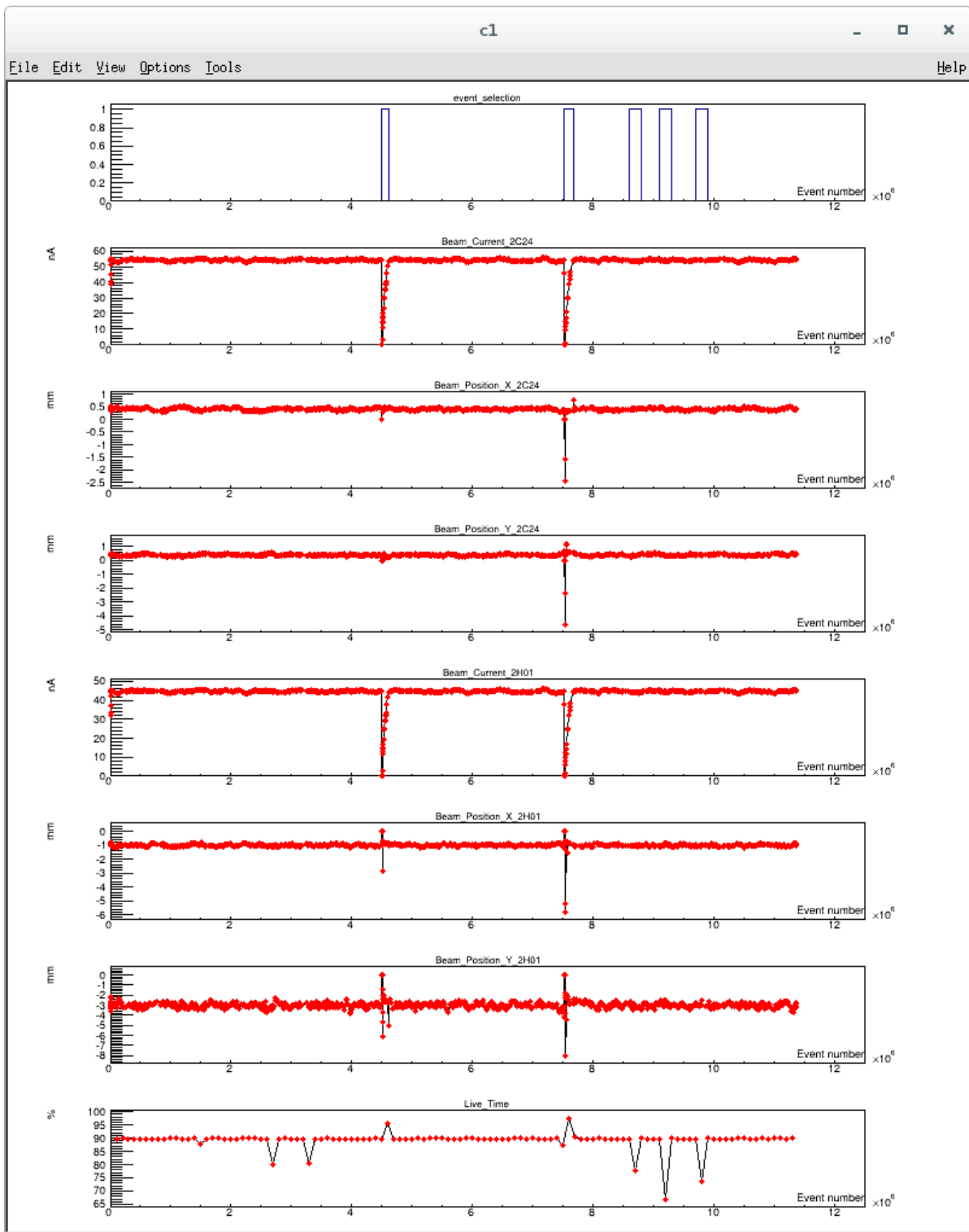


# Event Selection Rule

- Select good events based on beam current and beam position at 2H01 and 2C24 and live time
  - Beam current +/- 5nA
  - Beam position +/- 1mm (+/- 2mm for 2H01 Y after run 1394)
  - Live time drops less than 10%
  - Event number > 20000
  - \*Stability of the cell pressure, temperature and target thickness
  - Bad runs: 1428, 1483



