ROD Status

Hardware

- 2nd test crate (ROD+DSS) set up
  - Useful in setting up multi-crate run control s/w
  - Failure of ROD (failure to load firmware) and DSS (output memory not always readable) caused dismantling of set up and return of h/w (under warranty?) to ID
  - New modules under test (Neil) with LabView in H/D lab.

Firmware: CP Data

- Operational …
- Except
  - Status bits in S-link data need to be checked against spec.
  - A few minor violations of spec.
    - Bit 23
    - Status word zero suppression
    - …

Firmware: CP RoI

- **Operational but flaky**
  - Maximum ROI …
    - 0 = no limit: Right idea but not in the spec.
    - 0x50 results in loss of data
      - Recall: 16 per Glink x 4 = 64 (0x40)
    - Need to check flow control again

Firmware: Cp-CMM Data

- **Ambiguities in Interpretation of spec.**
  - results in 16 data words for crate merger, 20 data words for system merger. Sub-sums do not appear from crate merger!
  - Need a new data type to define connection
  - Modifications of simulation requested:
    - Provided by SJH but not yet tested
    - Should the spec. be changed?

Firmware: JEM Data

- **Initial Tests:**
  - Data frames are packed 2 per data word
    - Which frame should be least significant.
      - Spec doesn't specify.
      - Engineer J. chose 1 (from "Frame 0-1")
      - S/W Guru S. chose 0
  - Data Frame counter (F0/F1):
    - Implemented in firmware?

Firmware: JEM RoI

- First tests…
  - RoI zero suppression non functional?
  - Simulation s/w (bill-file) lacks 'simple' functionality (or does it?)
    - Patterns…