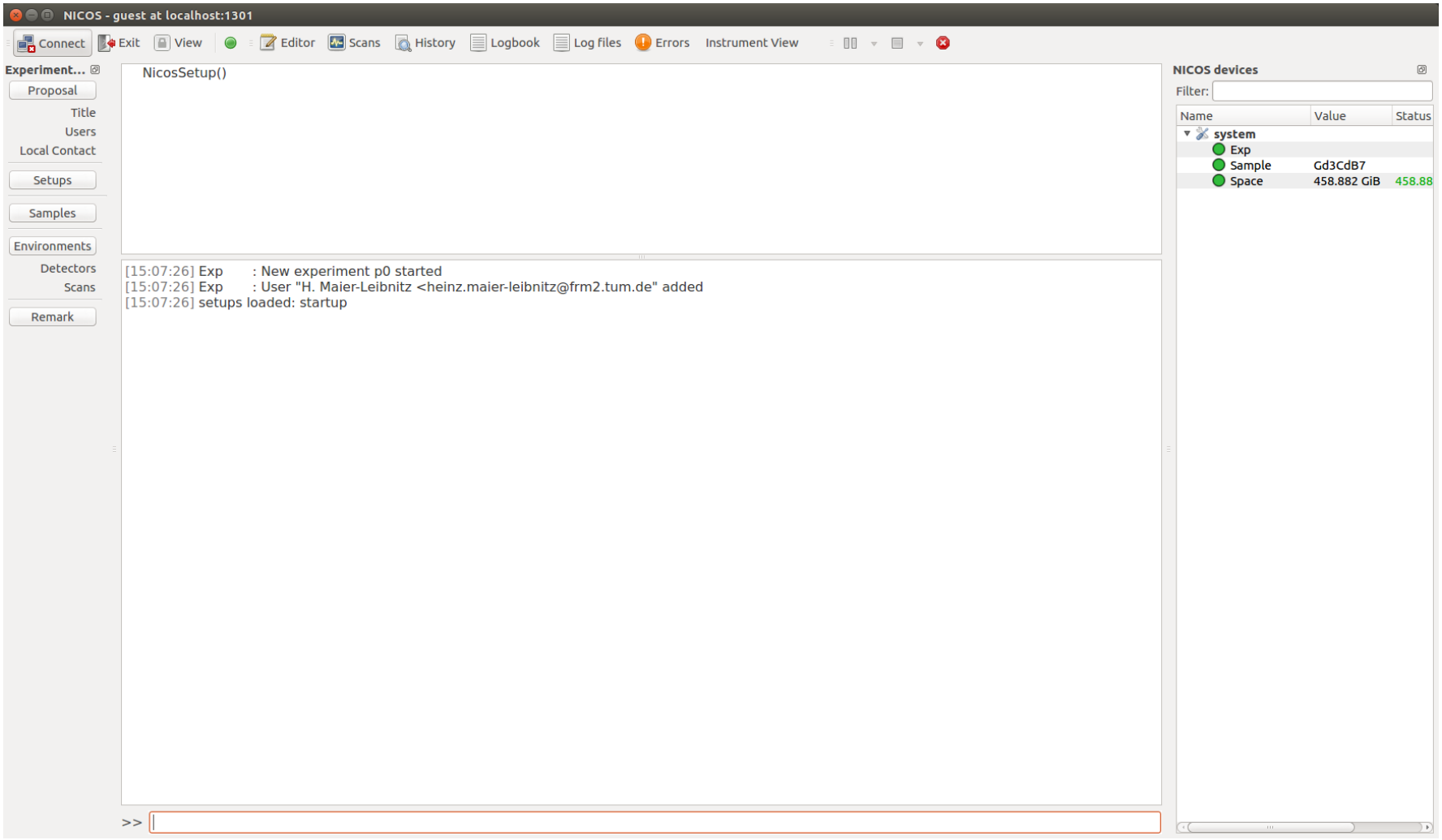
IKON13 Feedback

- NICOS interface made poor impression
  - Main window rather barren
  - Big empty area, some green icons on the side
  - We don’t make full use of GUI capabilities
    - Panels
    - Monitors
    - Synoptic View (Interactive? CSS?)

