Boundary Layer Late Afternoon and Sunset Turbulence

BLLAST Newsletter - October 2011

by M. Lothon, F. Lohou and Pierre Durand

Experimental Plan Document:

We have almost finished to finalize the Experimental Plans document. (See http://bllast.sedoo.fr/campaigns/2011/Experimental-plans-document_v4.pdf). Only final details are missing now.
Thanks to all for sending your contributions.

BAMS article:

The proposal for submitting an article to the BAMS has been accepted by the Journal. So we will now start to write this article, based on the experimental document, the summary reports, and some preliminary results. You may be sollicited for that.

Meta data and data

The meta data should be filled via the website http://bllast.sedoo.fr/database/metadata_list.php.
After that, do not forget that the datafiles are due by 31 December 2011.
Contact the SEDOO team for more information or help (laurence.fleury@sedoo.fr).
Check the data policy that we have agreed at http://bllast.sedoo.fr/database/.

Flux stations data process

Henk Pietersen and Olivier de Coster from the Wageningen University have achieved their internship at Laboratoire d'Aérologie late september (supervision: O. Hartogensis, A. Moene, F. Lohou). They have processed the data of the 9 EC-stations successfully with EC-pack (processing tool developed by the MAQ group). The processed data will be soon available in the database, and their report explaining the processing will be put on the website.
Thanks a lot to Henk and Olivier for the great work they have done!

BOC, BLLAST Operational Center

The BOC (http://boc.sedoo.fr) will stay accessible, for everyone to get quick look (QL) from any instrument and day. It is also still possible to fill it ! If you haven't supplied your QL during the field, you can still do it now.
The instrument monitoring (which ran with a doodle poll all along the

experiment and last months) will be frozen in a fixed form by the end of November. Please complete the table if you haven't done so.
It helps us to have an overview of the data cover, IOPs included.

Modelling

Coordinated by D. Pino and F. Couvreux, the modeling working group has agreed on specifications for a preliminary intercomparison of mesoscale model simulations of some of the days of the field experiment (IOPs 8, 9 and 10), to be made by the next workshop.

BLLAST web site

The website has been some more documented, with reports and pictures.
A “report” section in “Documents” has been added. Please feel free to send the reports that you would like to appear here for everyone to be able to read it.
Also please send us any suggestions and ideas for this website.

Conferences

EMS 12-16 September 2011, Berlin
BLLAST experiment has been presented during the EMS conference in the ASI6 Session : “Atmospheric measurements from local to regional scale: The role of field experiments” (see Lothon et al, Beyrich et al, Martin et al in that session).
There were also several talks in the “Aviation Meteorology” session about the use of UAS for atmospheric research, mentioning the opportunity of BLLAST field experiment for testing new sensors, and the interest of UAS for boundary layer process studies (see Wildmann et al, Nicolls et al, in AM8 session).

AGU, 5-9 December 2011, San Francisco, California, USA
There will be 2 contributions about BLLAST (E. Pardyjak et al, D. Alexander et al) at the AGU annual meeting.

BLT conference, 8–13 July 2012, Boston, Massachusetts, USA
The 20th AMS Symposium on Boundary Layers and Turbulence will be held in Boston on 8-13 July 2012. The meeting coordinators anticipate and invite presentations and posters addressing -among other topics- :
“Morning and afternoon transitional behavior of the boundary layer”, and
“Recent field experiments“.
So we are all invited to actively participate to this BLT conference.
Abstracts are due 5 April 2012 (http://ams.confex.com/ams/)

Next Workshops

As previously mentioned, the next BLLAST workshop will be held in Firenze on 6-7 Februay 2011. It will be followed by a BLLATE 1-BLLATE 2 EUFAR meeting on 8 February.
Information about those meetings will be put on the web, and sent by email.