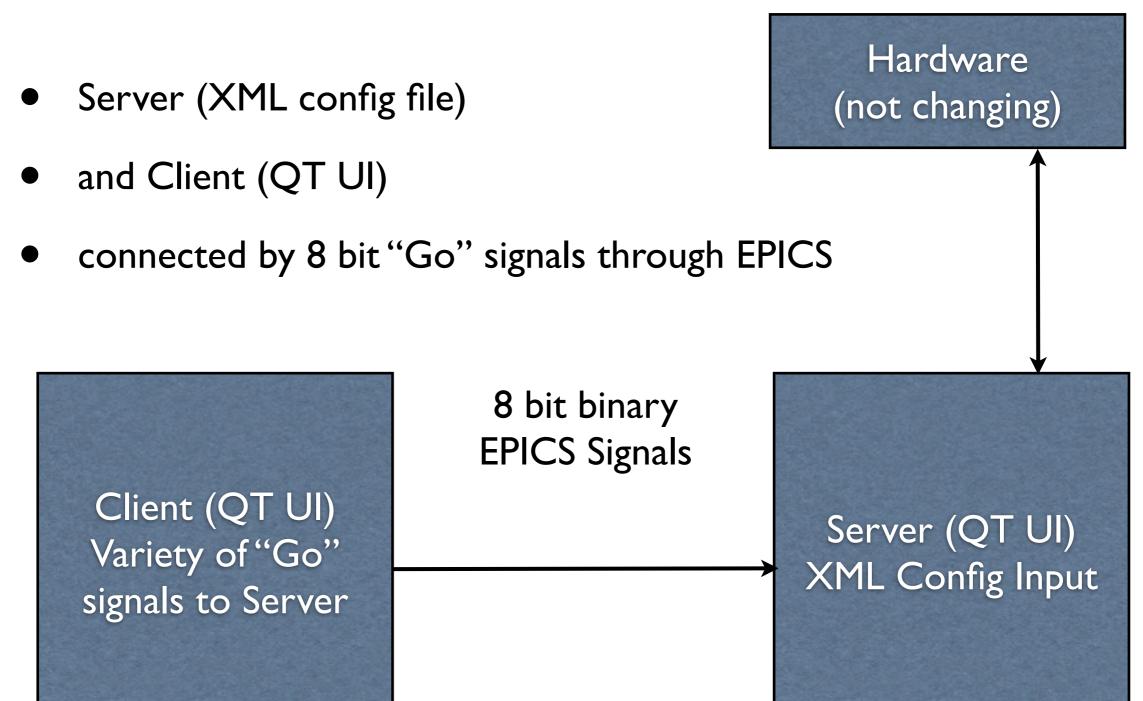
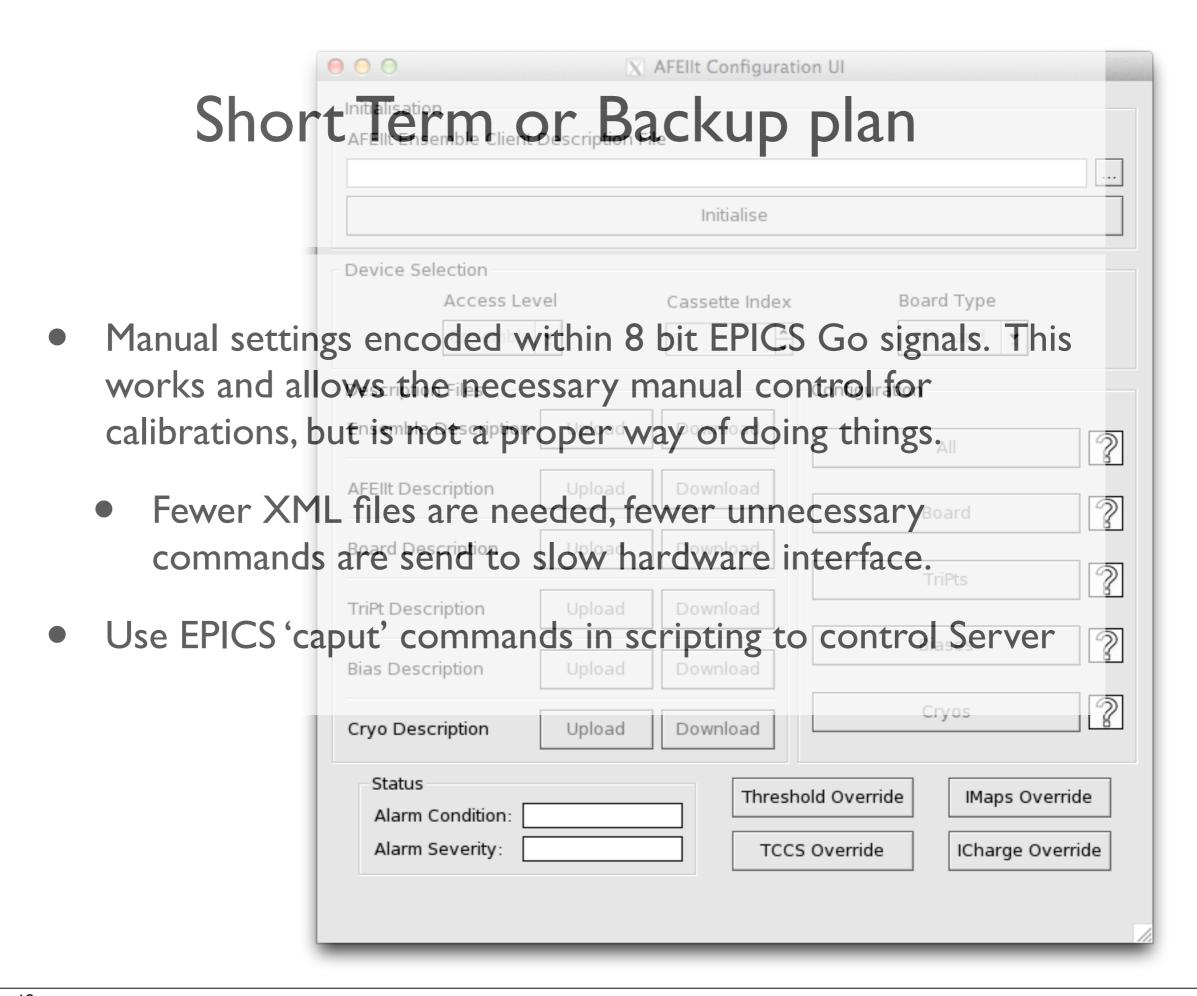
Tracker AFE Programmer

