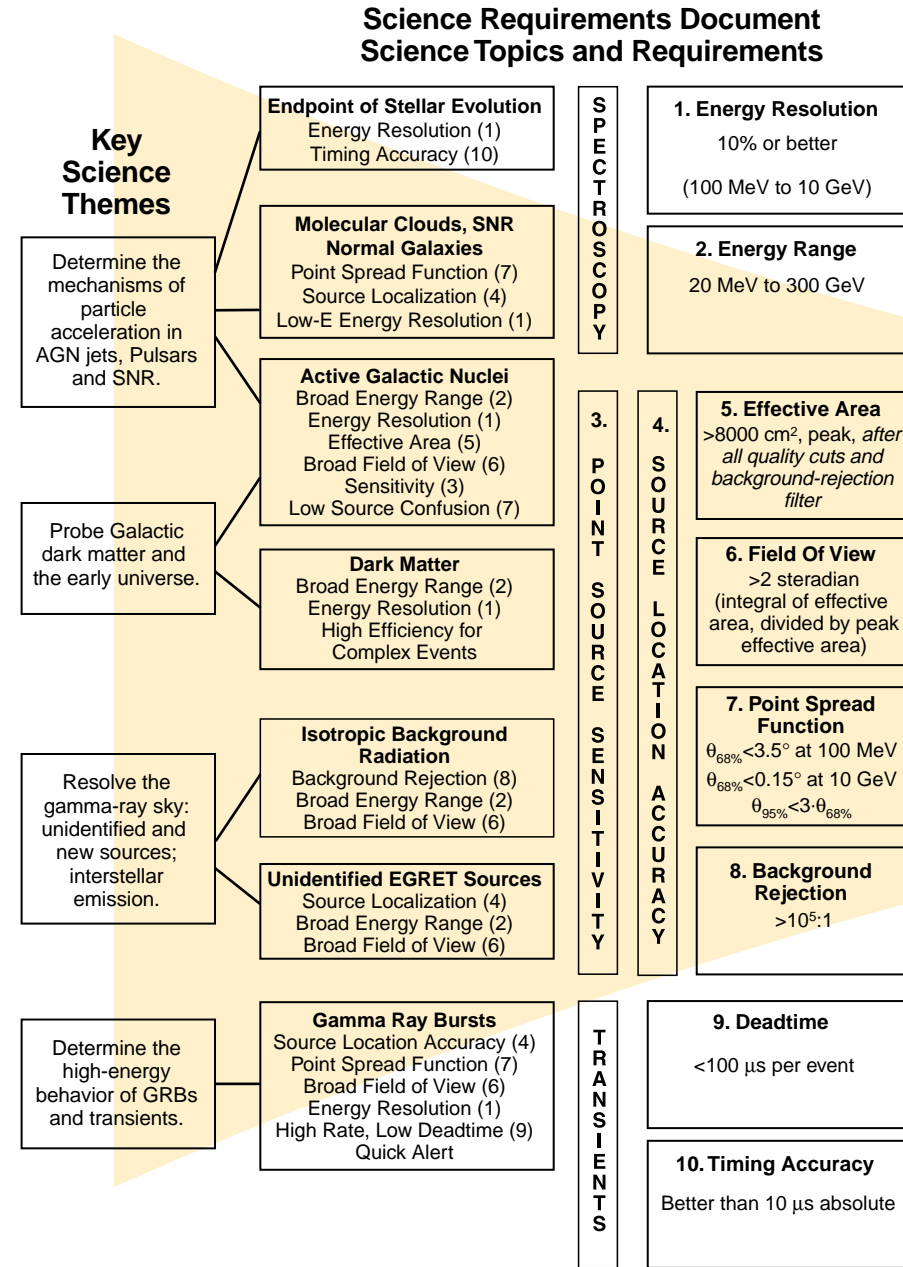
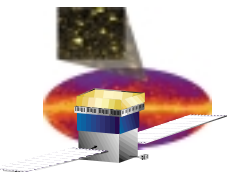
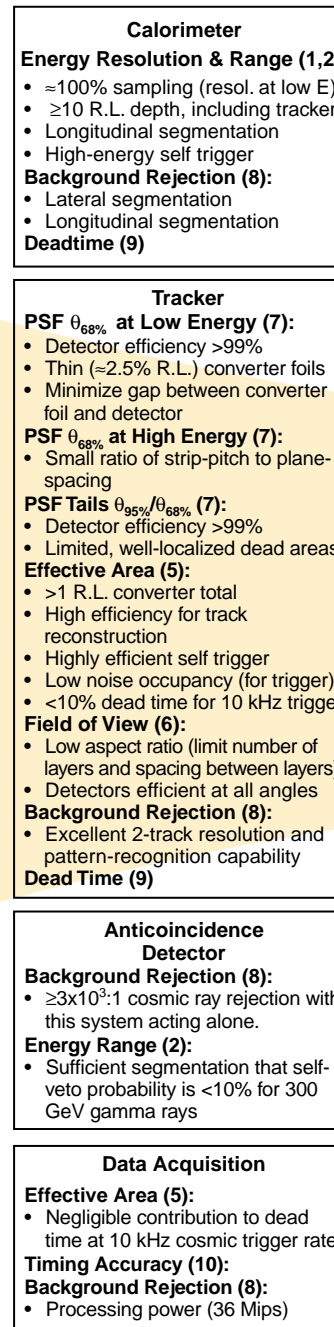


