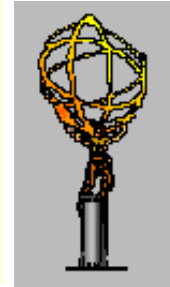




17th January 2002

ROD Ruminations



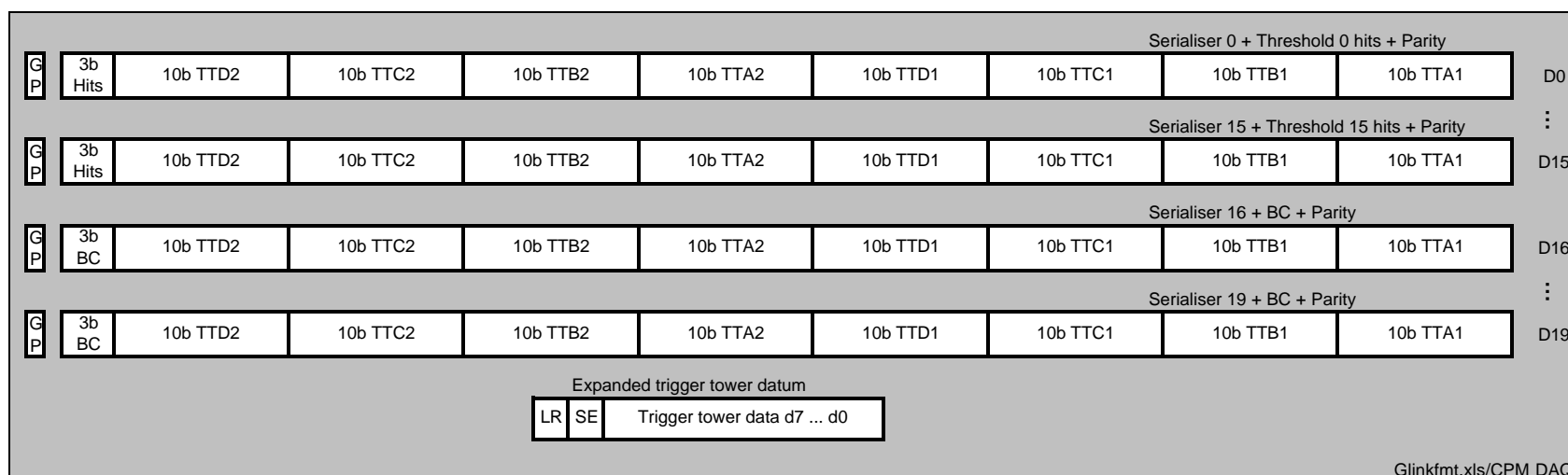
Intermediate results on data compression in ROD

