

Tour de l'IGS - 3rd Stop: GNSS processing based on IGS products

The International GNSS Service (IGS) has started in irregular order to organize virtual mini workshops on dedicated topics under the title «Tour de l'IGS». At a first stop on June 2, 2021, the results from the third reprocessing of the IGS were presented and discussed. The second stop took place on September 1, 2021, under the topic “infrastructure”.

The third stop with the title “GNSS processing of GNSS data by using IGS products” was scheduled for February 17, 2022. The program was essentially arranged by Prof. Dr. Rolf Dach and Dr. Arturo Villiger from the Astronomical Institute of the University of Bern (AIUB). The goal was to convey somewhat more background knowledge even to less experienced users about which IGS products are available for their (particularly geometry oriented) applications, and what has thereby to be taken into account.

The program was designed for the relevant aspects concerned with the application of IGS products:

- Rolf Dach (AIUB): Introduction to observation equations and processing strategies
- Tom Herring (MIT): Overview on available IGS products
- Sonia Costa (SIRGAS): Applications of IGS products to SIRGAS
- Arturo Villiger (AIUB): Significance of antenna calibrations
- Michael Coleman (NRL) und Urs Hugentobler (TU München):
The use of clock corrections at PPP applications
- Stefan Schaer (swisstopo): Code and Phase Biases: Application for ambiguity resolutions
- Johannes Böhm (TU Wien): Modeling of the Troposphere

This event found big favor with the meanwhile almost 250 participants. The discussion confirmed the high interest in that topic.

The presentations and the following discussion were recorded and may be downloaded under <https://igs.org/tour-de-ligs-presentations#3rd-stop-presentations>

IGS INTERNATIONAL GNSS SERVICE

GNSS Network Solution

Satellite

14°

Earth surface

Not in scale!

R. Dach: Observation equations and analysis strategies
Tour de l'IGS 3rd Stop, 17. February 2022, online

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