Welcome to the

VieVS days 2019!

Sigrid Böhm

Vienna VLBI and Satellite Software

Vienna, October 15 – 17, 2019
Agenda

DI October 15, 9:00 - 17:00

Welcome + Introduction to VieVS (Sigrid Böhm)
Organizational issues
Single session analysis (Helene Wolf)
Multi session analysis (Sigrid Böhm)
Global solution with Vie_GLOB (global parameter adjustment) (Sigrid Böhm)
Intensives sessions (Johannes Böhm)

MI October 16, 9:00 - 17:00

Scheduling 24-hour session (Matthias Schartner)
Scheduling intensives
Monte-Carlo simulation
Scheduling astrometry

DO October 17, 9:00 - as required

VGOS sessions (Markus Mikschi)
Baseband simulator (Jakob Gruber)
Time for questions
What is VieVS?

- VieVS = Vienna VLBI and Satellite Software
- Since 2018 umbrella for all(!) software developments at Higher Geodesy
- VieVS VLBI Module: State of the art, geodetic VLBI data analysis software package
- Written in Matlab
- Since 2008 it is developed at the Department of Geodesy and Geoinformation (Research Area Higher Geodesy), TU Wien
- Close cooperation with former colleagues

- Current reference:
Who develops VieVS-VLBI?

- **members** of the VieVS group at the TU Wien and BEV:

- **former members** of the VLBI group at the TU Wien
- contributions from **external partners** from international universities worldwide
VieVS on the web

- VieVS Wiki: [http://vievswiki.geo.tuwien.ac.at](http://vievswiki.geo.tuwien.ac.at)

Get it from [GitHub](https://github.com/TUW-VieVS/)
- VieSchedpp
- VieSchedppGUI
- VLBI
- COMMON
- RADIATE

Refer to the Readme files!!

VieVS days 2019
VieVS on the web

- Vienna Center for VLBI: [https://www.vlbi.at](https://www.vlbi.at)

Vienna Center for VLBI

Vienna VLBI and Satellite Software (VieVS)

The Vienna VLBI and Satellite Software VieVS is being developed at TU Wien since 2000. Starting as a state-of-the-art VLBI analysis software package, VieVS was gradually updated with additional capabilities and modules. Today, all software developed at the GEO department at TU Wien is released under the VieVS umbrella. All VieVS modules are designed with a focus on interoperability in order to extend the functional range of VieVS.

Read the VieVS reference paper Bohm et al. (2018), T & A, Vol. 190, Nr. 956 [open access]

- VieVS channel on [YouTube](https://www.youtube.com)

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