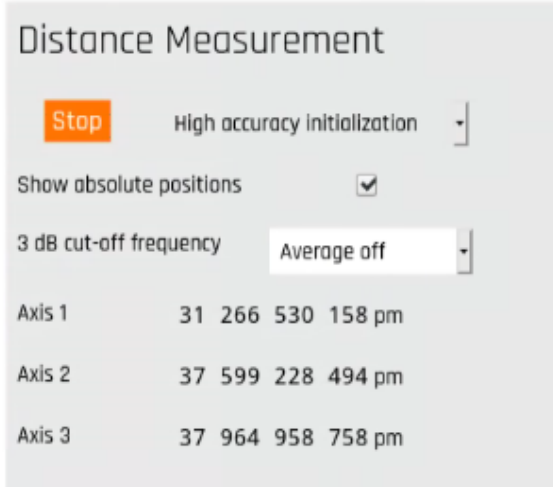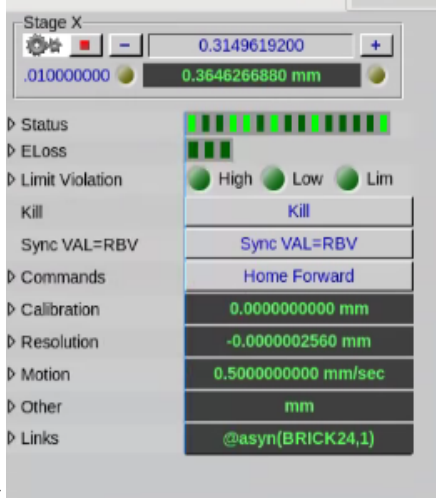# Stage reset procedure

If the stages are in error (red in epics) and cannot be reset by typing '0' in the grey boxes, and looking at the attocube webpage (in info) the second or third set of numbers is unsettled you can use this procedure to reset the stages to their zero position.

Distance Measurement

| Stop | High accuracy initialization | ⋅ |

Show absolute positions ☑

3 dB cut-off frequency | Average off | ⋅

Axis 1	31 266 530 158 pm
Axis 2	37 599 228 494 pm
Axis 3	37 964 958 758 pm

Step-by-step guide

To reset everything:

1. Open EPICS, and kill each of the x, y and z stages by clicking on the cogs by each [Stage X icon] and choosing 'Kill' in the panel that opens to the

   Stage X
   ⚙ ■ – | 0.3149619200 | +
   .010000000 ● | 0.3646266880 mm | ●

▷ Status	■■■■■■■■■■■■
▷ ELoss	■■■
▷ Limit Violation	● High ● Low ● Lim
Kill	Kill
Sync VAL=RBV	Sync VAL=RBV
▷ Commands	Home Forward
▷ Calibration	0.0000000000 mm
▷ Resolution	-0.0000002560 mm
▷ Motion	0.5000000000 mm/sec
▷ Other	mm
▷ Links	@asyn(BRICK24,1)

   right
2. Navigate to the attocube webpage (in info, below)
3. Press 'Stop'
4. Wait 30 seconds for settling
5. Press start with 'Quick Initialization' selected.
6. Open up a new terminal (right click, new terminal). In the command line type 'dls-pmac-control.py'
7. In the Delta Tau motor controller window that pops up, select 'TCP/IP Ethernet'
8. Add the following numbers to the corresponding boxes; in IP address: 10.114.2.97 and in Port: 1025
9. Press 'connect'
10. In the command box below type '#1$*#2$*#3$*' then enter.
11. Reset each stage position to 0 (type in the grey box and press enter) in EPICS

ⓘ http://10.114.2.98/operation

Related articles

- Stage reset procedure