

Ground-based remote sensing

Ground-based Remote Sensing

The experimental and theoretical work of our research group is dedicated to the development and application of measuring instruments for remote sensing of atmospheric processes. Our activities are aimed at the determination of optical and physical properties of aerosols and clouds as well as at the assessment of the general atmospheric state parameters (temperature, wind, moisture). We apply various optical measurement methods which are specifically useful for tropospheric monitoring.

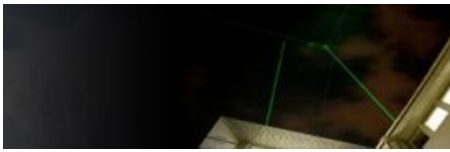
Current observation data





Main research areas

Aerosol properties



Aerosol properties

Application of optical measurement techniques to derive the properties of aerosol particles.

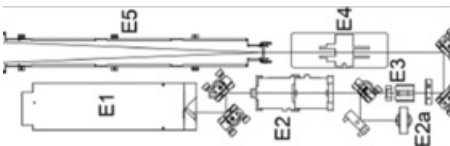
Aerosol-Cloud-Interaction



Aerosol-Cloud-Interaction

Determination of cloud parameters from combined measurements of lidar and cloud radar.

Development of Methodologies and Devices



Development of Methodologies and Devices

Developments of different methodologies and devices of the ground-based remote sensing group.

Cloudnet Training School, 27.-31.03.2017

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Cyprus Clouds Aerosol and Rain Experiment (CyCARE)

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