C .N .P .Gee

Rutherford Appleton Laboratory



CPM Formats - Glink into ROD

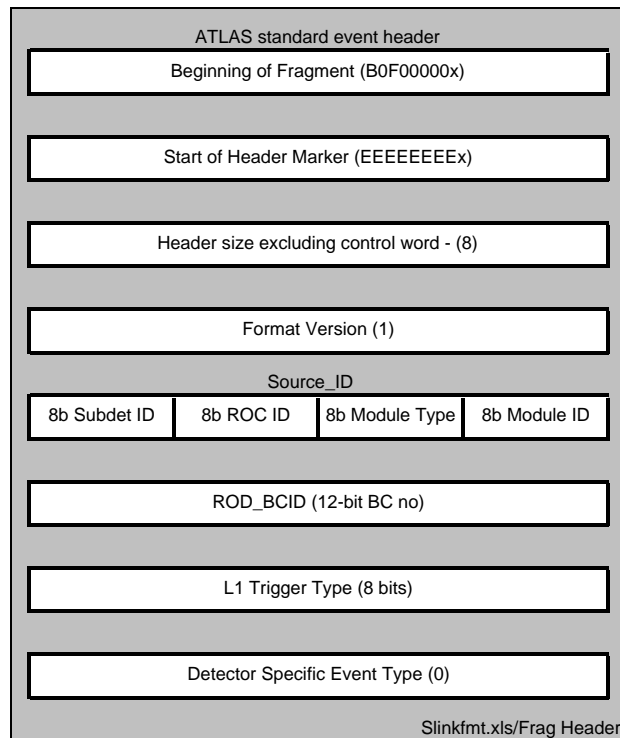




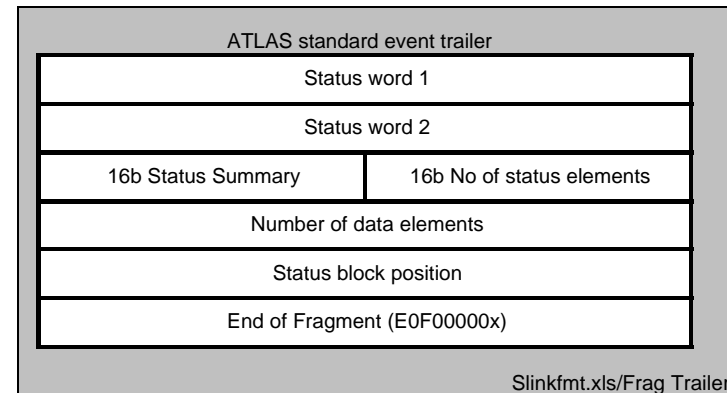
CPM Formats - S-Link Fragment



Header...