Structure



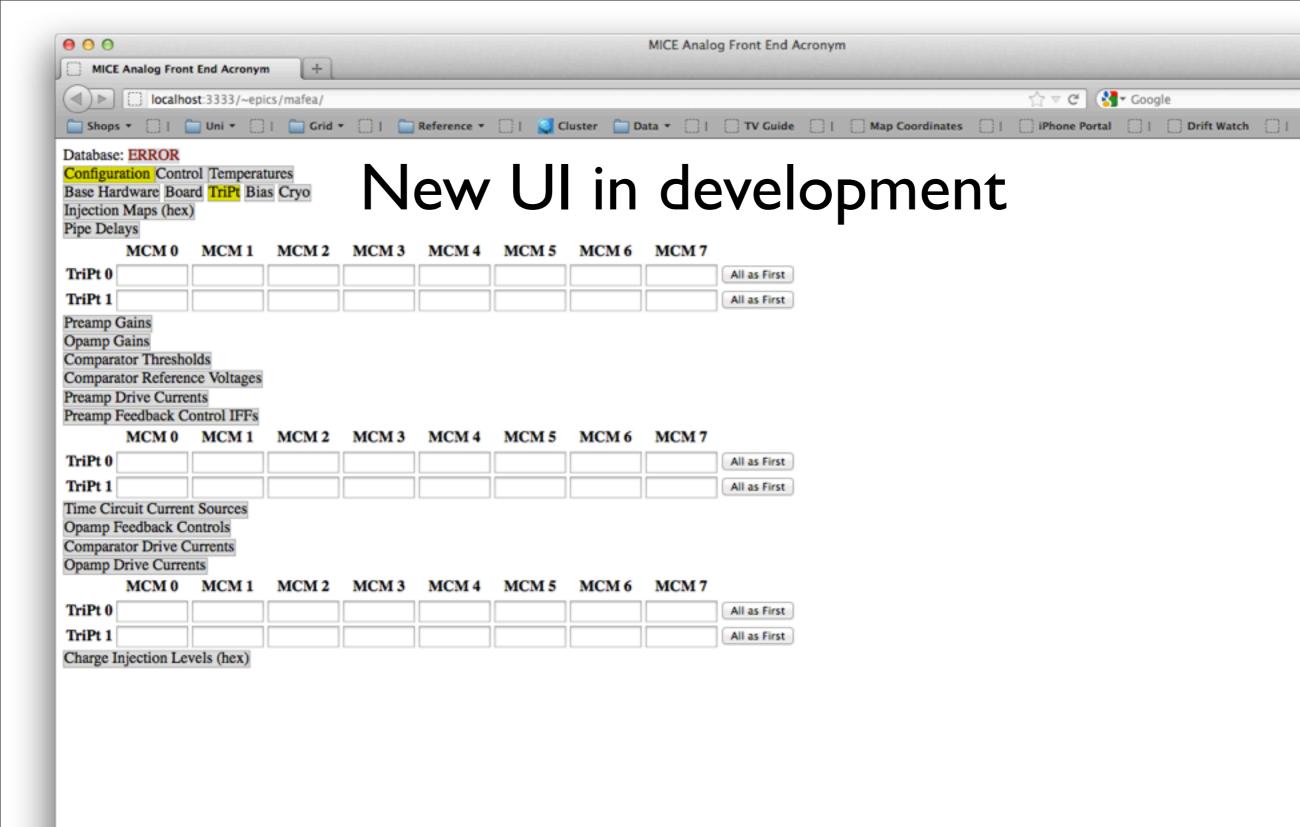
Problems

- Hardware communication is slow. Can't fix it, must optimise for it.
- David wants to make small adjustments without defining a new XML file. Mainly for calibrations.
 - Only those settings should be applied without reprogramming a large chunk of the system.
- Tracker AFE Programmer mixed in with Target and Menu code.
- Use of XML files for config is a pain.
- EPICS compliance of the system is weak.
- Need to script system for calibrations