IKON13 Feedback

- Some users very hesitant about scripting
  - Don’t want to learn Python
  - Except mouse-driven GUI to configure experiment script
  - Some of this already available

Main Window



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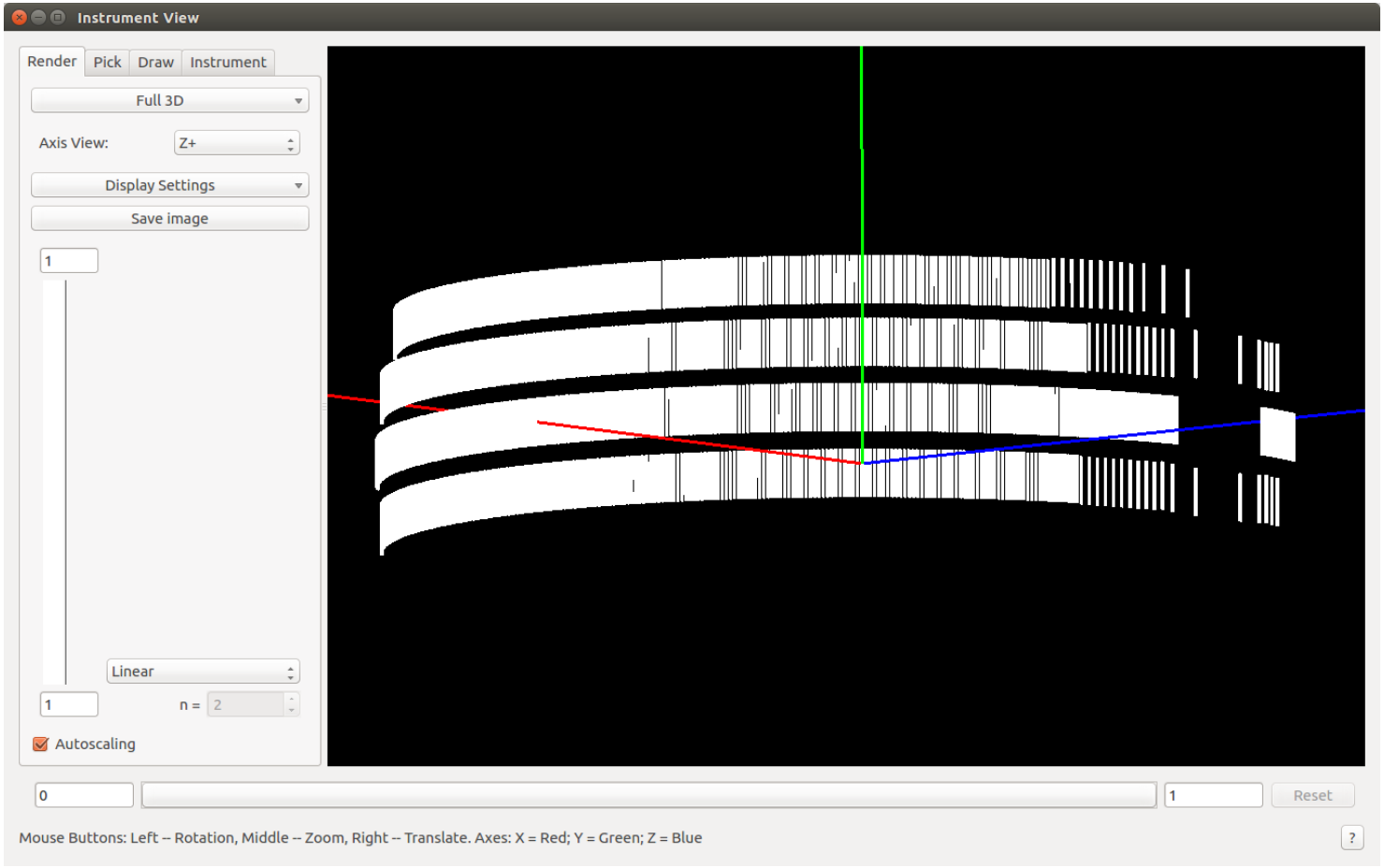
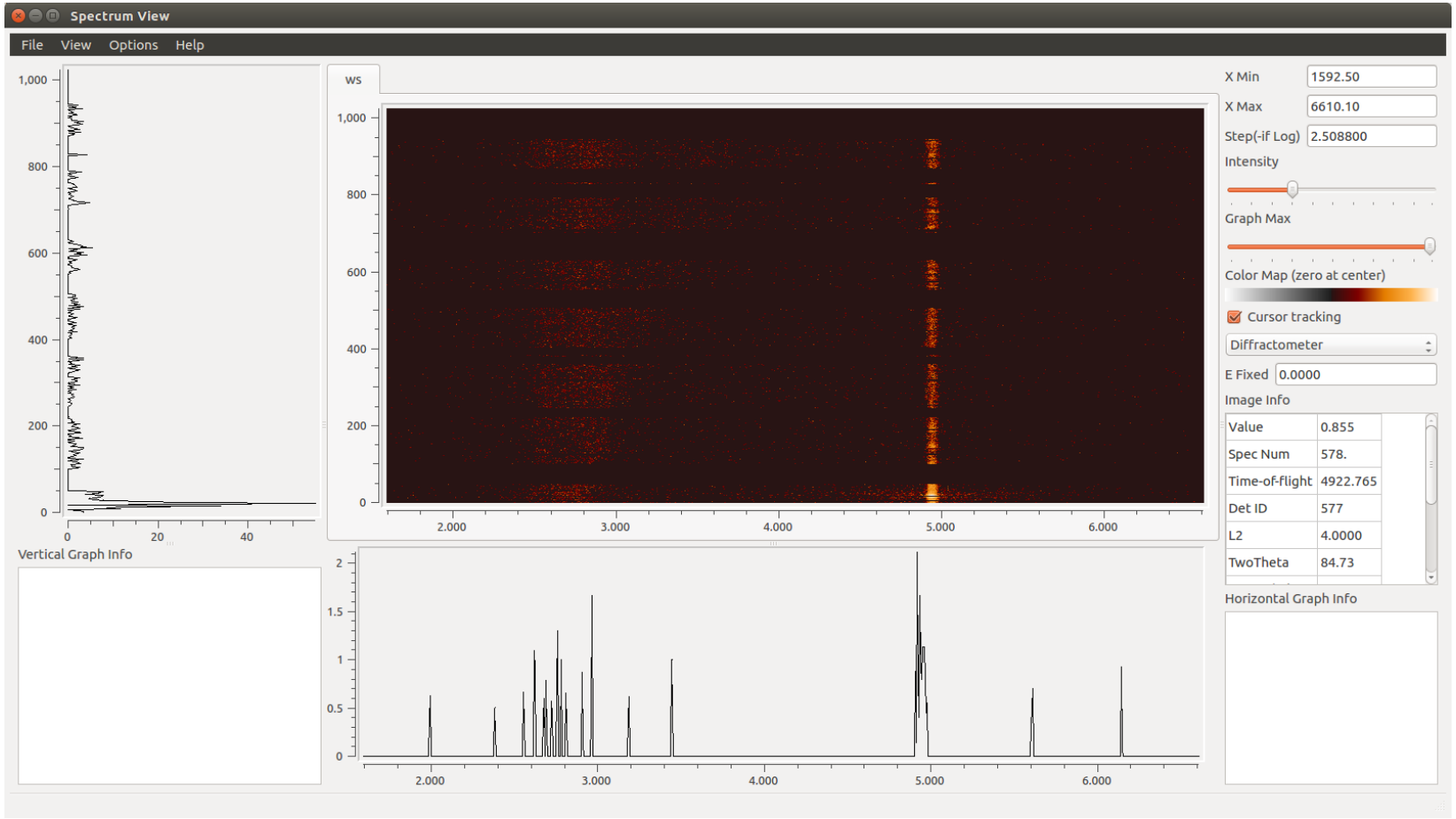
Instrument View



