CERES Instrument Simulator

SUMMARY

* The TRMM & TERRA CERES simulators are essential for testing & validation of comand sequences, scan tables, software patches and CERES Long Command uploads. Very useful for anomaly investigations prior to sending commands to GSFC/MOC

* The simulators provide real-time graphic instrument display & GUI interface in virtual hardware with instrument panels to investigate scanning Az. & Elev. gimbals. Integrated embedded processors & PC monitors turn CERES developmental MAT-LAB engineering models into real-time CERES virtual-instruments. Uses un-modified CERES ROM loads & supporting software.

*CERES/ AQUA simulator with embedded processors built and tested, links TRW/ BCU & instrument PC with 4 ISA slots for I/O cards, reconfiguring now.