ANUBIS

Tool for monitoring and manipulating multi-GNSS observation and navigation data

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Anubis Introduction

Anubis is next application derived from G-Nut software library developing at Geodetic observatory Pecny.

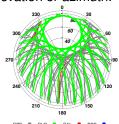
Main purposes are:

- Editing, splicing, cutting and quality check of Rinex observation and navigation data (Rinex version 2.xx and 3.xx is supported)
- Comparing Rinex body with header information
- Monitoring observation types and bands number
- Skyplot generation
- Preprocessing(data cleaning, cycle slips and receiver clock jump detection etc.)

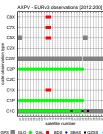
Output examples

All results and outputs are stored into our preliminary internal text format which is separated into sections. Each kind of information in the sections is defined by a key to be easily searched and plotted.

If navigation data is available it is used for calculation position dependent quantities such as elevation or azimuth.

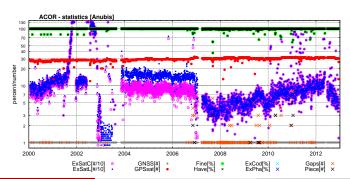


Anubis compares Rinex body with header information.



Output examples Long-term data monitoring

Observation quality and quantity characteristics could also be plotted in time-series. The figure shows initial example of selected quality indicators, such as number of excluded phase or code observations for satellites (due to less than two frequencies), number of GNSS systems and satellites, numbert of gaps, small data pieces, etc..



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Further information at poster session