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In short:

EUFAR gives students the opportunity to get access to the airborne research campaigns by coordinating and funding their participation. The application process is supported by the EUFAR website by presenting the available opportunities as well as handling the on-line registration and reporting.

A student's step-by-step guide to joining a research campaign with EUFAR Education & Training:

• choice of the campaign – information sources

- -EUFAR website: www.eufar.net
- * EUFAR fleet database
- * campaign catalogue
- with training opportunities highlighted
- * brief campaign descriptions
- -local EUFAR contact (Ela Grzeszczak at the University of Warsaw)
- -local websites and bulletin boards

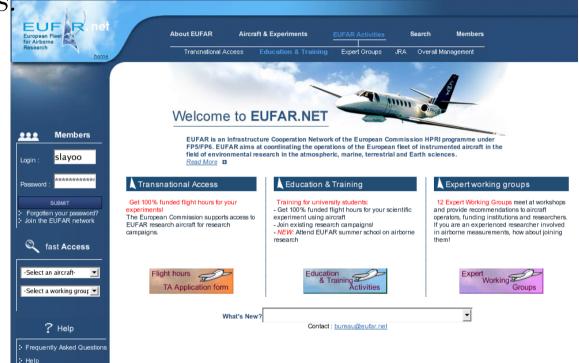


Figure 6: EUFAR website

Scientific Field 2: Information & Communication Technologies

I am interested in taking the opportunity to join the Geophysica-AMMA project as a student to gather

experience in reaserch project strictly related to by studies research field. An important factor is

Firstly I expect to get practical knowledge related to athospheric physics measurements and

participating in the analysis of the experiment data. Finally my aim is to base my master thesis

any kind of help which I can offer during the experiment will be a valueable experience for me.

Browse... Current file

Email: *slayoo@igf.fuw.edu.pl

Department: * Atmospheric Physics Divi

ect the research campaign you would like to join:

Details for the application

w will you contribute to the project?

■ Upload your CV

Application process

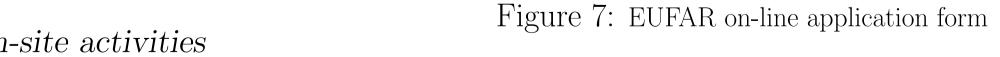
- on-line application form description of:
- background and rationale
- motivation
- expectations
- possible contributions



- scientific arrangements:
- -search for a host researcher
- getting acquaintance with the campaign research programme
- getting an assignment for on-site activities

• logistic arrangements:

- hotel/transport/visa/medical issues (with help of EUFAR secretaries and campaign organizers)
- further search for funds (e.g. in case of out-of-Europe campaign)



Training Experience

Sylwester Arabas joined the M55-AMMA-SCOUT-O3 campaign (see below) flight-planning team in Ouagadougou Base Aerienne 511 in Burkina Faso preparing both M55 Geophysica and DLR F-20 Falcon research flights over West Africa. The three-week campaign time was an opportunity to get acquainted with research themes of both instrument and forecast/modeling teams and take part in an airborne campaign logistics.

On-site activities:

In short:

- MSG data collection and distribution among the team
- preparing MSG-based input for BOLAM model
- preparing after-flight MSG-based animations (fig. 1)