Long term

- Settings stored in sqlite file or mysql database. Whichever is preferred
- Web interface (javascript)
- All internal interprocess communication through text commands over tcp so that they can be easily scripted.
- EPICS support through EDI, which has much better EPICS standards compliance.
- Single Web UI for everything: Temperatures, configuration, control &c.
- Server runs 24/7 and is only restarted to correct problems or install new versions



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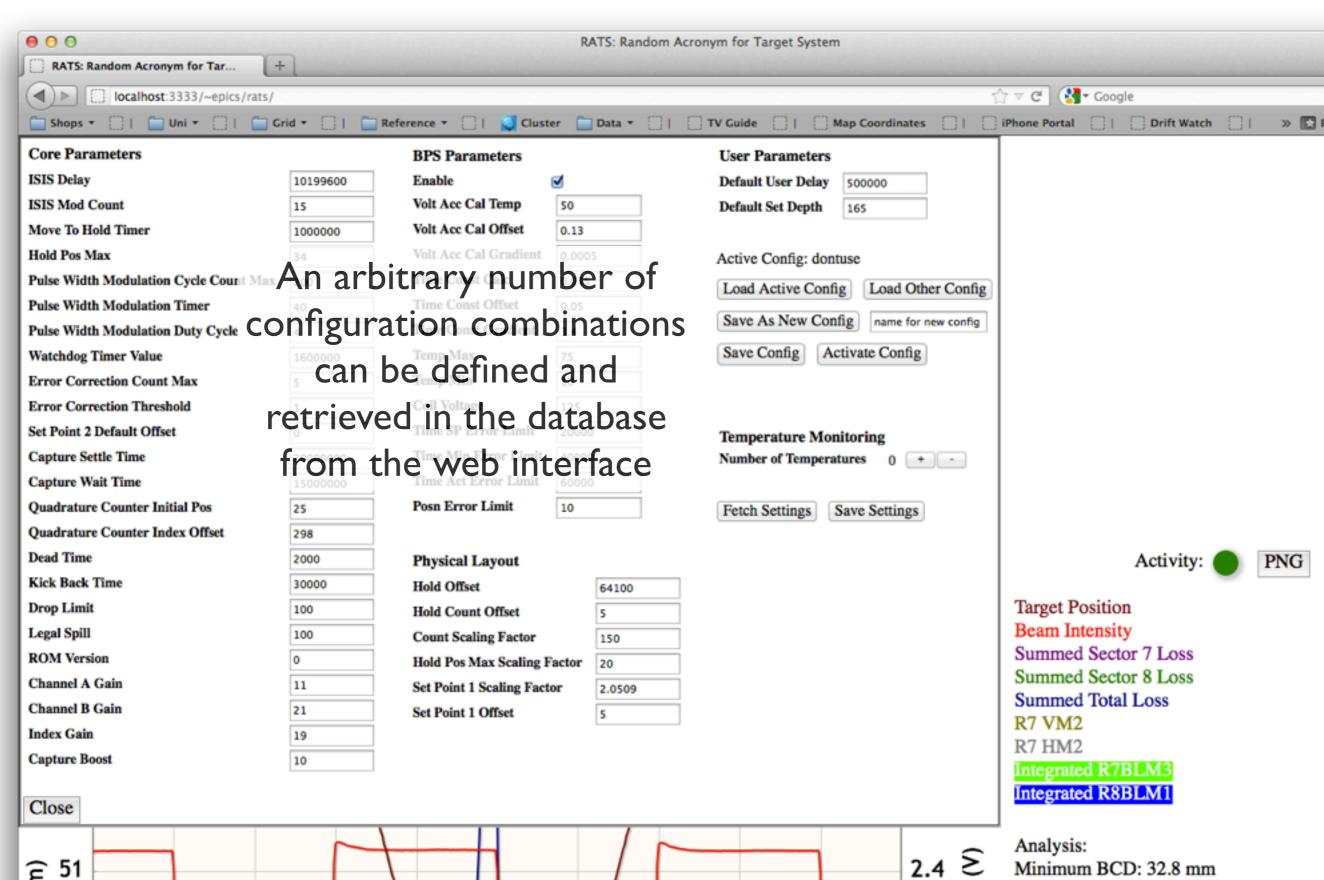
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Analogous Target System

- Under testing in Sheffield.
- Major problems solved.
- Few weeks to full functionality.
- Hardware layer completely different, but user requirements very similar

Target Settings DB Interface (Tracker one will be bigger, but scaling not a problem)



Consultation

- David and I are already in discussion.
- Any other thoughts?