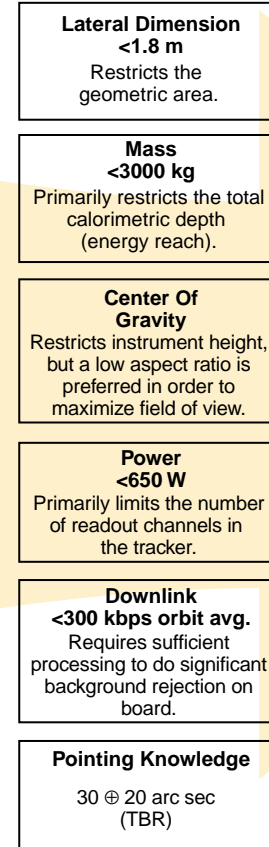
GLAST LAT/Foldout D LAT Traceability Matrix & Block Diagram



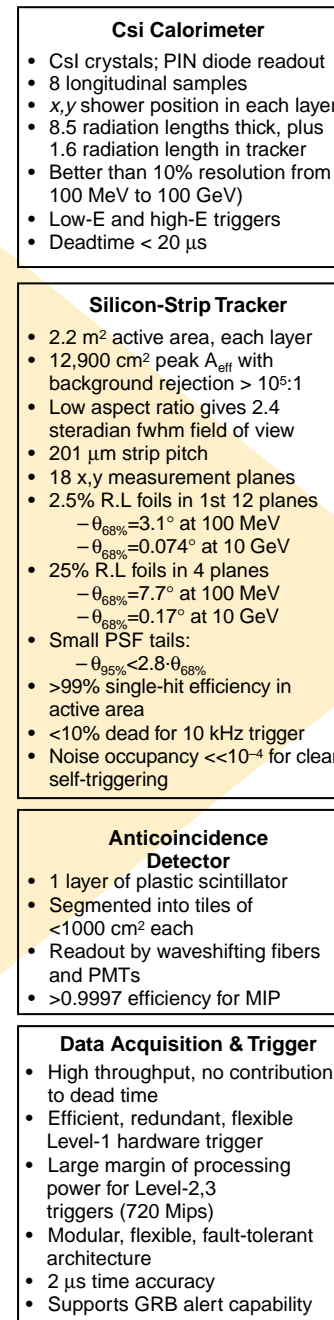
LAT Requirements and Relation to SRD Requirements



