

Current activities at the IGN/JPL DORIS data analysis center

P. Willis (Pascal.R.Willis@jpl.nasa.gov) (1)(2), Y. Bar-Sever (Yoaz.E.Bar-Sever@jpl.nasa.gov),
W. Bertiger (William.I.Bertiger@jpl.nasa.gov) (2), B. Haines (Bruce.J.Haines@jpl.nasa.gov) (2),
D. Kuang (Da.Kuang@jpl.nasa.gov) (2), R. Muellerschoen (Ronald.J.Muellerschoen@jpl.nasa.gov) (2)

- (1) Institut Geographique National, Direction Technique, 2, Avenue Pasteur, BP 68, 94160 Saint-Mande, France, FAX: 33-(0)1-4398-8171
- (2) Jet Propulsion Laboratory, MS 238-600, 4800 Oak Grove Drive, Pasadena, CA 91109, USA, FAX: 1-818-393-4965

In 2001, IGN and JPL decided to join efforts in order to develop a more operational DORIS data analysis center for research activities, using the JPL Gipsy-Oasis II software. The goal of this paper is to present the current activities of this Analysis Center and to describe the Center's scientific products that are currently available at CDDIS (for the period 1992 to 2001).

At present, DORIS data from all satellites available at CDDIS are processed on a daily basis using a multi-satellite processing strategy. Scientific products presently include precise orbits, ground station parameters (daily, weekly, or monthly), geocenter variations, and Earth orientation parameters. We will present the accuracy of these products by showing results of several types of tests: orbit overlap comparisons, characterization of station-coordinate and geocenter repeatability, and comparisons with results from external sources.

Finally, future products and plans of evolution will be presented.