

SciQLop

An overview for the non developers

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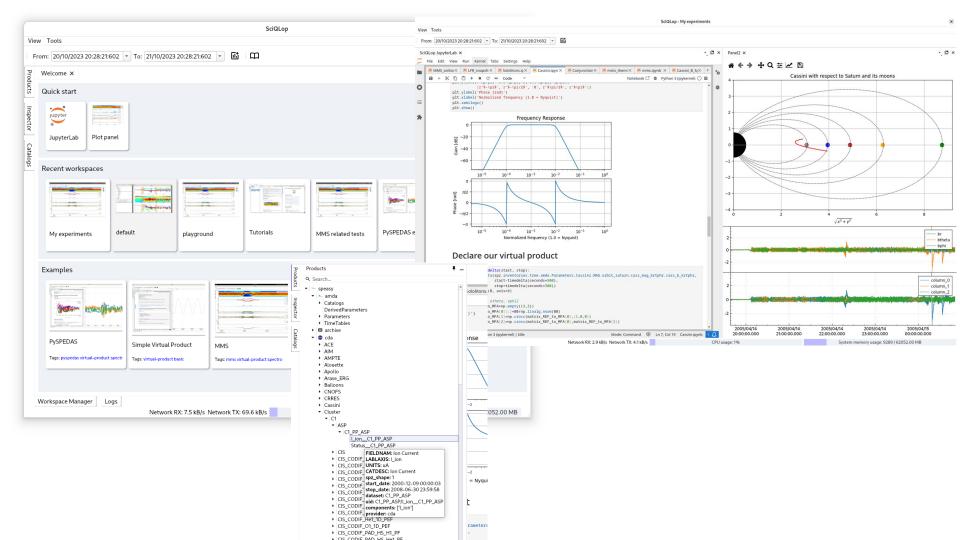


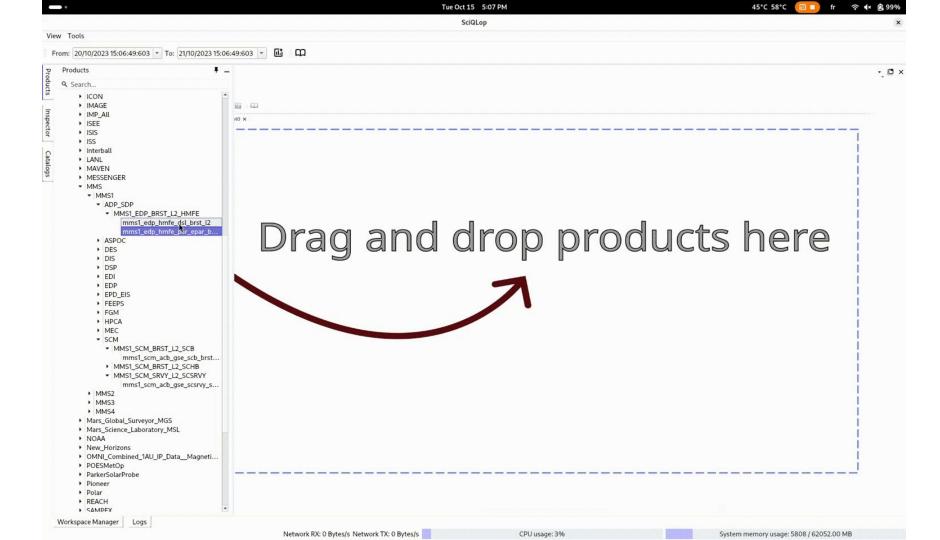




SciQLop brief description

- Cross platform desktop application
- C++/Python
- Fast (in-situ) time series visualisation tool
- An event catalog browsing and editing tool
- An highly customizable visualisation tool
 - Jupyterlab built-in
 - Workspaces to isolate specific studies
 - Plots any python function that takes a time range and returns a time serie



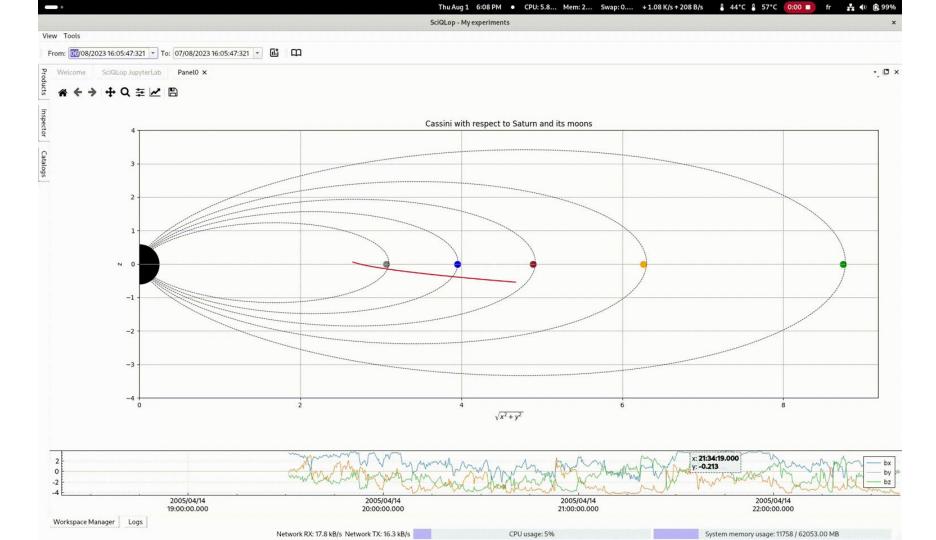


Plots python functions (**f**(*start*, *stop*)) so what?