SC-SI IRD Instrument Constraints



LAT Design

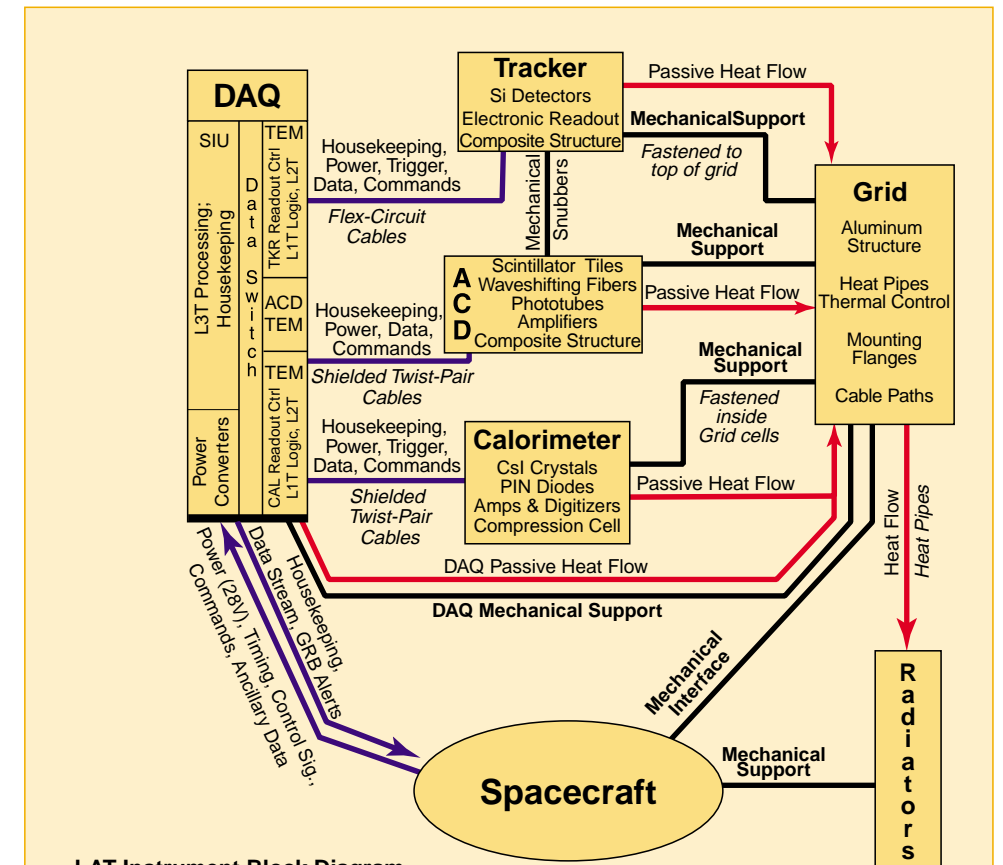


Traceability Matrix and Flowdown from Key Science Themes to the LAT design. The four science themes discussed in Section 2.1 map onto the SRD science topics as illustrated in the first two columns. Requirements from the SRD are numbered 1 through 10, for cross reference with the SRD science topics to the left and the derived LAT requirements to the right. The LAT design, summarized in the final column, is derived from the LAT requirements and the column of constraints from the GLAST SC-SI IRD.

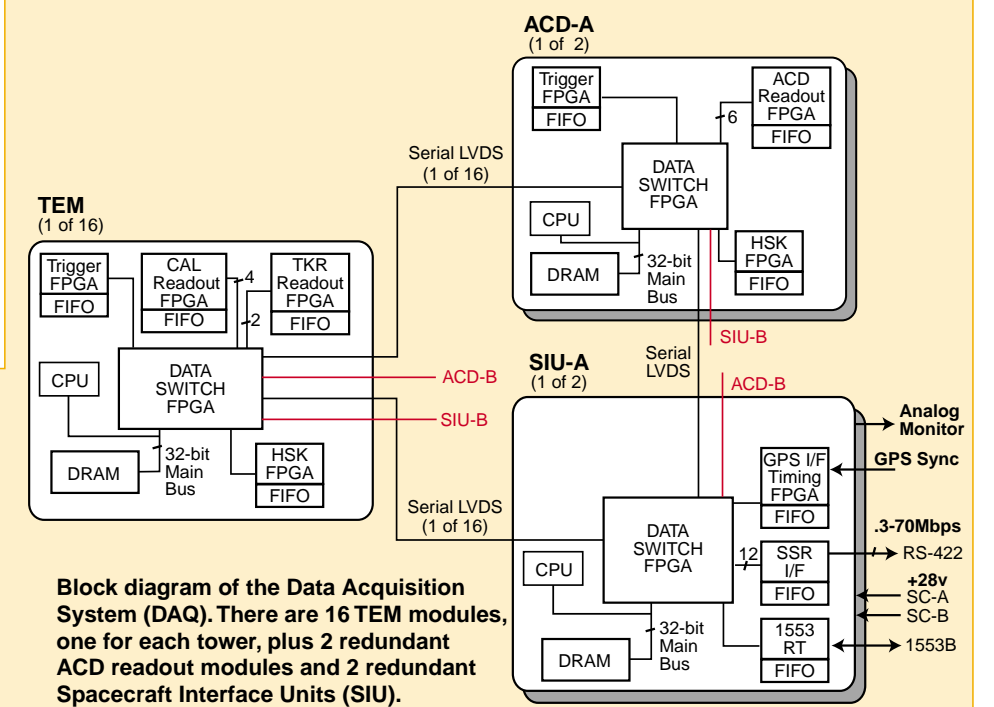
Global LAT Parameters

	Nominal	Reserve*
Lateral Size	1.733 m	
Vertical Size	1.055 m	
C.G. from Interface Plane	23.2 cm	
Mass	2557 kg	377 kg
Power	518 W	121 W
Downlink	100 kbps	100 kbps
Internal Alignment Knowledge & Stability	10 arcsec rms	

*Reserves are discussed in Section 2.2.7.8



LAT Instrument Block Diagram, including internal and external interfaces.



Block diagram of the Data Acquisition System (DAQ). There are 16 TEM modules, one for each tower, plus 2 redundant ACD readout modules and 2 redundant Spacecraft Interface Units (SIU).