Spectrum View



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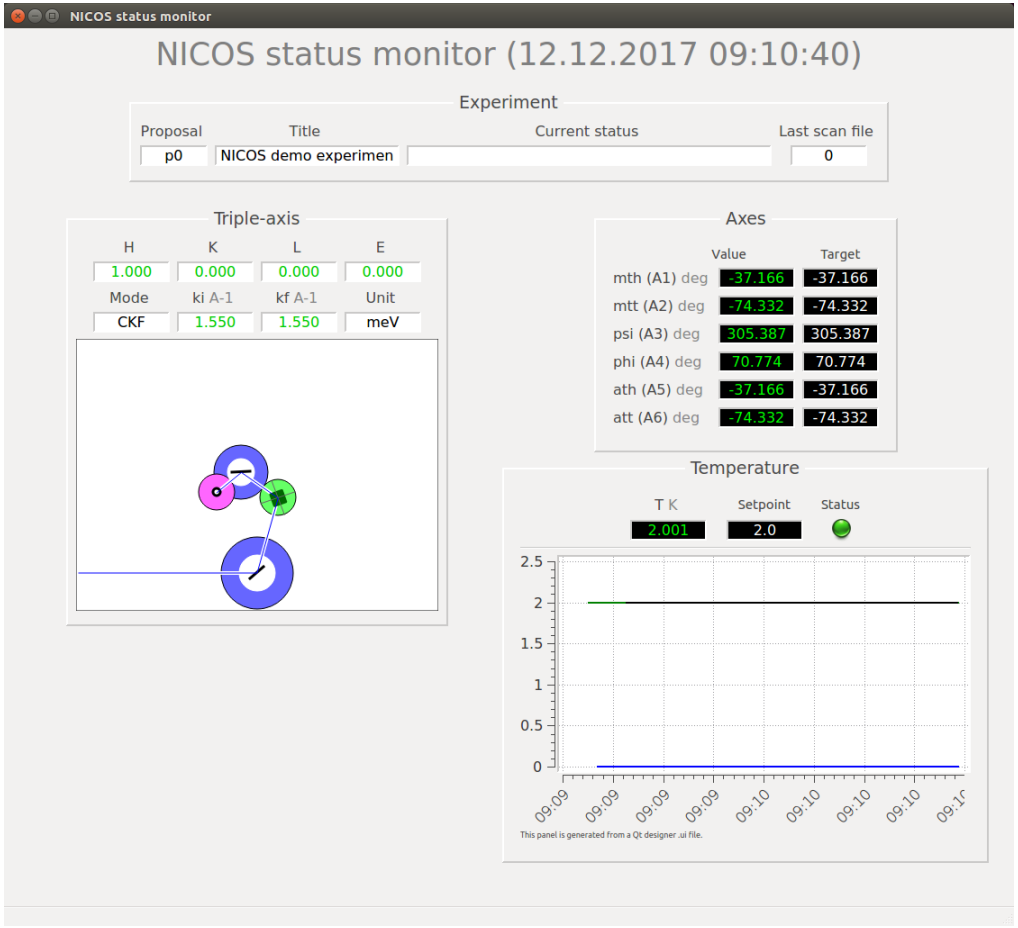
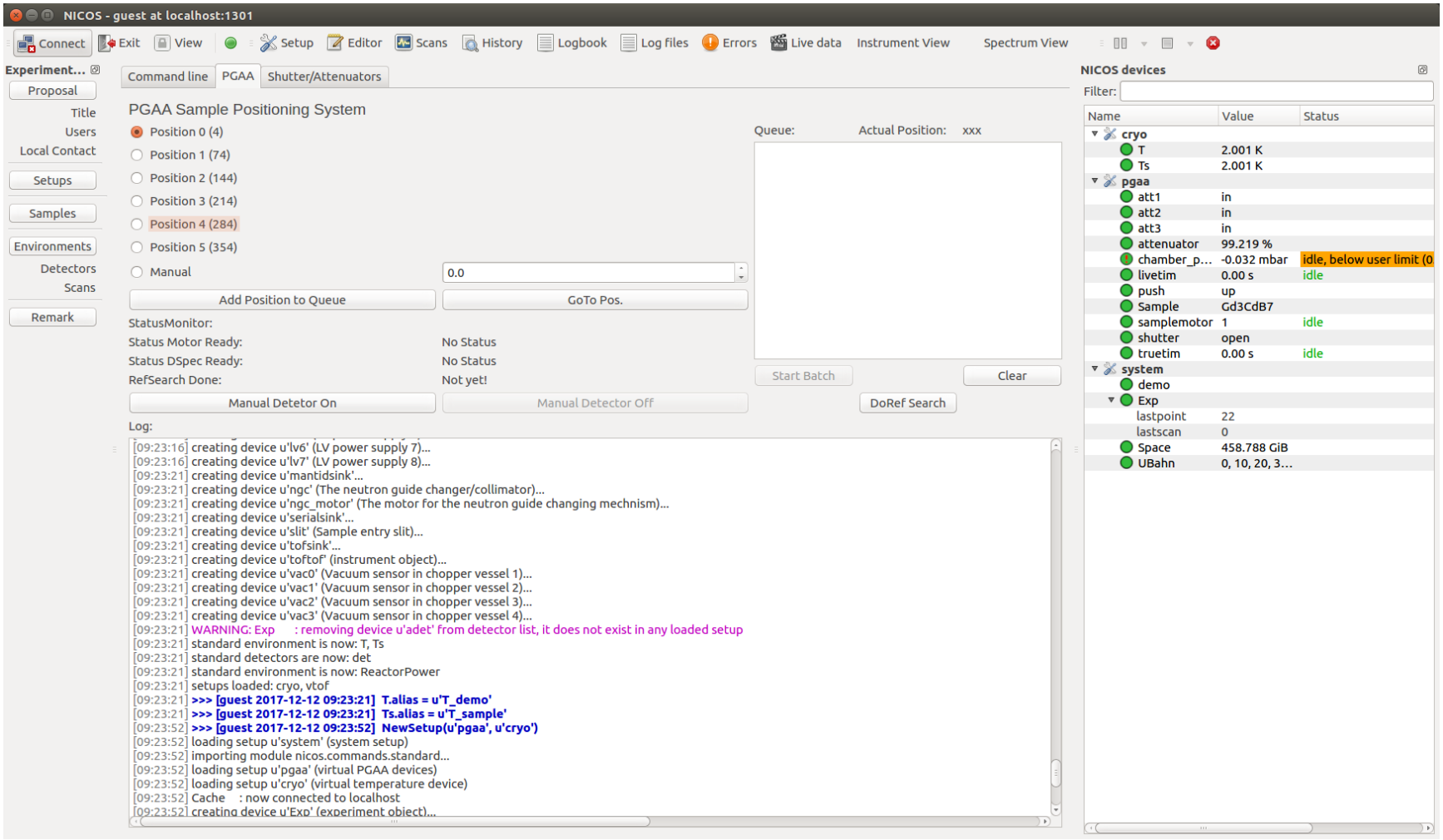
Monitors


