

## Acronyms and Definitions

<b>3EG</b>	3 <sup>rd</sup> EGRET Catalog
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### A

<b>ACD</b>	Anti-Coincidence Detector
<b>AGN</b>	Active Galactic Nuclei
<b>Ahr</b>	Amp-hour
<b>ATS</b>	Absolute Time Sequence
<b>ATT/ANC</b>	Attitude/Ancillary

### B

<b>BGO</b>	Bismuth Germanate Detectors
<b>Bkg rej</b>	Background rejection

### C

<b>C&amp;A</b>	Calibration and Analysis Methods Groups
<b>CAL</b>	Calorimeter
<b>CCB</b>	Configuration Control Board
<b>CCSDS</b>	Consultative Committee for Space Data Systems; a Spacecraft Packet Telecommand Standard approved by the Consultative Committee for Space Data Systems
<b>CFG</b>	Configuration
<b>CHS</b>	Commanding, Health and Safety
<b>CM</b>	Configuration Management; also: Center of Mass
<b>CMD, Cmd</b>	Command
<b>CMX</b>	CMT (Configuration Management Tool) eXtra
<b>CNE</b>	NASA's Center Network Environment
<b>Config</b>	Configuration
<b>COTS</b>	Commercial Off-the-Shelf
<b>CPU</b>	Central Processing Unit
<b>Csl (TI)</b>	Cesium Iodide crystal doped with Thallium
<b>CU</b>	Calibration Unit
<b>CVS</b>	Concurrent Versions System
<b>CY</b>	Calendar Year

### D

<b>DAQ</b>	Data Acquisition System also: LAT Electronics, Data Acquisition and Flight Software Subsystem
<b>DB</b>	Data Base
<b>DC</b>	Data Challenge
<b>Diag</b>	Diagnostic
<b>Digi</b>	Digitized Event Data
<b>DOE</b>	Department of Energy
<b>DPF</b>	Data Processing Facility
<b>DS</b>	Data Stream

## E

<b>EGRET</b>	Energetic Gamma Ray Experiment Telescope on CGRO
<b>EGSE</b>	Electrical/Electronics Ground Support Equipment
<b>EM</b>	Engineering Model or Electromagnetic
<b>Eng</b>	Engineer/Engineering
<b>EPO, E/PO</b>	Education and Public Outreach
<b>EPU</b>	Event Processing Unit
<b>ETE</b>	End-to-end
<b>ETech</b>	Electrical Technician
<b>EU</b>	Engineering Unit

## F

<b>DFD</b>	Flight Dynamics Facility
<b>FES</b>	Front-End Simulator
<b>FITS</b>	Flexible Image Transport System
<b>FMX</b>	tool for tracking LAT Configuration
<b>FOV</b>	Field of View
<b>FQT</b>	Flight Qualification Testing
<b>FRED</b>	Fox and Ruby Event Display
<b>FSW</b>	Flight Software
<b>FTE</b>	Full Time Equivalent

## G

<b>GASU</b>	Global Trigger, ACD, Signal Distribution Unit
<b>GBM</b>	Gamma-ray Burst Monitor
<b>gcc</b>	GNU Compiler Collection
<b>GCM</b>	GLAST Contingency MOC (Mission Operation Center )
<b>GCN</b>	Gamma-ray Burst Coordinate Network
<b>GD</b>	General Dynamics
<b>GEANT4</b>	Detector description and simulation tool
<b>GeV</b>	10 <sup>9</sup> electron Volts
<b>GFEP</b>	GLAST Front-End Processor
<b>GIOC</b>	GBM Instrument Operations Center
<b>GLAST</b>	Gamma-ray Large Area Space Telescope
<b>GPS</b>	Global Positioning System
<b>GRB</b>	Gamma-ray Burst
<b>GRID</b>	Computing grid
<b>GRT</b>	Ground Readiness Test
<b>GS</b>	Ground Systems
<b>GSFC</b>	Goddard Space Flight Center
<b>GSSC</b>	GLAST Science Support Center

## H

<b>H&amp;S</b>	Health & Safety
<b>HEASARC</b>	High Energy Astrophysics Science Archive Research Center
<b>HEP</b>	High Energy Physics
<b>HK, HSK</b>	Housekeeping
<b>HW, h/w</b>	Hardware