Current 2C24

X position 2C24

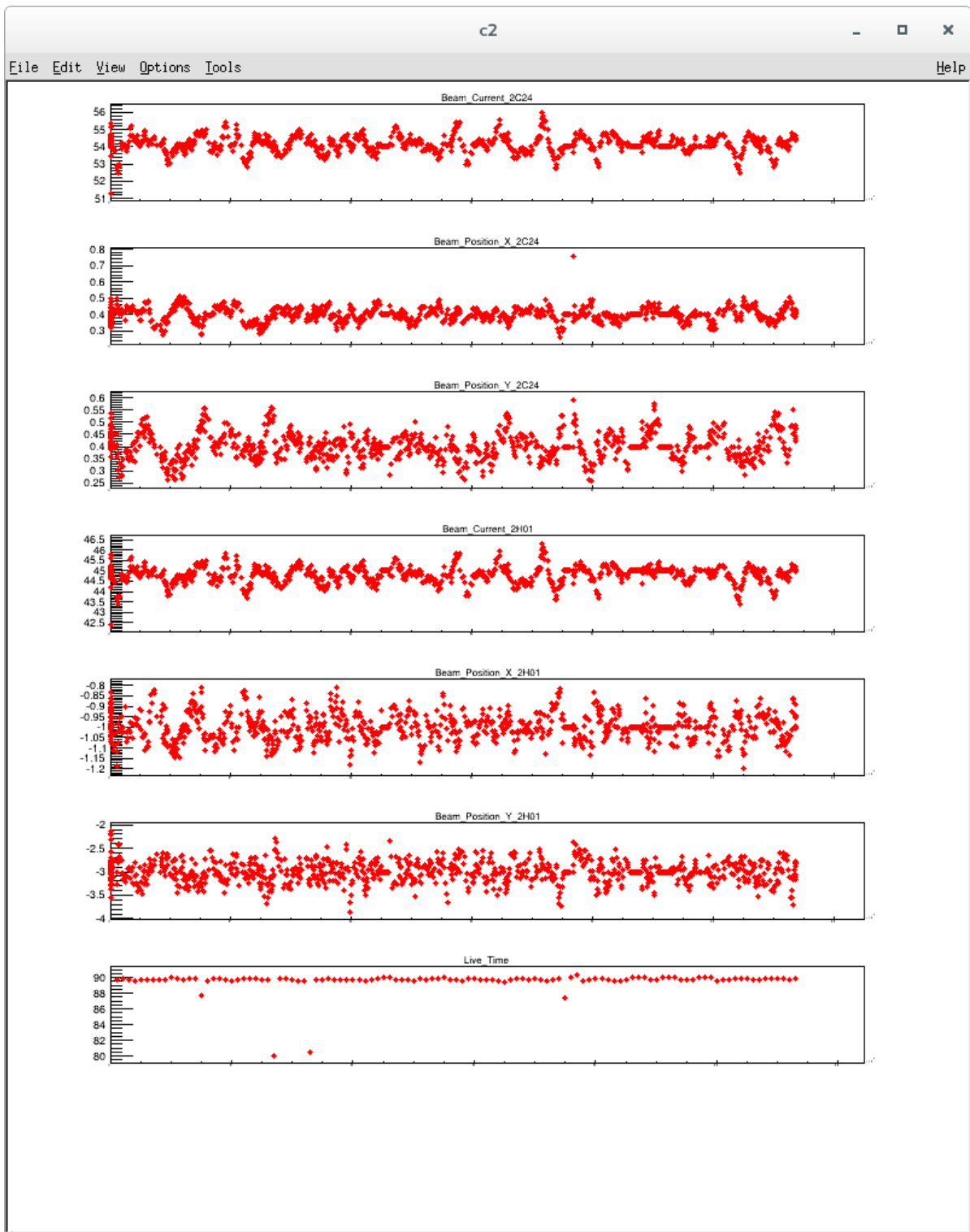
Y position 2C24

Current 2H01

X position 2H01

Y position 2H01

Live time



Current 2C24

X position 2C24

Y position 2C24

Current 2H01

X position 2H01

Y position 2H01

Live time

- Two types of files for each run on ifarm in directory /work/hallb/prad/data\_EnS/
- Root file (prad\_<run number>\_EnS.root) has all the plots
- A txt file (EventSelect\_<run number>.txt) has the bad event number
- Example format of the txt file:
  - \*20000 2000000
  - 8800000 9000001
  - 13196233 13333585
- \* means it is due to stability of the target temperature, pressure and target thickness. I think this cut is optional, so it is marked with \*
- ~4% of data cut away if without \*, 5.5% with \*