EVORA
Real Time GNSS Performance Monitoring Tool

EVORA is a real-time GNSS performance analysis tool developed for European Space Agency in cooperation with Thales Alenia Space France, with true real-time world-wide analysis of all current satellite navigation systems (GPS, Galileo, GLONASS, Beidou, EGNOS, WAAS, MSAS, GAGAN and QZSS).

Unlike other solutions for this purpose, EVORA provides a multi-access computation server and HTTP/Java-applet based clients, which can connect to receive accurate insight into current RNAV status anywhere in the world (via NTRIP/IGS) or using your on-site infrastructure and GNSS receivers.

Whether you want to understand instantaneous performance at your location, or on the other side of the world, EVORA provides all relevant performance indicators via user-friendly client running in web browser with only the latency of Internet. Gaining access to computed real-time data is possible from your lab, office or home. Or at all three simultaneously, connected to one computational server.

To improve utility of the computed performance indicators, there is also an event-loop subsystem, capable of generating notification (e.g. email) triggered by a long list of predefined, as well custom made, events—such as HMI/MI, SBAS alarms, availability and continuity events and so on.

EVORA is also capable of automatic compilation of GNSS performance reports (daily, monthly and yearly).

Trials are currently running at ESSP, TAS-F, CNES and ASECNA in Africa.

FEATURES HIGHLIGHT

True Real-Time Performance Information (1Hz refresh)
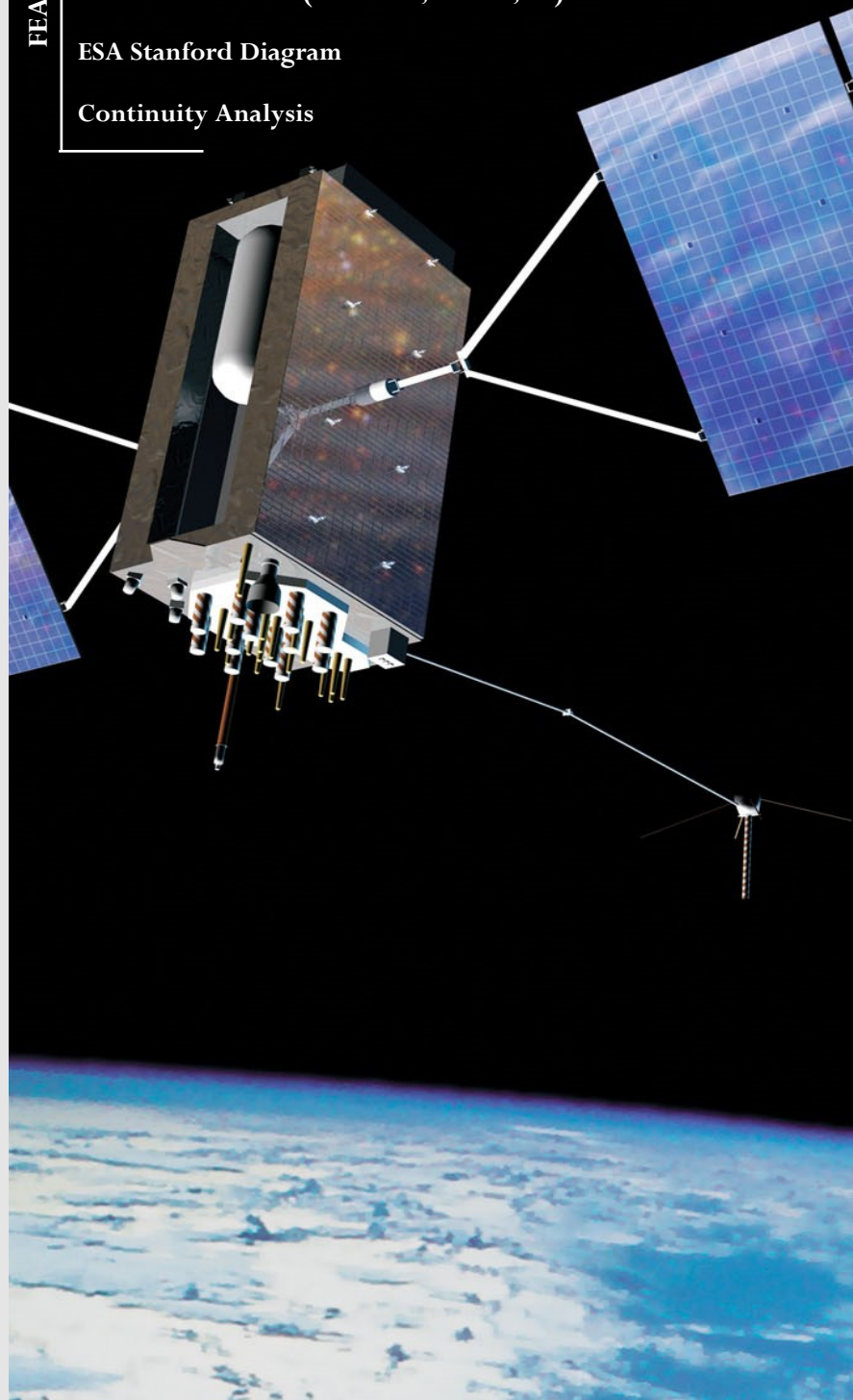
Multi-constellation Multi-Frequency Support

