

## **SAAPS - Spacecraft Anomaly Analysis and Prediction System**

P. Wintoft and L. Eliasson  
Swedish Institute of Space Physics

As part of the two-year ESA Contract 11974/96/NL/JG(SC) on satellite anomalies a software package called Spacecraft Anomaly Analysis and Prediction System (SAAPS) was developed. The system collects real-time data over the internet and stores them a database. SAAPS can be accessed through a web browser using Java Applets that allow for dynamic interaction. The analysis module lets the user plot the data and perform statistical analysis. The prediction module contains models to make real-time forecasts of anomaly events for a few selected spacecraft. The user can also provide a set of events to find the prediction model that best matches their data. SAAPS is available at <http://www.lund.irf.se/saaps/> .