INTERNATIONAL ATOVS WORKING GROUP

Sharing ideas, plans and techniques to study the earth's weather using space-based observations

A Report on the Fourteenth International TOVS Study Conference

Beijing, China
25-31 May 2005

Photo by Dongfeng Luo

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NSMC
Met Office (U.K.)
Univ. of Wisconsin / SSEC
NOAA NESDIS
EUMETSAT
World Meteorological Organization
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FOREWORD

The International TOVS Working Group (ITWG) is convened as a sub group of the International Radiation Commission (IRC) of the International Association of Meteorology and Atmospheric Physics (IAMAP). The ITWG continues to organise International TOVS Study Conferences (ITSCs) which have met approximately every 18 months since 1983. Through this forum, operational and research users of TIROS Operational Vertical Sounder (TOVS), Advanced TOVS (ATOVS) and other atmospheric sounding data have exchanged information on data processing methods, derived products, and the impacts of radiances and inferred atmospheric temperature and moisture fields on numerical weather prediction (NWP) and climate studies.

The Fourteenth International TOVS Study Conference (ITSC-XIV) was hosted by the National Satellite Meteorological Center (NSMC) in Beijing, China from 25 to 31 May 2005. This conference report summarises the scientific exchanges and outcomes of the meeting. A companion document ***The Technical Proceedings of The Fourteenth International TOVS Study Conference*** contains the complete text of ITSC-XIV scientific presentations. The ITWG web site contains electronic versions of the conference presentations and publications (http://cimss.ssec.wisc.edu/itwg/). Together, these documents and web pages reflect the conduct of a highly successful meeting in Beijing. An active and mature community of TOVS and ATOVS data users now exists, and considerable progress and positive results were reported at ITSC-XIV in a number of areas, including many related to the ATOVS system and to the current and impending advanced sounding instruments.

ITSC-XIV was sponsored by industry, government agencies and research centers, including, VCS, CNES, Kongsberg Spacetec AS, the Raytheon Company, the Met Office (U.K.), the University of Wisconsin Space Science and Engineering Center, the World Meteorological Organization, EUMETSAT, and NOAA NESDIS. The support of these groups is gratefully acknowledged. We wish to thank the local organising committee from NSMC, particularly Director General Yang Jun, his international affairs leader, Dongfeng Luo, and Mr. Luo's excellent staff.

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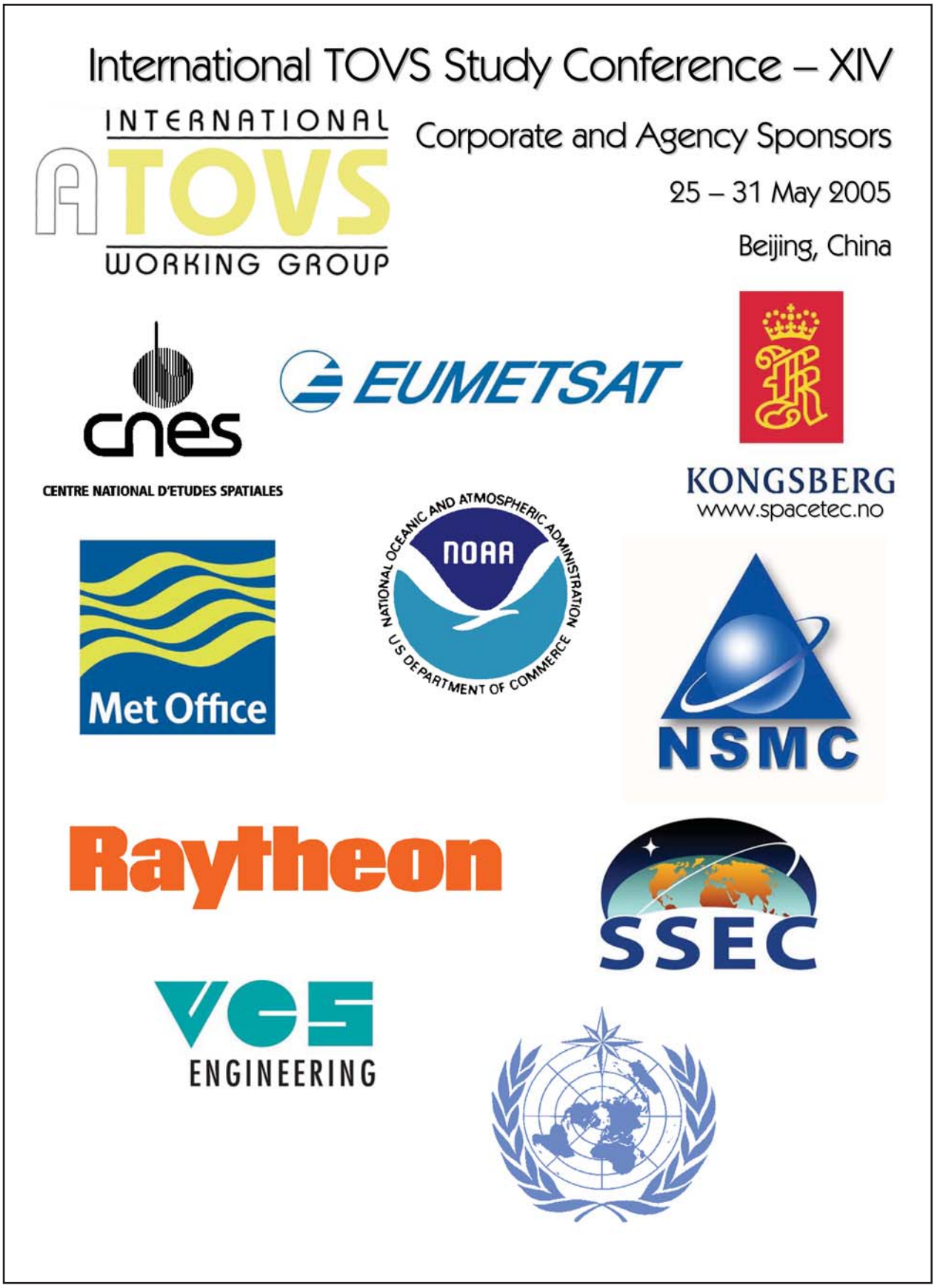

ITSC-XIV Poster

THE FOURTEENTH INTERNATIONAL
TOVS STUDY CONFERENCE (ITSC-XIV)
Beijing, China: 25-31 May 2005

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The 14th International TOVS Study Conference

第 14 届国际泰罗斯业务垂直探测研讨会

(25–31 May, Beijing, China)

ITSC-XIV Group Photo

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