

IAGA Working Group V-DAT Business Meeting 3rd July 2007, Dept. of Mathematics, room I-2, Perugia, 12:40-13:55

35 present

1. IAGA Index Status & Other Reports:

PC Index and current status (Stauning)

PCN and PCS have been recomputed to bring out a unifying PC index which is available in near real time at the DMI website. Papitashvili added that in general, any new index should be reviewed before they are accepted.

IAGA guide on indices (H McCreadie: Indices)

H McCreadie and Charlie Barton have a publication on this due shortly.

HJ Linthe (GFZ, Potsdam: Kp,Ap,Cp,QD)

For Kp 75 years of data used in Potsdam. Information on the definitive data available on their website.

Nose (Kyoto: AE,Dst,QL-Dst,QL-AE)

Nose, gave an update on the status of the DST and AE index, Kyoto. Everything is currently OK with the data provision, however only 8-10 stations data are used in the derivation of the provisional AE index. Digital data are available on the Kyoto web-site.

M Menvielle (ISGI: am, aa)

The index production is OK however the Observatories do not send the provisional data on time.

Data Rescue reports (M. Rajaram, IIG)

From the grants received from ICSU for 'Rescue of old analogue Magnetograms' high-resolution digital camera -Nikon coolpix 5700 along with desktop Pc was purchased for WDC, Mumbai. Old magnetograms of Colaba –Alibag (1901-1920) were retrieved by digital imaging. NGRI used the funds for part payment for a work-station / server; ten years magnetograms for Hyderabad observatory, and a limited number of charts of quick-run magnetograms of magnetic pulsation data were archived.

V-DAT web site (S MacLean)

V-DAT website is ready, active and is operating OK (at NGDC). Some visitor statistics were presented. The data exchange data format is yet to be decided. S MacLean made a request to abolish the task forces (as listed on website front page). This was agreed.

2. Discussion Items:

Sudden Commencement definition and classification

J J Curto described the current methods of SC categorisation and stated that as SSC and SI are of same origin, they maybe classified based on whether they are followed by a storm or not. In open discussion it was agreed that for two years the old and new index may be computed before it can be accepted. This will allow users to understand changes and impacts.

3. Election of new officers

- V-DAT Chair: Dr Mita Rajaram (Indian Institute of Geomagnetism)
- Joint V-DAT Vice-Chair: Dr Renata Lukianova (AARI, St Petersburg), Dr Luis Jaya-Pique (IPGP, Paris). Joint chair, in view of expanded responsibilities for website and task force organisation.
- Nominated Division V co-chair: Dr Alan Thomson (BGS)

4. Resolutions

IUGG,
recognising
the importance of long time series of Earth Science data supporting global change studies and the objective of the International Year,
appreciates
the support given by ICSU to recent efforts for rescue of valuable historical data, and,
urges
that similar rescue and data retrieval activities be supported by relevant agencies
.

5. IAGA2009 Sessions

- a. “Connecting Space and ground based magnetic data for scientific benefit”
Themes: commonality in data availability, maintenance, archiving, re-calibration; scientific insights from combined ground and space geomagnetic data; lessons for the future. The first half of a full day session joint with V-Mod.
Convener: Chris Finlay, Alan Thomson.
- b. “Application, History and evolution of geomagnetic indices”
Themes: space weather developments/needs; so-called “problems” with existing indices, revealed by scientific studies; new technologies and capabilities (e.g. real-time).
Convener: M. Menvielle,
Co-Convener: Nandini Nagarajan, Kalevi Mursula
- c. “Tectonic interpretation of satellite, air-borne, ground and marine geomagnetic data”
Themes: WDMAM, prospects for new insights from SWARM, end of decade of geopotential research.
Convener: Hemant,
Co-convener: Isabel Blanco-Montenegro, D. Ravat
- d. “IAGA Division V: Reporter Reviews”
Convener: Alan Thomson

6. Comments on 'problems' with the *aa* index.

Ellen Clarke, BGS

There is a real signal in the long-term *aa* data, related to solar activity that is not yet fully understood. Some changes are related to known Observatory operations. Is it enough to make sure users know of any discontinuities or should an official IAGA sanctioned correction be

made? A valuable tool for long-term studies is in danger of being ignored due to mis-reporting of these (so-called) problems.

7. Any Other Business

None as time had expired.