As long as you can write some basic python code you can:

- Visualize any data from any file format from any source
- Visualize any computed quantity (remember Speasy slides)

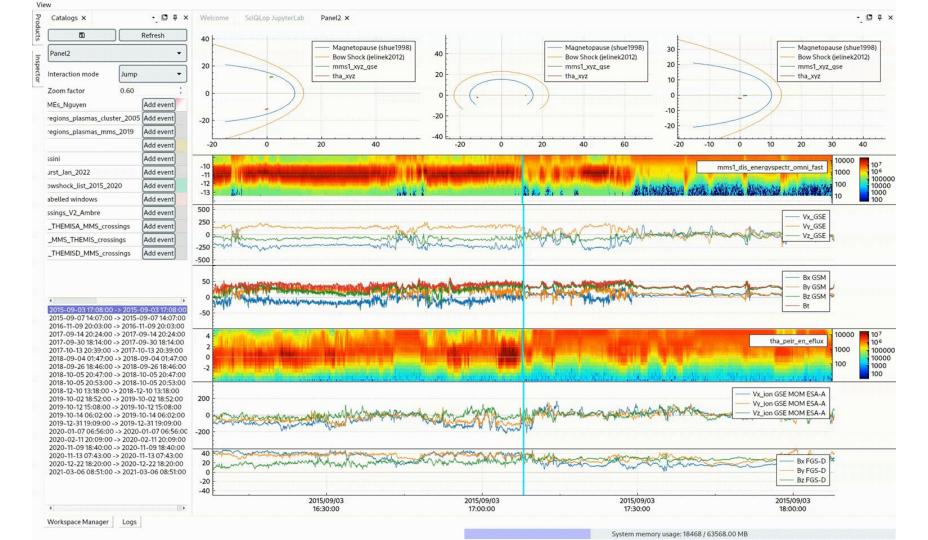
- Build complex data pipelines and visualize the output
- Setup a custom visualisation panel

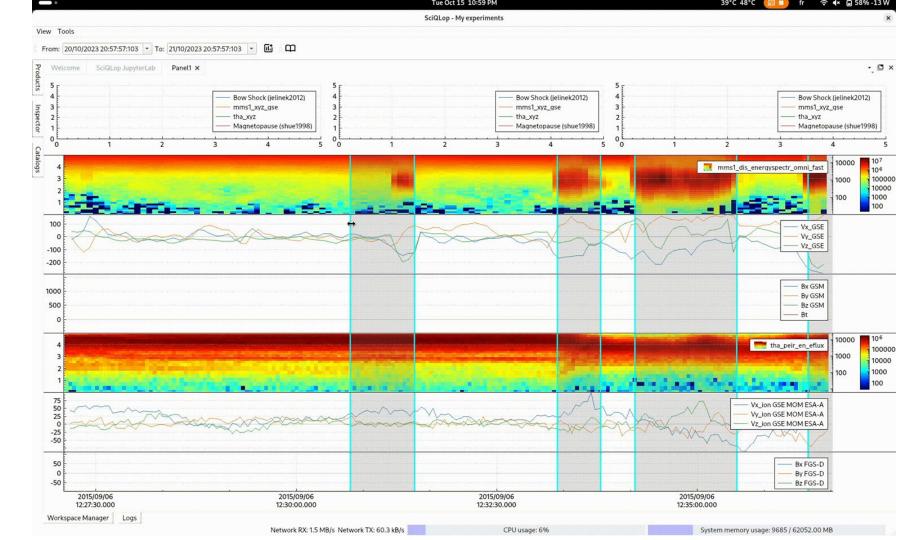


Catalogues visualisation and edition

SciQLop was developed to make possible large statistical studies which implies:

- Being able to quickly create a big enough test and train sets for ML algorithms
- Being able to quickly browse thousand of detected events
- Being able to quickly label manually enough data for the study if ML doesn't work
- Being able to share catalogues





First SciQLop workshop in 2024 (Workshlop!)

- Two days event with presentation and hands on
- 26 in person participants, interns, PHD students, Scientists and emeritus!
- Now SciQLop ships with tutorials
- A lot of feedbacks (big backlog)
- Request for new Workshlops

First SciQLop workshop in 2024 (Workshlop!)



SciQLop future

- Workshlop™ at next MMS community workshop in Paris
- Plugins and workspaces "app store" like interface
 - Grading system based on peer review
- A central collaboration tool for our community?
- Used to validate instrument calibration updates in our lab
- Real time collaborative catalog editing (PyCRDT like JupyterLab)
- Used for SITL in future missions?