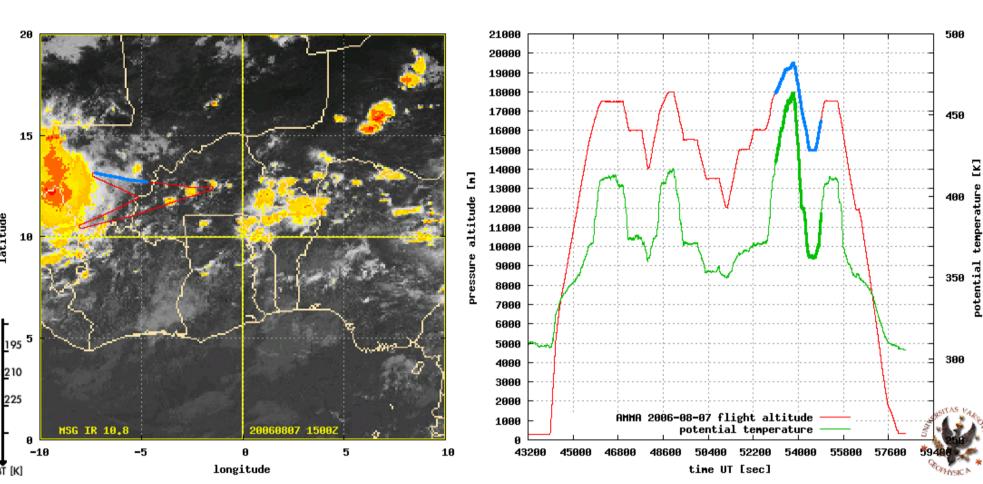


Figure 1: M55 flight summary; left: MSG picture and flight track; right: altitude and potential temperature profile during flight



Figure 3: M55-AMMA-SCOUT-O3 Campaign website (http://amma.igf.fuw.edu.pl/)



in the M55 V.Shvevtsov)



Figure 2: M55-AMMA-SCOUT-O3 Campaign Team in front of the hangar after the last local flight of Geophysica (ph. S.Arabas)

- campaign website (fig. 3) construction and maintenance, particularly focused on after-flight reporting
- nightly MCS alerts attendance
- dealing with NWP data (ECMWF RDF trajectories)



Figure 5: M55 on apron just after arrival from Marrakesh (ph. S.Arabas)



The M55-AMMA-SCOUT-03 Capmaign

The name:

- M55 The M55 Geophysica Stratospheric Research Aircraft
- AMMA African Monsoon Multidisciplinary Analyses
- SCOUT-O3 Stratospheric-Climate Links with Emphasis on the Upper Troposphere and Lower Stratosphere

Time & Location:

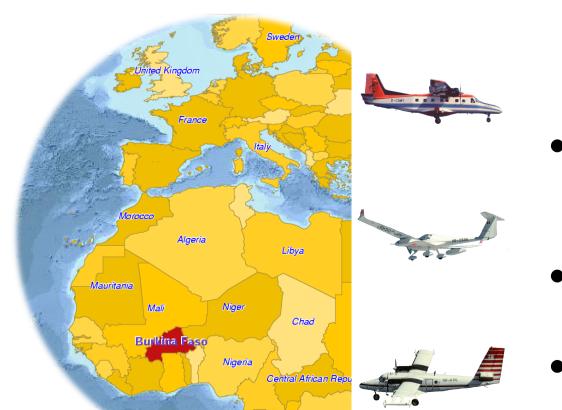
- July 31 August 18, 2006
- Ouagadougou, Capital of Burkina Faso, West Africa

Key research topics:

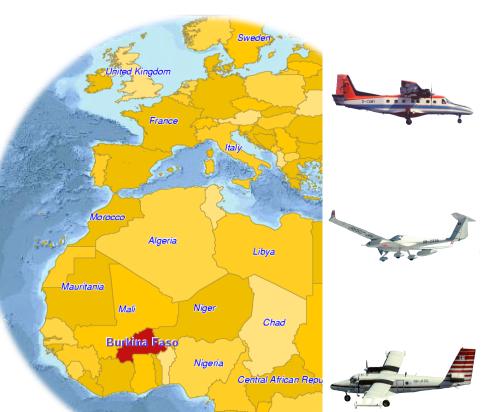
- Upper Troposphere / Lower Stratosphere, Tropical Tropopause Layer
- African Monsoon and MCS (Mesoscale Convective Systems)
- Measurements of cirrus clouds CALIPSO Validation

Facts about Ouagadougou AMMA Operation Center Activities:

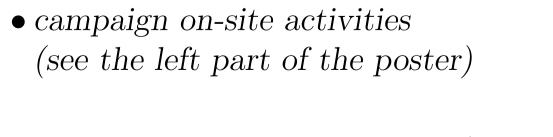
- aircraft deployed: M55 Geophysica, DLR Falcon
- over 85 scientific, technical and logistic staff involved on-site
- 22 research flights carried out (incl. 8 transfer flights)



SCOUT-03







• submitting the report to EUFAR

• reimbursement of the EUFAR-covered costs



