

# IGRGEA LETTER

International Geophysical Research Group /Europe-Africa  
 International Geophysical Research Group /Europe-Asia

## IGRGEA

At the end of the IEEY, in 1995, IGRGEA (International Geophysical Research Group Europe Africa) has been organized to follow the research work initiated during IEEY (International Equatorial Electrojet Year), in 1992. Since January 2003 IGRGEA is developing at the Institute of Geophysics in Hanoi.

## BURKINA FASO

A new GPS receiver in the SCINDA network (P I : K. GROVES) will be setup by F. OUATTARA at Koudougou, (Burkina F.)

## SCHOOL in EGYPT

The summer school on "**Space meteorology : Physics and tools as used**" was held at Helwan University from September 20 to October, 2, 2010



Site : <http://www.spaceweather-eg.org/sws>

About Thirty Egyptian students did participate. It included :

- GPS for ionospheric studies by *Rolland Fleury and Patrick Lassudrie-Duchesne (ENST-Bretagne)*.
- GPS for meteorology by *Olivier Bock LARENG/IGN*

- GPS for Geodesy and Tectonics by *Frederic Masson, IPG Strasbourg*.

- Solar Physics by *Luc Dame, LATMOS/France*

-Databases by *Mikhail ZHIZIN SAR, Russian Academy of Sciences*

The Internet network by *Les COTTRELL, Stanford University/USA*

- Computation grids : one day course organized by *Monique Petitdidier, LATMOS/France*

- Two lectures on the use of GPS for ionosphere and dynamic processes in Space meteorology were given by *Christine Amory-Mazaudier, LPP /Polytechnique/ UMPC/CNRS*.

## EGYPT : LUXOR - IAGA 3

The new IAGA 3 meeting will be held in Luxor from 19 to 23 March 2011.

Interested persons, register for inscription on :

<http://iswi.cu.edu.eg>

The theme will be : "*heliospheric Physics during and after a deep solar minimum*".

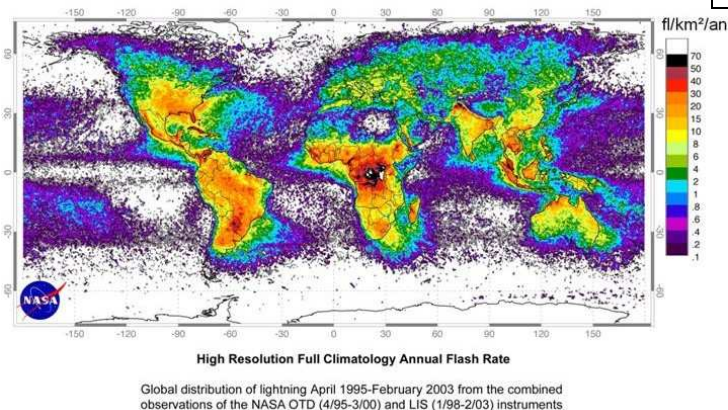
## FRANCE/ TRAINING

Amira Shimeis from "the Space Weather Monitoring Center", Helwan University, is actually in France for a period of 3 months at Laboratory of Plasma Physics, LPP. This training period is in the framework of her PhD. Amira works on the equatorial fountain in Africa, she is supervised by Dr Christine Amory-Mazaudier and financially supported by the French Foreign Agency.

## TOWARDS SITES IN CENTRAL AFRICA

Serge Soula from OMP aerology laboratory is looking for ground sites in Central Africa, adapted to observations of the transitory lights

associated with storm strikes (TLEs).



## ISWI LETTER

To receive the ISWI Letter :

- 1) Connect to the ISWI website  
[www.iswi-secretariat.org](http://www.iswi-secretariat.org)
- 2) Click on publications



This map shows the regions with a high level of TLEs. You can contact Serge Soula: Laboratoire d'Aérodynamique, OMP, 14 Avenue Edouard Belin, 31400 Toulouse, France.

[Serge.soula@aero.obs-mip.fr](mailto:Serge.soula@aero.obs-mip.fr)

## DVD "SPACE WEATHER"

The new DVD on "Space Weather" is available. By means of about 1000 movies and images on nearly 300 pages (including a dictionary) all scientifically relevant information about space weather and the forecast of solar storms are entertainingly and popular presented. Please read below the simple order description via email to :

[jansen@1A-FirstApplications.com](mailto:jansen@1A-FirstApplications.com) and delivery procedure: the DVD price is only 10 Euro to 15 Euro (or equivalent currency, the price depends on the number of ordered copies) and you will obtain the DVD within two weeks worldwide.

## PLANETARY WAVE PHENOMENA

Worldwide campaign of ionospheric sounding at equatorial latitudes.

Dates : December 15. 2010 to February 10. 2011.

This project has been mailed to 20 advanced Research Laboratories by Paul Vila.

The purpose of this experience is to investigate the dynamics of planetary waves (in particularly migrating modes)