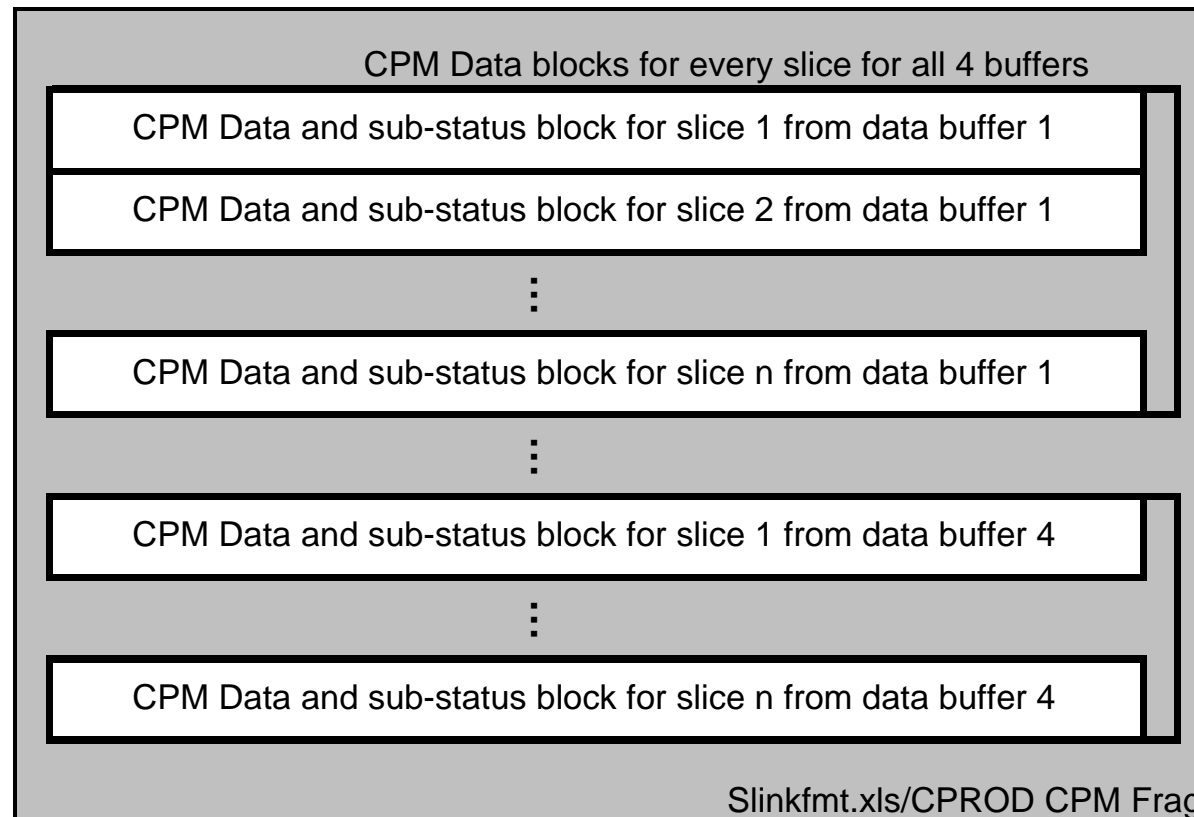


and Trailer





CPM Formats - Fragment payload

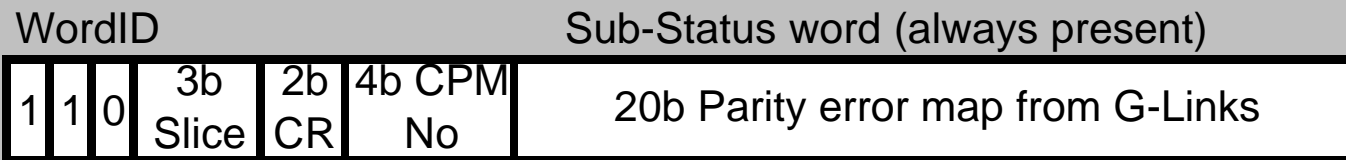
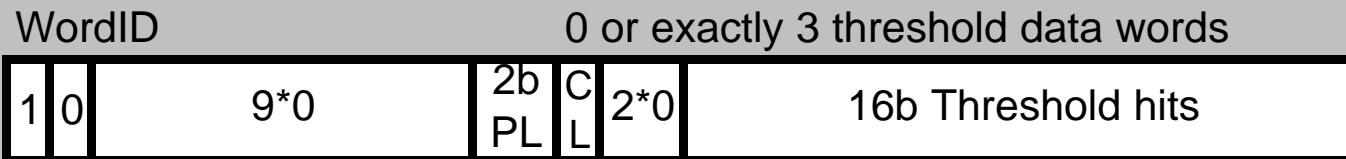
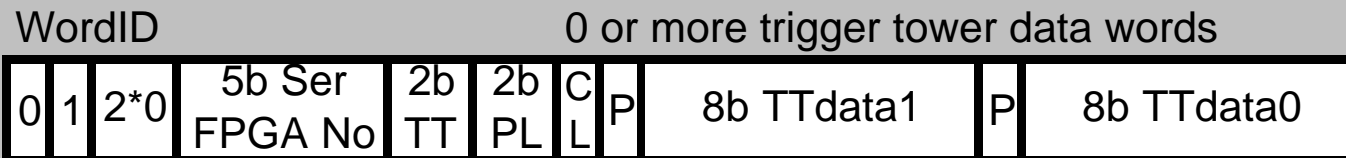