NICOS status monitor
NICOS status monitor (12.12.2017 09:10:40)
Experiment
Proposal
Title
Current status
Last scan file
p0
NICOS demo experimen
0
Triple-axis
H
K
L
E
1.000
0.000
0.000
0.000
Mode
ki A-1
kf A-1
Unit
CKF
1.550
1.550
meV
Axes
Value
Target
mth (A1) deg
-37.166
-37.166
mtt (A2) deg
-74.332
-74.332
psi (A3) deg
305.387
305.387
phi (A4) deg
70.774
70.774
ath (A5) deg
-37.166
-37.166
att (A6) deg
-74.332
-74.332
Temperature
T K
Setpoint
Status
2.001
2.0
2.5
2
1.5
1
0.5
0
09:09
09:09
09:09
09:09
09:10
09:10
09:10
09:10
This panel is generated from a Qt designer .ui file.

Guiconfig



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Setup file

```
_tasblock = Block('Triple-axis', [
    BlockRow(Field(dev='tas[0]', name='H', format='%.3f', unit=' '),
             Field(dev='tas[1]', name='K', format='%.3f', unit=' '),
             Field(dev='tas[2]', name='L', format='%.3f', unit=' '),
             Field(dev='tas[3]', name='E', format='%.3f', unit=' ')),
    BlockRow(Field(key='tas/scanmode', name='Mode'),
             Field(dev='mono', name='ki', min=1.55, max=1.6),
             Field(dev='ana', name='kf'),
             Field(key='tas/energytransferunit', name='Unit')),
    BlockRow(Field(widget='nicos.guisupport.tas.TasWidget',
                   width=40, height=30,
                   mthdev='mth',
                   mttdev='mtt',
                   sthdev='psi',
                   sttdev='phi',
                   athdev='ath',
                   attdev='att')),
    ],
    setups='tas',
)


_axisblock = Block('Axes', [
    BlockRow(Field(gui='nicos/clients/gui/panels/tasaxes.ui')),
    # BlockRow('mth', 'mtt'),
    # BlockRow('psi', 'phi'),
    # BlockRow('ath', 'att'),
    ],
    setups='tas',  # this is the name of a setup that must be loaded in the
                   # NICOS master instance for this block to be displayed
)
```

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