Status (and future plans) of tsim_l1ft

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Status:

Kin Yip has written tsim_l1ft . It works.

The package is being taken over by JFR, Bruno, VJ,....

As of the moment, this package has the following features:

- Package deals with CFT, CPS (axial) and CPS (stereo)
- Trigger terms, TTK, TOCT, TEL, TDL, TIS have been implemented, and sent to L1 framework
- Data is sent to L2pp via iogen classes
- Data is sent to L3 via UnpDataChunk - being changed to use iogen objects

Future Plans:

Even though a lot of work has been done, and the package essentially works, it needs to be modified/improved

- Simulation of the CTTM, TM needs to be completed. Remaining trigger terms need to be implemented. TM needs to read COOR output
- Data from all relevant boards needs to be sent to L3 . Use iogen objects to accomplish this
- "Versioning" system for constants like equation files, etc.
- Analyze package needs to be written
- For some of the boards, the firmware has not been finalized. Once this is done, the code needs to change. At the moment, Kin has implemented some algorithm
- Provide hooks to input test vectors to study the behaviour of various components
- FPS simulation will be in a separate package, to be maintained by Levan, Mrinmoy & Satish