



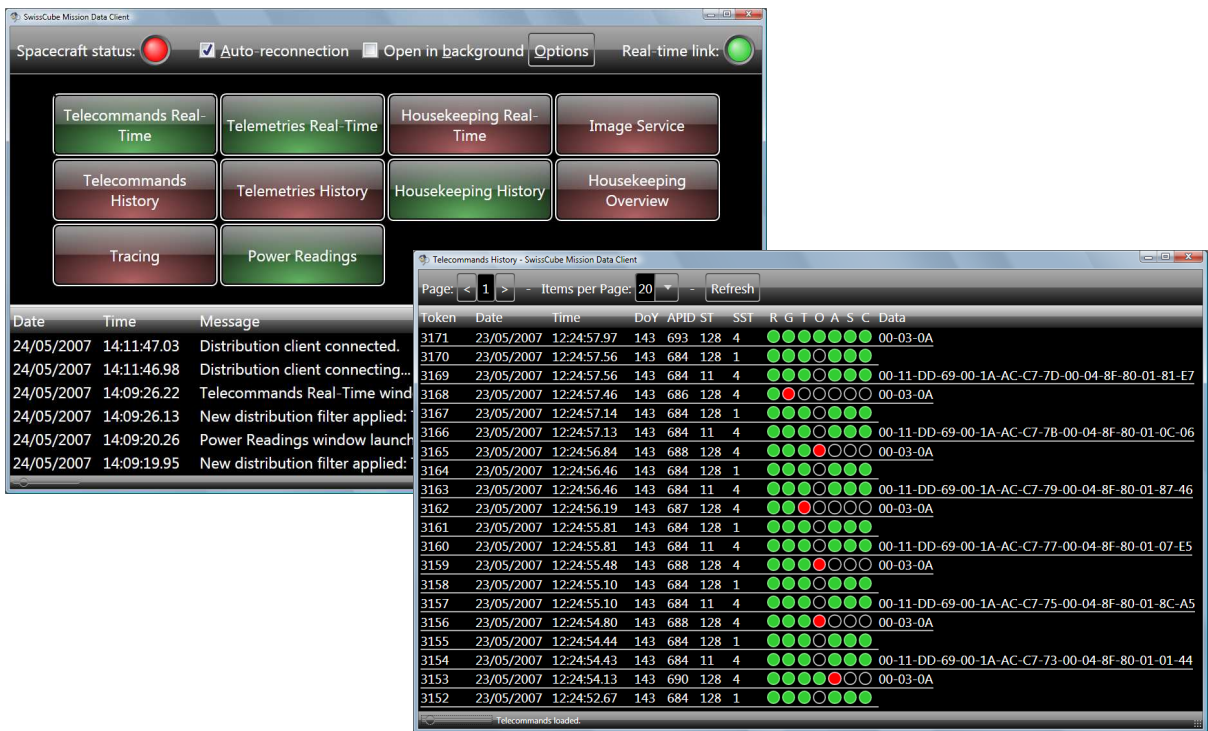
Interested, questions
 Send us an email to stephane.billeter@epfl.ch
 and scholz@vki.ac.be in cc

Data Format

- **KISS** for the interface with the ground stations¹
- UI Frames of the **AX.25 Link Access Protocol for Amateur Packet Radio**²
- **ECSS Telemetry and Telecommand Packet Utilization**³
 - Telecommand Verification
 - Housekeeping & Diagnostic Data Reporting
 - Function Management
 - Mission-specific Services

Clients

- **Mission Data Client:** graphical client for displaying housekeeping and payload data (alphanumeric displays, etc.)
- **Commanding Client:** application for commanding the spacecraft and controlling the ground segment using scripts
- **Extensibility:**
 - API for sending space and ground commands
 - API for retrieving data (live and historical)



Conclusions

Interfaces, installation and configuration are fully documented for an easy use of the software. The SCS can be used during your ground testing. By choosing the SCS, you will receive software which was already used and tested, which can work easily in a network of ground stations to optimise the communication with your Cubesat.

[1] <http://www.ka9q.net/papers/kiss.html>, http://en.wikipedia.org/wiki/KISS_%28TNC%29, http://en.wikipedia.org/wiki/AX.25#KISS-mode_framing

[2] <http://www.tapr.org/pdf/AX25.2.2.pdf>, <http://en.wikipedia.org/wiki/AX.25>

[3] Tailored ECSS-E-70-41A – Ground systems and operations – Telemetry and telecommand packet utilization.