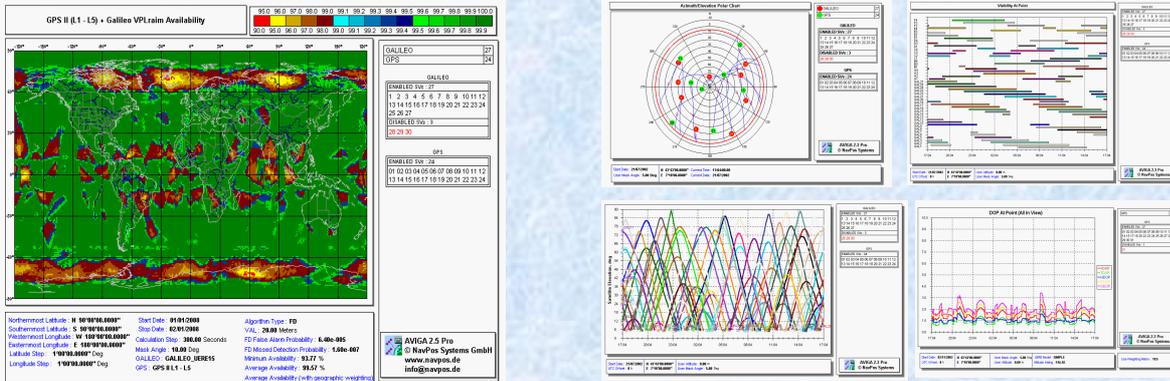# AVIGA® - Service Volume Simulator
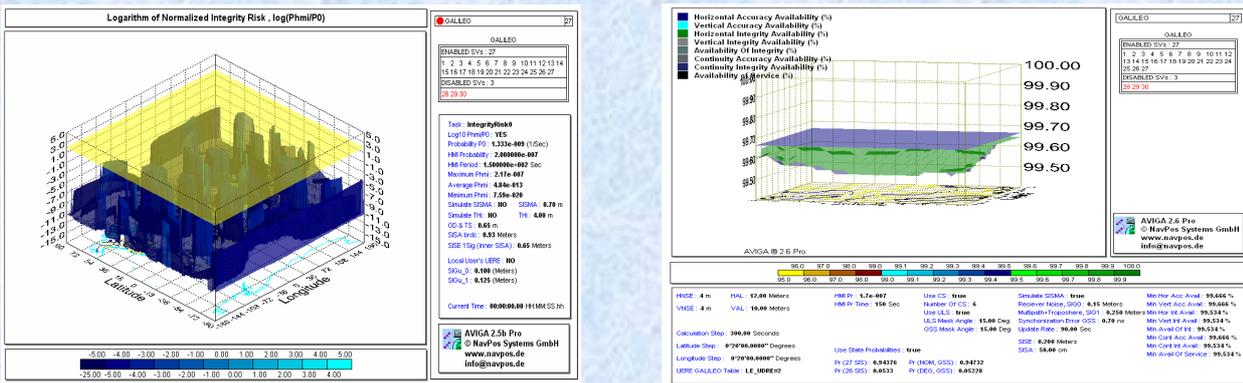
(Accuracy Visibility Integrity Geometry Availability)

for Satellite Navigation Systems
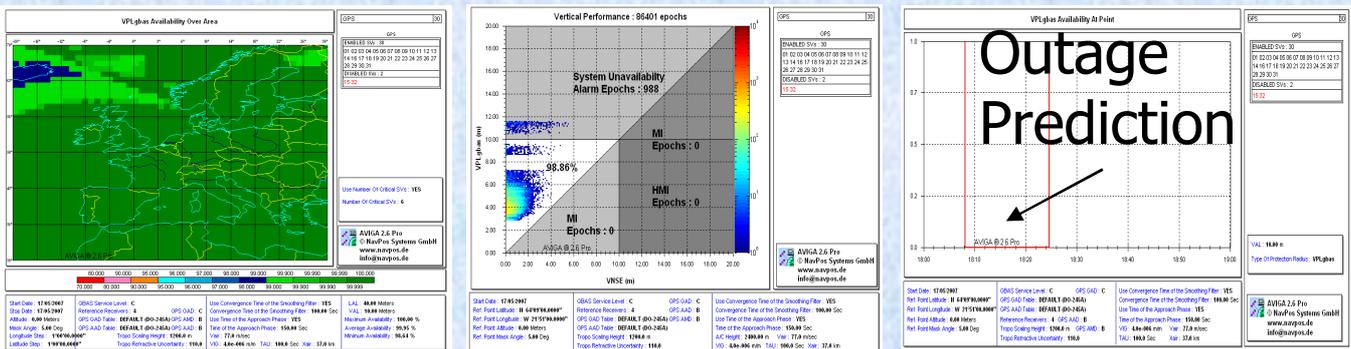
● Satellite Visibility, Geometry, RAIM, Availability

● Galileo Integrity Risk and Service Availability Analysis

● GBAS and Galileo Local Elements

Outage Prediction

● System Features

- User Friendly MMI
- PC based (Win 2000/XP)
- Embedded Graphics
- No Third Party License needed
- Extensive Verification of Software and Results

AVIGA® - Service Volume Simulator

Performance Analysis Tool for GPS, GLONASS and Galileo Satellite Navigation Systems and their GBAS, SBAS Augmentation Systems

AVIGA® Features

GNSS Performance Prediction and Evaluation at User Level

- **Satellite Trajectory computation based on Almanac, SP3 and RINEX Navigation Ephemeris data**
- **Satellite Visibility**
- **Satellite Geometry**
- **Satellite Availability optionally considering Outage Characteristics (satellite manoeuvres, failures).**
- **Availability of Integrity (RAIM and SBAS Protection Level Analysis, RAIM and SBAS Availability of Protection Level, Outage Analysis)**
- **En-Route Visibility, DOP and RAIM, xNSE, xPL Availability**

GALILEO

- **Galileo Integrity Risk and associated Protection Level**
- **Service Availability based on Galileo Integrity Risk Concept**

GBAS & Galileo Local Elements

- **GBAS Predicted Protection Levels and Accuracy**
- **Galileo LE Predicted Protection Levels and Accuracy**

Contact:

NavPos Systems GmbH

In Oberwiesen 16

88682 Salem

Germany

Tel.: +49-7553-9180-450

e-mail: info@navpos.de

NavPos Systems

Your Partner in Satellite Navigation

www.navpos.de