

## **GRAPE MEETING – FRANCIS HOTEL, BATH (DURING BSS2013), 11 JULY 2013**

### **PARTICIPANTS**

PC : Pierre Cilliers – SANSA (SA)

JK: Joe Kinrade – UoB (UK)

AC: Anthea Coster – MIT (USA)

GDF: Giorgiana De Franceschi –INGV (ITA)

LS: Luca Spogli –INGV (ITA)

The following three points were discussed:

### **1. SCAR-OSC 2014 (AUCKLAND, NZ, 25-29/8/2014)**

[HTTP://WWW.SCAR2014.COM/PROGRAMME/2014-SCAR-OPEN-SCIENCE-CONFERENCE-SESSIONS/](http://www.scar2014.com/programme/2014-scar-open-science-conference-sessions/)

<b>Event</b>	<b>Date</b>
1st Circular available	15 June 2013
Abstract Submission Opens	01 October 2013
2nd Circular available	15 October 2013
Registration Opens	02 December 2013
Abstract Submission Closes	14 February 2014
Earlybird Registration Closes	05 May 2014

- GRAPE Business meeting to be organized
- GDF suggests everybody to ask our respective National SCAR representatives to support GRAPE EXPERT GROUP initiatives.
- scientific session proposal (Session 14) planned
- GDF will contact Phil Wilkinson and colleagues in Australia to announce that GRAPE will be at the next SCAR and hopefully will organize a dedicated scientific session
- AC will contact Allan Weatherwax to find out whether ICESTAR (or any other name it is known by) is an expert group and to ask him about organizing a joint GRAPE-ICESTAR session at SCAR-OSC 2014.

GRAPE \_ SCAR funds (2013) will be used to support the participation of young scientists, with the requirement that they have to submit a paper. We must be ready with funds rules by SCAR when

the “call for papers” will be opened. GDF will check what funds are available for this support, and will have the announcement ready for circulation before the abstract submission opening.

## **2. NEXT PAPERS AND COLLABORATIONS**

JK will lead a possible paper concerning tomography over Antarctica and scintillation: South Pole data, DMC data, BTN data and SANAE data. AC will send a sample of her data, allowing us to become familiar with the data format. The Institutions to be involved in this work and paper: UoB, SANSA, INGV, MIT, INPE. JK suggests that IMF studies could be done using the OMNI service and they use GOES to validate the IMF data to the magnetopause.

At this time, JK can not ensure his participation in GRAPE after April 2014

PC explained that Charles Carrano/Boston College has software to solve the firmware problem of GISTM (December 2012) and also to recover full information from apparently lost data; MIT can also help with recovering lost information.

GDF is interested in investigating who is able to support a study in Antarctica about sudden stratospheric warming (SSW) and scintillation. PC suggests to contact his colleague MBATHA concerning SSW. GDF suggests also to contact the INGV colleague Giovanni Muscari concerning SSW (he is expert of tropospheric water vapor content). Larisa Goncharenko from MIT should also be contacted.

Gary Bust will try to get some funds from the NSF to support the formation of a working group dealing with plasma drift measurements at high latitude.

## **3. GRAPE ENLARGEMENT**

AC will ask Larisa Goncharenko about the opportunity in Switzerland to create a working group concerning SSW and Scintillation studies in Antarctica.

AC will contact Japanese colleagues (GPS experts) and also SuperDARN groups from US and China and ask them to become involved in GRAPE activities.

AC suggested that we also contact Kjellmar Oksavik, because he has recently installed 5 GPS-GLONASS receivers in Arctic: we should invite him into the Grape community.