

Preface

This volume of reports is the 2014 Annual Report of the International VLBI Service for Geodesy and Astrometry (IVS). The individual reports were contributed by VLBI groups in the international geodetic and astrometric community that constitute the permanent components of IVS.

The IVS 2014 Annual Report documents the work of the IVS components for the calendar year 2014, our sixteenth year of existence. The reports describe changes, activities, and progress of the IVS. Many thanks to all IVS components who contributed to this Annual Report.

With the exception of the first section, the contents of this Annual Report also appear on the IVS Web site at

<http://ivscc.gsfc.nasa.gov/publications/ar2014>

This book and the Web site are organized as follows:

- The first section contains general information about IVS, a map showing the locations of the components, information about the Directing Board members, and the annual report of the IVS Chair.
- The second section holds two special reports. The first report, “Foundation of the Asia-Oceania VLBI Group for Geodesy and Astrometry”, describes the progress towards establishing a new subgroup of the IVS, the Asia-Oceania VLBI Group (AOV), that will focus on the regional community of Asia-Oceania. Progress in 2014 has included development of Terms of Reference, election of a Chair and appointment of a Secretary, and a survey of regional resources, such as schedulers, antennas, correlators, and analysis centers. The group’s goal is to

begin the first Asia-Oceania VLBI network observations in early 2015. The activities of the AOV are expected to enhance the quality of Asia-Oceania data products and to contribute to the construction of Asia-Oceania reference frames. The establishment of the AOV is a necessary and exciting development not only for Asia-Oceania VLBI but also for the IVS. The second report, “VGOS Data Transmission and Correlation Plan”, discusses the transmission of data from IVS Network Stations to IVS Correlators and the correlation and fringe fitting of the data within the VLBI Global Observing System (VGOS). This report covers topics such as e-transfers and physical shipment of media, playback systems at the correlators, and correlator CPU and storage requirements. The report then assesses current and planned correlator resources and issues recommendations.

- The next seven sections hold the reports from the Coordinators and the reports from the IVS Permanent Components: Network Stations, Operation Centers, Correlators, Data Centers, Analysis Centers, and Technology Development Centers.
- The next section contains a compilation of publications in the field of geodetic and astrometric VLBI during 2014.
- The final section provides reference information about IVS. Following the current version of the IVS Terms of Reference, a reference table is provided with links to the IVS Member and Affiliated organizations, the IVS Associate Members, and the IVS permanent components.