

The Bonn Geodetic VLBI Operation Center

A. Nothnagel

Abstract

This report summarizes the activities of the GIUB VLBI Operation Center.

1. Center Activities

The GIUB VLBI Operation Center is located at the Geodetic Institute of the University of Bonn, Nussallee 17, D-53115 Bonn, Germany. In the past year the activities of the GIUB VLBI Operation Center were concentrated on the preparation and organization of three observing programs.



Figure 1. GIUB Operation Center

- **International Radio Interferometric Surveying - South (IRIS-S):**
12 Sessions per year with the stations Wettzell, HartRAO, Fortaleza, Fairbanks, Hobart, O'Higgins and Westford

- **Measurement of Vertical Crustal Motion in Europe by VLBI (EUROPE)**
6 sessions in 1999 and 3 sessions in 2001 with the stations Ny-Ålesund, Onsala, Wettzell, Simeiz, Madrid (DSS65), Yebes, Medicina, Matera and Noto. Effelsberg participated once per year.
- **Continuous Observations of the Rotation of the Earth (CORE-OHIG):**
with stations HartRAO, O'Higgins, Fortaleza, Hobart, Kokee and DSS45 plus the Japanese Antarctic station Syowa

The operational tasks mainly consisted of preparing the detailed observing schedules for all sessions listed above. The schedules were prepared with the SKED software on HP-UX platforms. The work also involved sending around of tapes, communication with stations, fault analysis, and arrangements for special sessions and testing schemes. Arno Müskens has taken care of the IRIS-S and the CORE-OHIG sessions while Axel Nothnagel was responsible for the EUROPE project.