

**IAGA WG V-OBS**  
**Business Meeting: Tuesday 25 August 2009 12:00**

**Agenda**

1. **Welcome and remarks from chair**
  - a. **IAGA Guide for compass calibration and compass swing bases**
  - b. **IAGA code applications**
  - c. **Health status of magnetic observatories**
2. **Report on Golden/ Boulder Workshop: J Love**
3. **INTERMAGNET: J Love**
4. **Report on Task Team: Mean Hourly Values: P Hejda**
5. **New gyromagnetic constant  $\gamma'$ : Po Gyo Park**
6. **Next workshop in China 2010: Dongmei Yang**
7. **Proposal for the 2012 workshop: M Catalan**
8. **Proposals for sessions and conveners – Melbourne (Australia) 2011 IUGG Meeting**
9. **Proposal for IAGA resolution**
10. **General**

**1. Welcome and remarks from chair**

Chair of the WG Pieter Kotze welcomed the participants and presented the program

**1.a IAGA Guide for compass calibration and compass swing bases**

IAGA Guide for compass calibrations and compass swing bases, authored by Louis Loubser (HMO) and Larry Newitt (Canada) has been placed on WG website:

[http://www.meteo.be/IAGA\\_WG\\_V.1](http://www.meteo.be/IAGA_WG_V.1)

**1.b IAGA code applications**

Pieter Kotze elaborated Guidelines on IAGA codes for magnetic observatories. The document is available on WG website

3 new observatories applied for IAGA Code:

- Gingin (GNG) - Australia
- Kupang (KPG, Pelabuhan (PLR) – Indonesia

**1.c Health status of magnetic observatories**

Denmark/Greenland observatories threatened in their existence were saved thanks to the Space Institute of the Danish Technical University, which takes over responsibility of them.

**2. Report on Golden/ Boulder Workshop**

Jeffrey Love informed about the status of the workshop proceedings. All contributions have been already reviewed, and the manuscript has been submitted to USGS for publishing. Exact date of the issue is not known.

**3. INTERMAGNET**

Jeffrey Love informed that the INTERMAGNET Meeting will be held next week. One of the key issues will be the standard for 1-sec data.

**4. Report on Task Team: Mean Hourly Values**

Pavel Hejda reminded that the basic contribution to this issue had been presented during the Session V\_02 on Monday morning. The work of the Task force will continue until the next Observatory Workshop (see below). The subject is partly related to the recent effort on metadata standard

initiated by WDC's Edinburgh, Boulder and Kyoto. Pavel Hejda asked the participants of the WG meeting for their comments and suggestions.

### **5. New gyromagnetic constant $\gamma_p'$ :**

Po Gyu Park (Korea Research Institute of Standards and Science - KRISS) informed that CODATA (the ICSU Commission on Data) New  $\gamma_p' = 2.675153362 \cdot 10^8 \text{ T}^{-1}\text{s}^{-1}$  CODATA 2006 set in 2006 a new gyromagnetic constant  $\gamma_p' = 2.675153362 \cdot 10^8 \text{ T}^{-1}\text{s}^{-1}$ . It differs slightly from the former constant  $\gamma_p' = 2.67515255 \cdot 10^8 \text{ T}^{-1}\text{s}^{-1}$  set by CODATA in 1986 and adopted by IUGG in 1991. WG recommends adopting the new constant as IUGG standard. As the difference represents for total geomagnetic field (50 000 nT) only about 15 pT, this will not cause any discontinuity in data series.

### **6. Next workshop in China 2010:**

Dongmei Yang informed about the preparation of the next Observatory Workshop. The workshop will take place in Changchun (NE China) in mid September 2010. The conference part of the workshop will be held in an already selected hotel on the outskirts of the city centre. It is supposed that all participants will be accommodated there as well. The observatory is sufficiently equipped for the comparison measurements.

Web pages are now ready and will be made accessible very soon.

### **7. Proposal for the 2012 workshop**

Manuel Catalan presented invitation of the Royal Naval Observatory. The practical part will take place at San Fernando Geomagnetic observatory (located now at La Barca de la Florida village) and conference part in Bahia Sur Hotel in San Fernando. Proposed date: June 2012.

The proposal met with a common approval.

### **8. Proposals for sessions and conveners – Melbourne (Australia) 2011 IUGG Meeting**

Metadata requirements for data stewardship in geophysical research and operations: Don Herzog, Tony Hurst (1/2 day)

Geomagnetic field secular variation as derived from observatory and satellite measurements: Aude Chambodut & ? (1 day)

Geomagnetic observatories, their instrumentation and management: Hans-Joachim Linthe, Manuel Catalan (1/2 day)

### **9. Proposal for IAGA resolution**

Three proposals have been submitted:

- support of magnetic observatories by national funding agencies
- appeal toward observatories for making available quasi-definitive data
- A recommendation for acceptance of new CODATA gyromagnetic constant

### **10. General**

No other contribution

Pieter Kotze thanked the participants for their active involvement.

32 participants