CPM Formats - Payload Detail



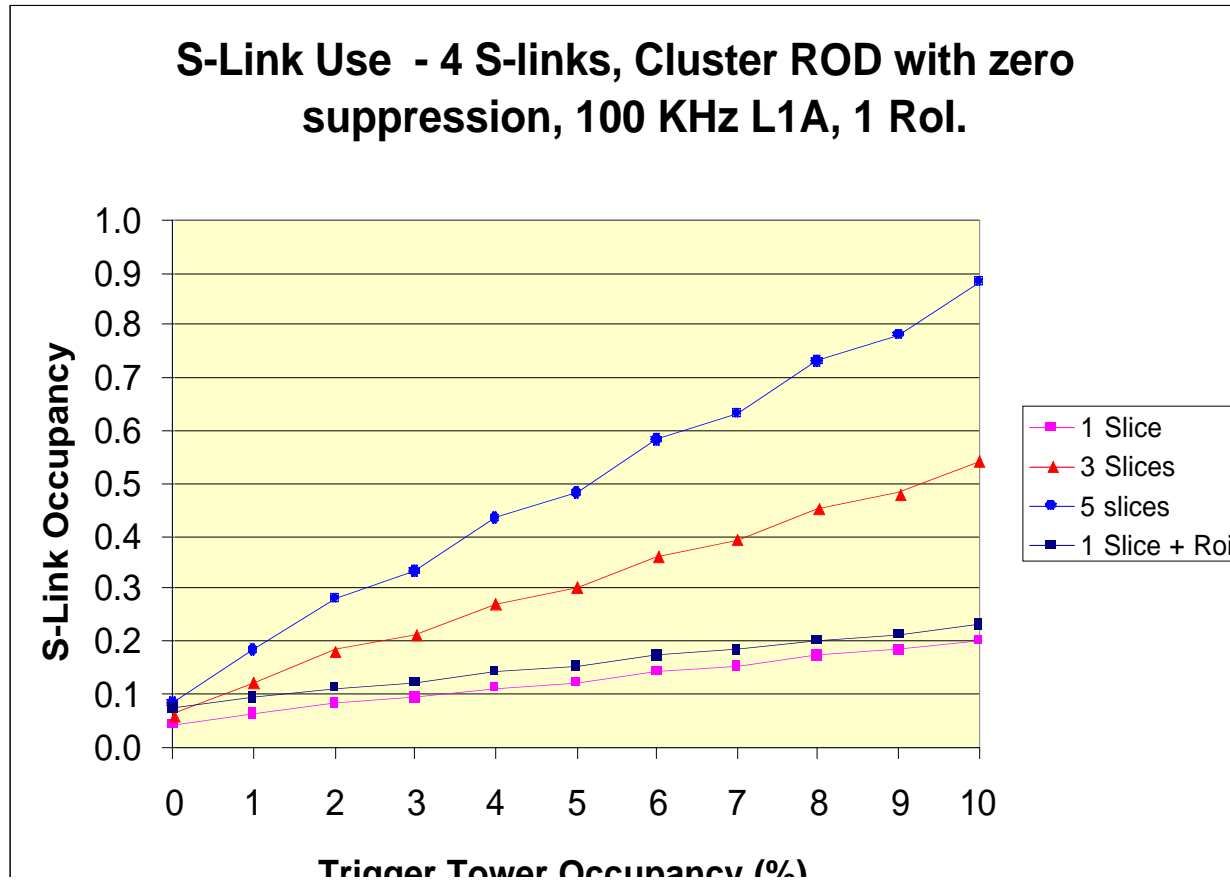
Each Data and Sub-Status Block consists of the following:



