The GLAST Large Area Telescope
Data Acquisition in Low Earth Orbit

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The Large Area Telescope (LAT) is the primary instrument on the Gamma Ray Large Area Space Telescope (GLAST), a space based observatory which launched June 11, 2008 and is currently transitioning to nominal science operations. The LAT traces its heritage from the particle physics community and represents a large departure in design and capability from previous space based experiments. The power, communication, and physical access limitations of a space based platform place strict requirements on the design and reliability of the LAT and its Trigger and Dataflow (T&DF) system in particular. I will be reviewing some of the design features of the LAT’s Trigger and Dataflow system and describe its performance in the mission’s early weeks.

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