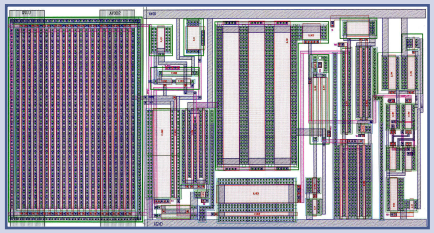
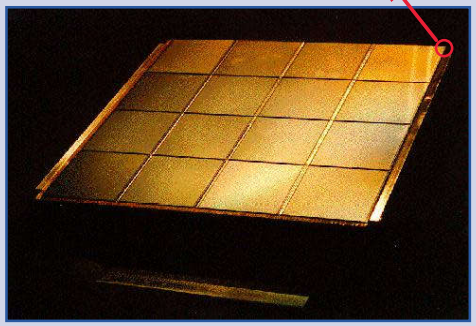
GLAST Key Technologies

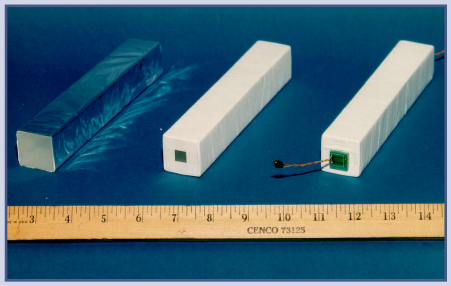
200 micron pitch



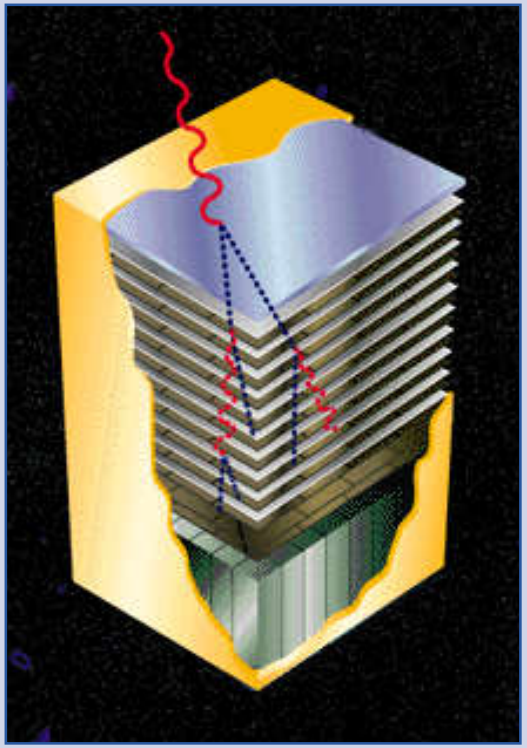
Low-Power Megachannel VLSI Readout Electronics



Silicon Strip Detector Tracker Plane

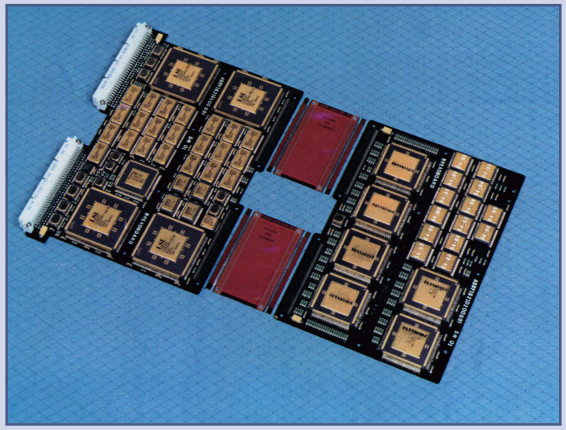


Cesium Iodide Imaging Spectrometer Elements



GLAST Telescope Module

- **CHALLENGES**
  - Largest silicon strip detector array ever assembled (1.5 million channels from total of 90 m^2 of silicon detectors)
  - On-board data system sophistication: distributed, adaptable, programmable trigger



32-bit Radiation-Hard Processor