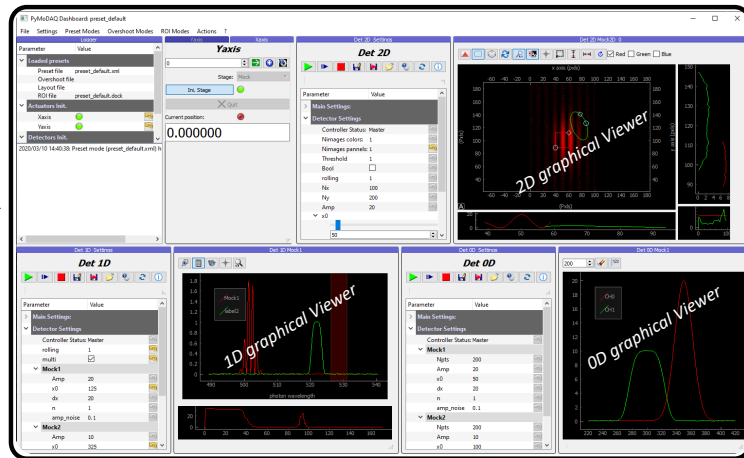


Dashboard

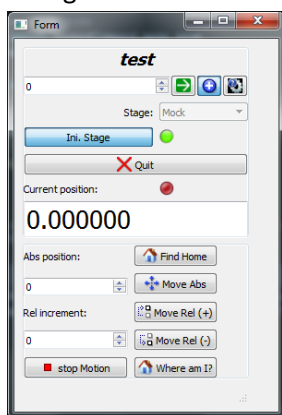
- GUI representation of the experimental setup
- Multiple instances of the core components:
 - DAQ Move
 - DAQ Viewer
- Experiment specific configurator
- Security actions configurator
- Keyboard shortcut and gamepad configurator
- Extensions: DAQ Scan and Logger

N instances Each instance can be on a local or a distant computer using TCP/IP features M instances



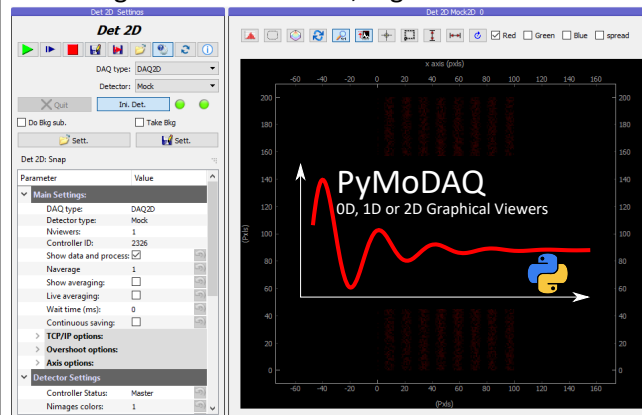
DAQ Move

- Manage actuators using plugins
 - Absolute or relative position
 - Range limitation
 - Scaling feature



DAQ Viewer

- Manage detectors using plugins
 - 0D, 1D, 2D data acquisition and representation
 - Saving and analysis features
 - Background subtraction, region of interest...

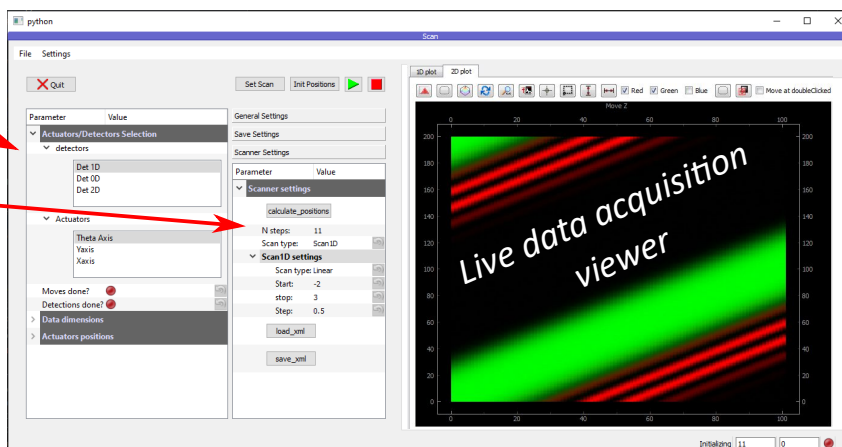


Extensions



DAQ Scan

- Setup automatic data acquisition from selected detectors as a function of selected actuators
- Multiple possible scans:
 - 1D (linear, random or adaptive)
 - 2D (linear, spiraling, random, adaptive)
 - Sequential (linear with more than 2 actuators)
 - Tabular (list of predefined actuator's positions)
- Save data scans *and metadata* in hierarchical binary hdf5 files (later browsing and visualization done with the H5Browser module)
- Quick 2D phase space exploration and selection using the Navigator feature



DAQ Logger

- Enable logging from selected detectors towards:
 - hdf5 local (or remote) binary files
 - local (or remote) databases
- Simplify monitoring
- Database saving enables online remote viewing (for instance using Grafana framework)

