

SUMMARY OF THE DISCUSSION ON

“The status of the implementation of the IAU 2000 resolutions and the proposals of the IAU working group on Nomenclature for Fundamental Astronomy”

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This discussion took place after Session 2.2 entitled “Implementation of the IAU Resolutions and new nomenclature” chaired by J. Vondrák (see the Table of contents). A few points were introduced by N.Capitaine and J. Vondrák and were submitted to the audience for comments and discussion. The discussion on these points is summarized below.

(1) The status of the implementation of the IAU 2000 resolutions in data reduction

The progress with implementing the IAU 2000 Resolutions in the reduction of VLBI and GPS data was discussed. Information was provided about the consideration of the issue within the International VLBI Service for Geodesy and Astrometry (IVS) and the International GNSS Service (IGS). A number of software projects for reducing the data were reported to be in the process of being updated accordingly (mainly based on the IERS Conventions 2003 and SOFA software packages).

(2) The status of the implementation in the astronomical almanacs

Additionally to the progress that was reported in Session 2.2 about the implementation of the IAU 2000 resolutions and new nomenclature in *The Astronomical Almanac* (by USNO/HMNAO) and in the *Astronomical Almanac* of Institute of Geodesy and Cartography (Warsaw, Poland), information was provided by a few participants about the future plan for other Almanacs, especially the Russian, Japanese and French Almanacs.

(3) The status of the WG of the American Astronomical Society on the IAU 2000 Resolutions

After the 2003 IAU General Assembly, some concern was expressed to the IAU and the IERS by the American Astronomical Society (AAS) about the impact of the IAU 2000 Resolutions on astronomers. A special session of the AAS was organized in June 2004 on “The Reference System Resolutions of the IAU” and a Working Group on “The IAU Reference Frame Resolutions” was created to look at the consequences of the recent IAU resolutions on reference systems for astronomers. The chair of that Working Group, J. Hilton (USNO), reported on the work and especially on the WG document in preparation that would provide all classes of astronomer with a sound introduction to the IAU 2000 resolutions. Moreover, a USNO Circular was prepared by G. Kaplan that would provide explanatory and implementation information concerning astronomical reference systems and the IAU resolutions.

(4) The update of the IERS Conventions

B. Luzum (USNO), co-responsible with G. Petit (BIPM) of the IERS Conventions Center, explained the plan for updating the IERS Conventions. A special page of the IERS Conventions web site at BIPM provides update of the IERS Conventions. It contains all corrections to the IERS Conventions (2003) that have been identified and a list of update changes since the last approved version. It must be considered as being a working version that is under development and is not definitive nor officially approved as a registered edition. Moreover a discussion forum has been established to receive, classify and archive comments and contributions on the update of the IERS Conventions. An update of the IERS Conventions is planned to take into account the NFA recommendations on terminology and the IAU 2006 Resolutions.

(5) The new IAU rules for the adoption of IAU Resolutions

T. Fukushima, Division 1 President, explained the foreseen process for submitting and adopting new IAU Resolutions at the next General Assembly in August 2006. Resolution proposals are being prepared by the IAU Working Groups on "Precession and the Ecliptic" and on "Nomenclature for Fundamental Astronomy" in order to be submitted to the IAU before the IAU deadline (15 May 2006).

(6) Needs on nomenclature

Some points of the latest proposals of the IAU NFA Working Group on nomenclature that were presented during Session 2.2 were discussed. No additional need on nomenclature was identified; a few corrections were proposed to the wording of the NFA Resolution proposal.

(7) Versions of the NFA Glossary in other languages

The NFA IAU 2000 Glossary prepared by the NFA Working Group provides a set of detailed definitions (in English) that best explain all the terms required for implementing the IAU 2000 resolutions, including a few newly proposed terms. Those definitions will require translation into different languages. The NFA Working Group members will be able to translate the NFA Glossary into French. Some difficulties with translation to other languages were reported.