Slinkfmt.xls/CPROD CPM Datablock

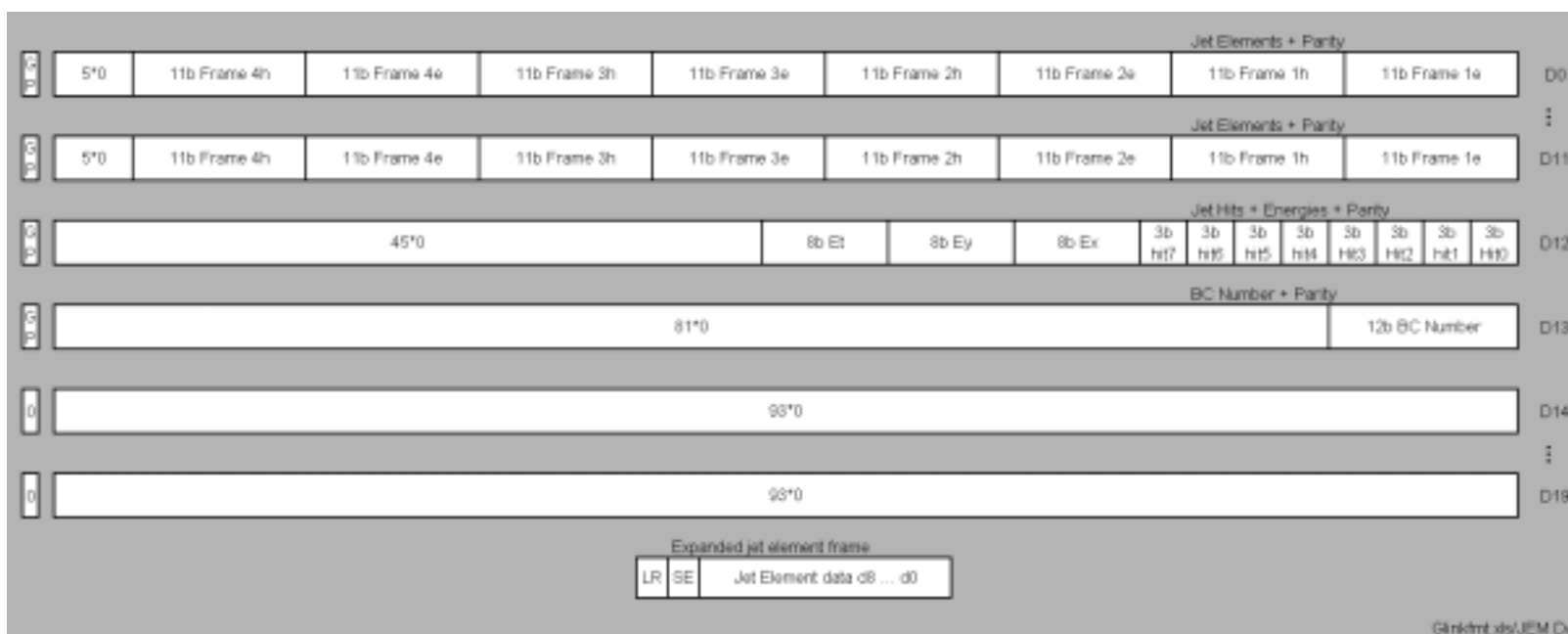


CPM S-Link Occupancy





JEM Formats - Glink into ROD



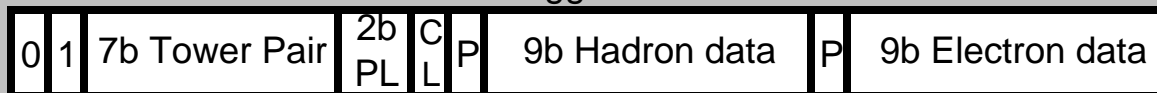


JEM Formats - Payload Detail

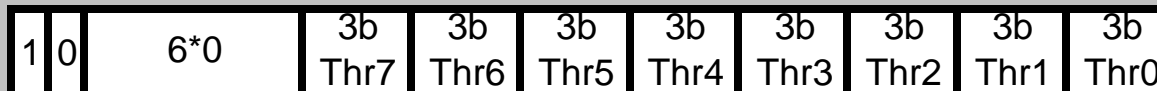


Each JEM Data and Sub-Status Block consists of the following:

