

# Controlling TI

To control the pulser on the TI master use the following commands:

To monitor trigger rates with strip charts open /home/hpsrun/trigratescharts.xml

HPSTRIGSC\_5: gated pulser trigger rate

HPSTRIGSC\_0\_PRE: gated single0 trigger rate

Change pulser period to e.g. 100Hz:

```
tcpClient hps11 'sspPulserSetup(10,100.0,0.5,0xFFFFFFFF)'
```

Change block level to e.g. 40:

```
tcpClient hps11 'tiSetBlockLevel(40)'
```

Change prescale to e.g. 15:

```
tcpClient hps11 'tiSetInputPrescale(1,15)'
```

tcpClient hps11 tiStatus()

hps3\_start

connect, configure, run type, prestart, Go

If mistake - cancel, reset

roc\_xterms\_start or hps/hpsRocStart.sh

hps/hpsRocRebootAll.sh

roc\_xterms\_exit or hps3\_exit

Home Directory: /usr/clas12/release/0.2/

Config files: ~/parms/trigger/HPS/TEST/MakeDaqCrash2.trg

Readout list: ~/coda/src/rol/rols/

Start Epics: hps\_epics v2.0.0

Run Type: HPS3\_NOER\_NOTDC

Reboot Roc e.g. hps1: ssh hps1, hps/hpsRocStart.sh ???

Reboot the Crate: cd ~/slac\_svt/svtdaq/daqv2/rceScripts/reboot\_cobs.sh

```
tcpClient hps11 'tiSetRandomTrigger(1, prescale)'
```

```
tcpClient hps11 'tiDisableRandomTrigger()'
```

```
tcpClient hps11 'tiSetTriggerSource(0x5)'
```