Reliability models of the system – results

Energy Extraction Universal Controls – Progress Meeting #4

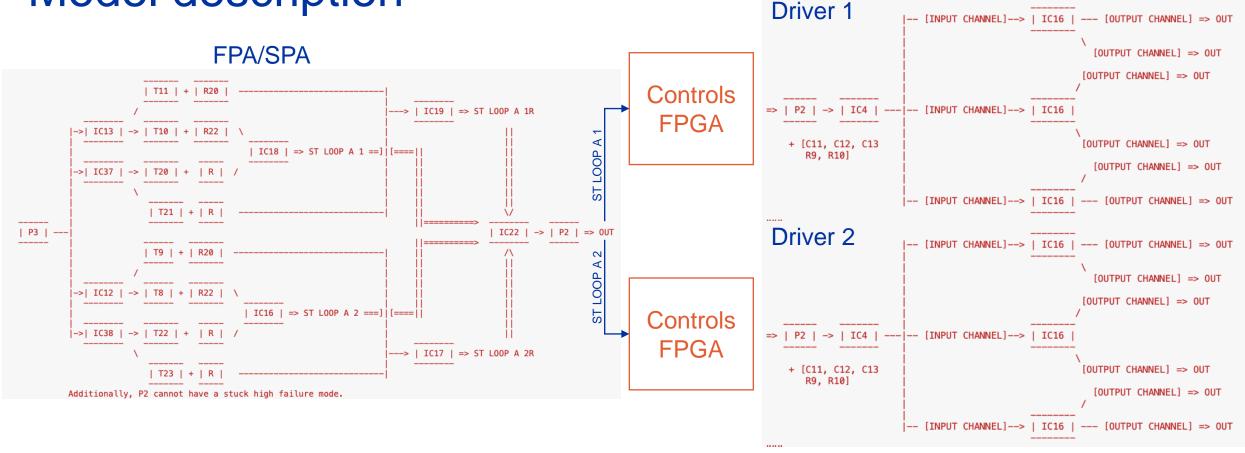


List of contents

- 1. Baseline model
- 2. Re-routing model
- 3. Model using FPA/SPA
- 4. Questions & next steps



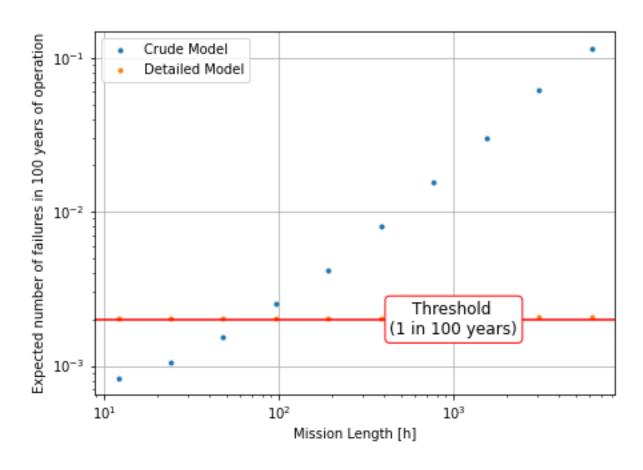
Baseline Model description



CNTL – worst case estimate (all failures critical) FPA/SPA, Driver, Interlock – assuming all components on the critical path are critical