Availability, Accuracy and Protection Level Assessment

Fast ARAIM (MHSS), implemented in C++
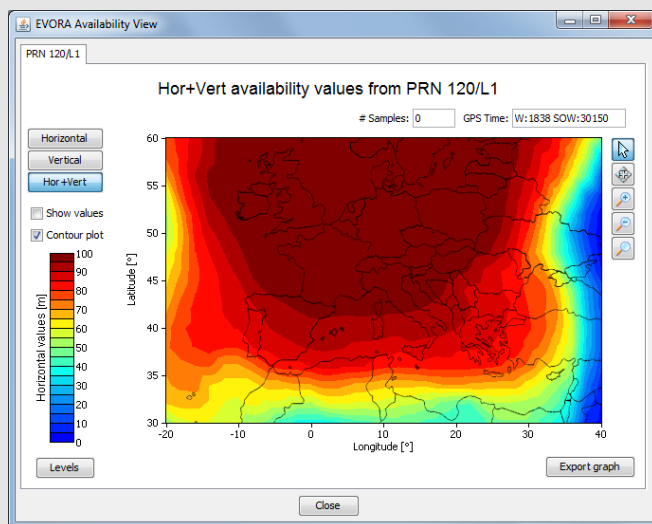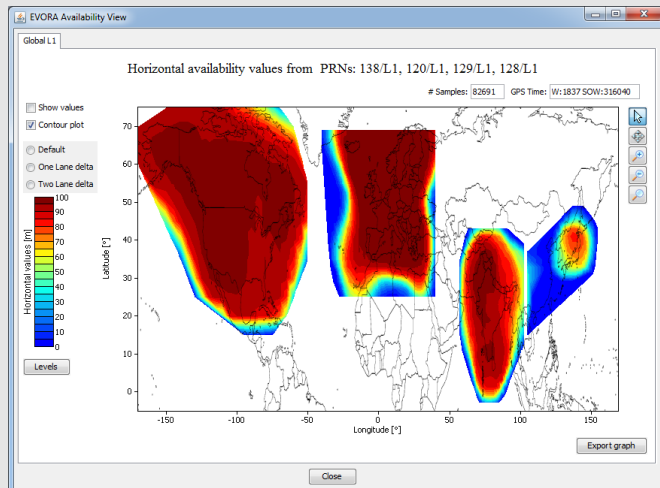
Event Notification (MI/HMI, alarms, …)

ESA Stanford Diagram

Continuity Analysis

IGUASSU SOFTWARE SYSTEMS

EVORA
Real Time GNSS Performance Monitoring Tool

GNSS Data Input from NTRIP, SISNeT, SPEED and EDAS

Instant overview of performance of all connected receivers, as well as global view of predefined geographical areas (ECAC, CONUS, whole world), at refresh rates up to 1Hz

Positioning Solutions (multi-frequency)

Protection Levels

Availability

Continuity

ARAIM (MHSS C++)

Automated Event Notification (MI/HMI, alarms)

Automated HTML Report Generation (hourly, daily, monthly, yearly)

Archive of data products in CSV, easy to reprocess and reuse

Multiplatform (Java), user friendly, attractive and performance oriented plotting

DAL E qualified software, continuously being developed, improved and maintained

Please, feel free to contact us for a **remote access to a trial** version at
evora@iguassu.cz

IGUASSU SOFTWARE SYSTEMS

Phone: +420 2 35 35 1000
E-mail: mailus@iguassu.cz
www.iguassu.cz

Evropska 120
Prague
160 00

IGUASSU SOFTWARE SYSTEMS