### **Business Meeting WG V-DAT**

Tue, 27 August 2013, 12:30 – 13:30, Room "Merida", Fiesta Americano, Merida, Mexico

1) Status of IAGA indices

Kp (J. Linthe, GFZ)
am, aa ( A. Chambodut, ISGI)
AE. Dst (M. Nose. Kvoto Un)

Kp is in a good health



am and aa are in good health

ISGI computers were moved to the new LATMOS site

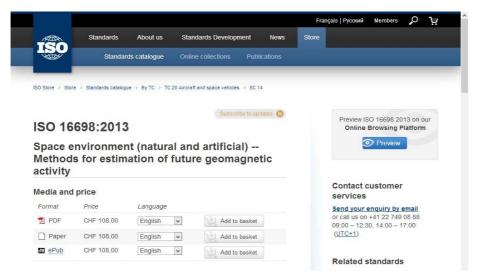
**Dst** is in good health **AE** is now calculated using 12 auroral stations

The near- real time and archived data are freely available – all indices

## 2) ISO document regarding the geomagnetic indices (M. Nose, Kyoto Un)



The document can be downloaded from: http://www.iso.org/iso/catalogue\_detail.htm?csnumber=57451



- 3) Referencing of geomagnetic data products the challenge of getting better recognition for data production (M. Korte, GFZ)
- Need of measurable output indicators like number of publications and in particular citations
- Possibilities of **referencing geomagnetic data products by DOI** (Digital Object Identifiers)

Prompt response from the community and lively discussion show that the problem is important



### 4) Report on the status of Polar cap (PC) index

- i) Presentation of the joint proposal
- (J. Matzka, DTU, and O. Troshichev, AARI)
- ii) Report by TF for the Endorsement of PC as an IAGA index
- (H. McCreadie, UKZN)
- iii) Discussion
- iv) Vote for "the PC index satisfy Criteria for IAGA endorsement of indices"

In 2010, the WG-DAT elaborated the document "Index Criteria for endorsement of indices by IAGA" (IAGA website, section Products and Services).

In 2011 in Melbourne, the Task Force was appointed for the Endorsement of the Polar cap (PC) index as an IAGA index.

The 2 members of the PC family (PCN) and (PCS) are calculated using respectively the Northern Polar Cap data (obs. Thule, operated by DTU) and the Southern Polar Cap (obs. Vostok, operated by AARI).

Substantial progress for the PC index calculation has been made

Presentation of the joint proposal

(J. Matzka, DTU, and O. Troshichev, AARI)
Report by TF for the Endorsement of PC as an IAGA index
(H. McCreadie, UKZN)

#### The TF

## established that the index in its present form satisfies the Criteria and

### recommends endorsement of the PC index

with the subject to AARI installing an automated system for data access accounting to make the data immediately freely available

# Thanks for the DTU and AARI staff involved and the TF members for their efforts!

### 5) Proposal for resolution (PC index)

IAGA.

**noting** that the polar cap magnetic activity is a geophysical quantity not already described by existing IAGA indices,

**considering** that the polar cap (PC) index may serve as a proxy for energy that enters into the magnetosphere during solar wind – magnetosphere coupling,

**recognizing** that the contribution will come from the Arctic and Antarctic Research Institute (AARI) (Russian Federation) and the National Space Institute, Technical University of Denmark (DTU)

**emphasizing** that the usefulness of such an index is dependent on having a continuous data series.

**recommends** the provision of the PC index to the international scientific community in near-real time and definitive forms

**and urges** that all possible effort be made to maintain continuous operation of the geomagnetic observatories contributing to this index.

### 6) Suggestions for IAGA 2013 Sessions

Geomagnetic diagnosis of the Sun and the near-Earth space

Convenors: ...
Division V, III, IV

7) Any other business (submitted but not discussed because time was up)
INTERMAGNET: 1-sec values are available
New brochure on the geomagnetic indices is available from ISGI