0 or more trigger tower data words



0 or 1 threshold data words



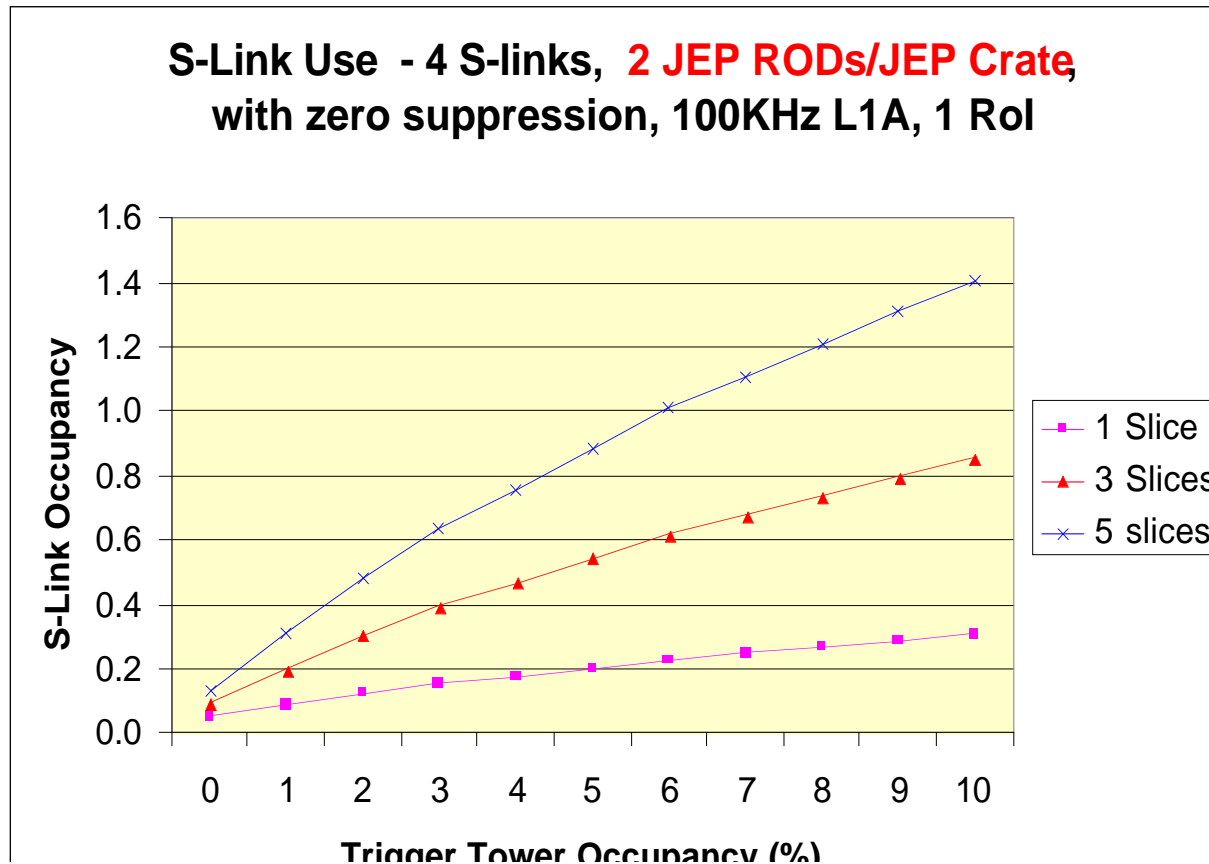
Sub-Status word (always present)



Slinkfmt.xls/CPROD JEM Datablock



JEM S-Link Occupancy





Conclusion so far



- **Need an S-Link format - at least for JEMs - which does better zero-suppression.**
- **Q: why worry about this now?**
- **A: Because the CMM readout firmware (ROD end) will soon be written, and may need to fit into a new scheme.**

- **I'm working on it...**



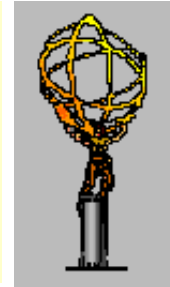
End



The End (almost...)



DIGression





DIGamy



“Digamy (n) - a second marriage contracted after termination of the first by death or divorce”

- **The DIG has changed.**
 - In the old scheme, I was the nominated contact
- **Now we have Dig Forum, working groups...**
 - individuals are “invited” to participate
- **How should they (and we) react?**



DIGht



“Dight (v) - to adorn or equip, as for battle”

- **Livio will identify topics and suggest participants, but his choice might be wrong**
 - We may have a better expert;
 - The nominee may be too busy;
 - The topic may not map onto a single L1Calo person;
 - L1calo should nominate its own representatives
- **Proposal: any of us receiving such a request should respond by saying we will nominate a representative.**
 - If urgent, this can be done by email.



DIGitalism



“Digitalism (n) - a serious condition resulting from digitalis poisoning, characterised by nausea, vomiting, and a disturbance in heart rate”

- **We should expect frequent status reports from our representatives**
- **We will need to sort out document authorship, as ideas conveyed by our reps may be the intellectual output of many people.**



End



The End