (High Altitude and Long Range Aircraft) Mission ACRIDICON-CHUVA, 2014

ACRIDICON website: <http://www.uni-leipzig.de/~meteo/acridicon-chuva/>, November 2015

HALO database: <https://halo-db.pa.op.dlr.de/mission/5>