



ATMO ACCESS
Access to Atmospheric Research Facilities



Services provided by LACROS

Leipzig Aerosol and Cloud Remote Observations System



This work has received funding from the European Union's Horizon 2020 research and innovation programme through the ATMO-ACCESS Integrating Activity under grant agreement No 101008004

atmo-access.eu

SERVICE 1 – Instrument Testing & Validation

TYPE OF SERVICE	Research, Technical service
SERVICE DESCRIPTION	Operation of LACROS equipment and/or user-owned equipment to test and/or validate the instrumentation. Based on an agreement between the user and the service provider, the instrument is added to LACROS and its operation is monitored by the service provider (in case of remote access) or by the user (physical access). The LACROS data products are provided for the time period of the TNA.
ATMOSPHERE TYPE	Ambient
TYPE OF ACCESS	Physical & Remote
TARGET USERS	Academia, Private sector
SERVICE STATUS	Available
AVAILABILITY PERIOD	The service is available. Location is subject to change, due to the mobility of LACROS.
TIME CONSTRAINTS	None
CONTACT	Patric Seifert, seifert@tropos.de

SERVICE 2 – Algorithm Testing & Validation

TYPE OF SERVICE	Research service
SERVICE DESCRIPTION	Application, testing, and/or validation of custom retrieval techniques based on measurements of LACROS. LACROS datasets are provided to the user. It is also possible to create customized data products, in agreement to the needs of the user. Possibilities are, e.g., special operation modes or scan modes of the LACROS instruments.
ATMOSPHERE TYPE	Ambient
TYPE OF ACCESS	Physical, Remote
TARGET USERS	Academia, Private sector
SERVICE STATUS	Available. Location is subject to change, due to the mobility of LACROS.
AVAILABILITY PERIOD	The service is available. It can either be applied to existing datasets or to observations at the current location of LACROS.
TIME CONSTRAINTS	None
CONTACT	Patric Seifert, seifert@tropos.de

SERVICE 3 – Deployment at user-defined Location



TYPE OF SERVICE	Research service
SERVICE DESCRIPTION	Deployment of the LACROS suite, or components, at a user-defined custom location. It will require strong coordination between user and service provider.
ATMOSPHERE TYPE	Ambient
TYPE OF ACCESS	Physical & Remote
TARGET USERS	Academia, Private sector
SERVICE STATUS	Available
AVAILABILITY PERIOD	The service is available, but it needs to fit into the deployment schedule of LACROS.
TIME CONSTRAINTS	<ul style="list-style-type: none"> - Must fit into the regular, existing deployment schedule of the site - Deployment duration is at least 4 weeks - Preparation time at least 3 months, but additionally depending on the conditions present at the measurement location and administrative regulations
CONTACT	Patric Seifert, seifert@tropos.de

SERVICE 4 – Case studies of aerosol-cloud-dynamics-precipitation interactions

TYPE OF SERVICE	Technical service
SERVICE DESCRIPTION	<p>This service aims on providing special, customized datasets to companies (weather forecast, industry, NGOs), research organizations, or policy makers. Based on constraints provided by the user, the service provider screens the dataset for fitting scenarios and provides the requested tailored datasets.</p> <p>This service is also applicable in order to obtain customized datasets about special situations, such as natural hazards (volcanic eruptions, wildfire events, dust outbreaks, special weather situations). It can also find application for evaluation studies of numerical weather simulations.</p>
ATMOSPHERE TYPE	Ambient
TYPE OF ACCESS	Remote
TARGET USERS	Academia, Private sector
SERVICE STATUS	Available
AVAILABILITY PERIOD	The service is available
TIME CONSTRAINTS	None
CONTACT	Patric Seifert, seifert@tropos.de

SERVICE 5 – Training



TYPE OF SERVICE	Training service
SERVICE DESCRIPTION	Training of users (scientists, private sector) in instrument handling, campaign planning, calibration procedures, or application of algorithms. On-site training as well as virtual training is possible.
ATMOSPHERE TYPE	Ambient
TYPE OF ACCESS	Physical, remote
TARGET USERS	Academia, Industry, Policy makers
SERVICE STATUS	Available
AVAILABILITY PERIOD	The service is available
TIME CONSTRAINTS	None
CONTACT	Patric Seifert, seifert@tropos.de