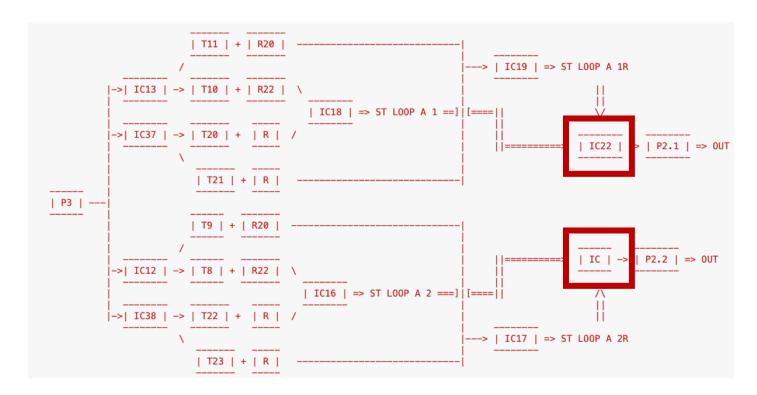


BaselineResults





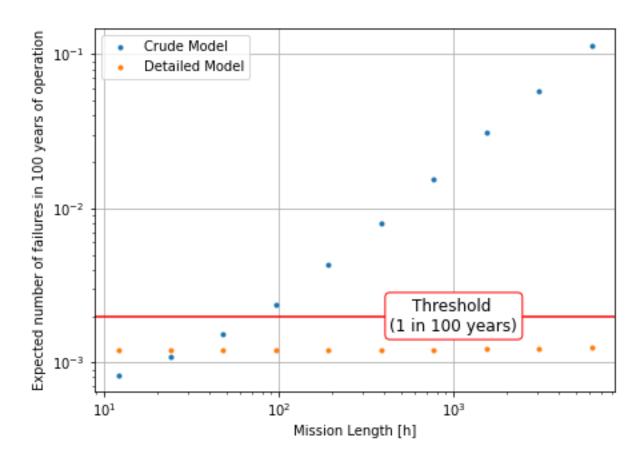
Re-routing Model description



Avoiding all critical signals passing through the same voltage translator IC22.

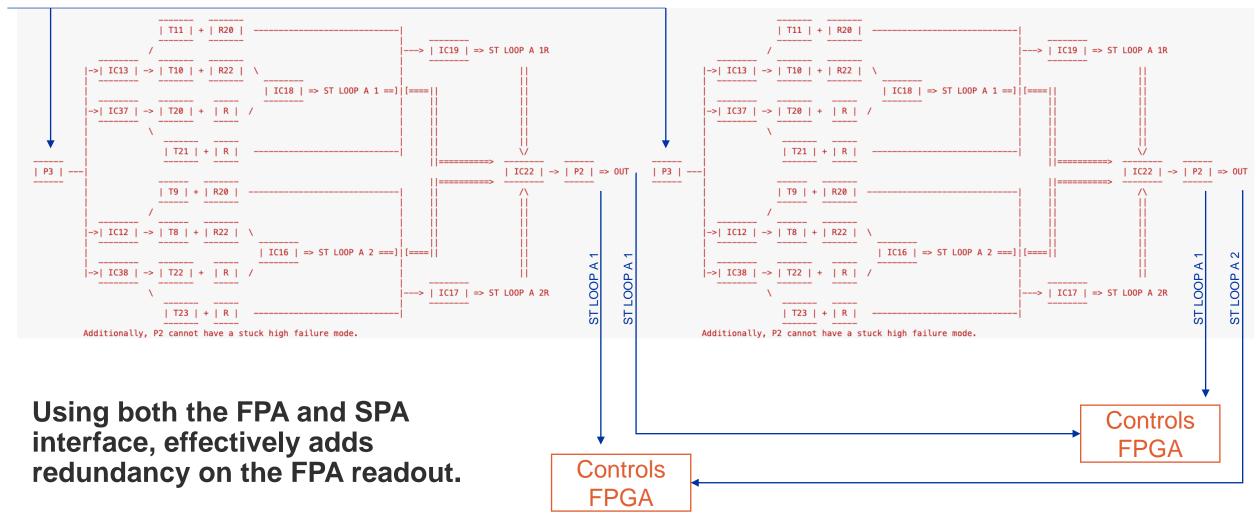


Re-routing Results



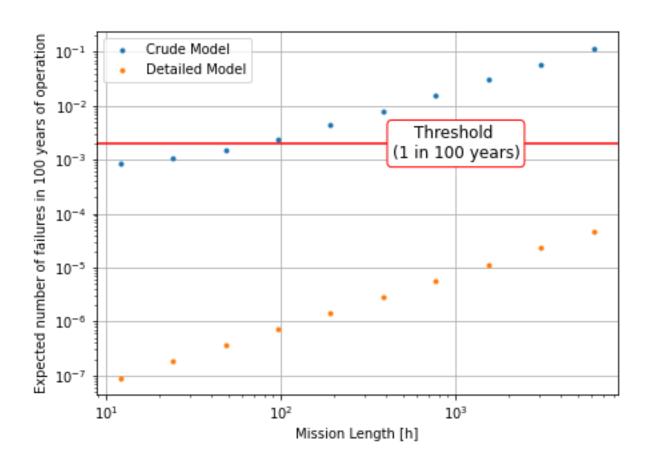


Using FPA/SPA Model description





Using FPA/SPA Results





Interlock card



Interlock card Schematics



Interlock card Potential single point of failure?