## I

<b>I&amp;T</b>	Integration & Test
<b>ICD</b>	Interface Control Document
<b>IA and DC2 Workshop</b>	Instrument Analysis and Data Challenge 2 Workshop
<b>INFN</b>	Istituto Nazionale Di Fisica Nucleare, (Italy)
<b>ISOC</b>	Instrument Science Operations Center
<b>IS</b>	Instrument Scientist
<b>IT</b>	Information Technology
<b>ITAR</b>	International Traffic in Arms Regulation
<b>ITOS</b>	Integrated Test and Operations System

## J

<b>JIRA</b>	Bug/issue tracking software
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## K

<b>Kbps</b>	Kilobits per second
<b>keV</b>	10 <sup>3</sup> electron Volts
<b>kg</b>	Kilogram
<b>km</b>	kilometer
<b>KSC</b>	Kennedy Space Center
<b>Ku-Band</b>	A range of frequencies in the electromagnetic spectrum, 12 – 18 GHz, primarily used for satellite communications

## L

<b>L&amp;EO</b>	Launch and Early Orbit
<b>L0, L1, L2</b>	Level zero, Level one, Level two
<b>L0P</b>	Level zero Products
<b>LAT</b>	GLAST Large Area Telescope
<b>LATTE</b>	LAT Test Executive
<b>LHK</b>	LAT Housekeeping
<b>LICOS</b>	LAT Instrument Checkout System
<b>LISOC</b>	LAT Instrument Science Operations Center *
<b>LSF</b>	LAT Science Format
<b>LSG</b>	LAT Collaboration Science Groups

## M

<b>m</b>	meter
<b>µm</b>	10 <sup>-6</sup> meter
<b>M&amp;S</b>	Materials & Services
<b>Mbps, Mb/s</b>	Megabits per second
<b>MC</b>	Monte Carlo
<b>MCR</b>	Mobile Computing Rack
<b>MeV</b>	10 <sup>6</sup> Electron Volts
<b>MGSE</b>	Mechanical Ground Support Equipment
<b>MILA</b>	Meritt Island Launch Annex
<b>MOC</b>	Mission Operation Center
<b>MSFC</b>	Marshall Space Flight Center
<b>Mtech</b>	Mechanical Technician

## N

<b>NASA</b>	National Aeronautics and Space Administration
<b>NP</b>	Narrative Procedures
<b>NRL</b>	Naval Research Laboratory
<b>NSSTC</b>	National Space Science and Technology Center

## O

<b>OMB</b>	Office of Management and Budget
<b>Ops</b>	Operations
<b>OSU</b>	The Ohio State University

## P

<b>PDA</b>	Personal Digital Assistant
<b>PDU</b>	Power Distribution Unit
<b>PI</b>	Principle Investigator
<b>PROC</b>	Procedure
<b>PSF</b>	Point Spread Function
<b>PVO</b>	Performance, Verification, and Optimization

## Q

## R

<b>RDBMS</b>	Relational Data Base Management System
<b>Recon</b>	Reconstruction
<b>RMS</b>	Root Mean Square
<b>RPM</b>	RPM Package Manager, a package management system for installing and updating computer software packages
<b>RT</b>	Remote Terminal
<b>RWA</b>	Reaction Wheel Assembly

## S

<b>s</b>	second
<b>S/A Drive</b>	Solar Array Drive
<b>SAA</b>	South Atlantic Anomaly
<b>SAS</b>	Science Analysis Systems
<b>SAS</b>	Science Analysis Software
<b>SASS</b>	Spectrum Astro Space Systems
<b>S-Band</b>	A frequency range from 1.55 – 5.2 GHz used for satellite communication
<b>SCCS</b>	Scientific Computing and Computing Services
<b>SCS</b>	SLAC Computing Services
<b>sec</b>	second
<b>Si</b>	Silicon
<b>SIIS</b>	Spacecraft Simulator
<b>Sim</b>	Simulated
<b>SIRU</b>	Spacecraft Inertial Reference Unit
<b>SIU</b>	Spacecraft Interface Unit
<b>SLAC</b>	Stanford Linear Accelerator Center
<b>SLC</b>	SLAC Linear Collider

Acronyms and Definitions

<b>SNITZ</b>	ASP based bulletin board system
<b>SNR</b>	Super Nova Remnant
<b>SO</b>	Science Operations
<b>SSAC</b>	Senior Scientist Advisory Committee
<b>SSC</b>	Science Support Center
<b>SSD</b>	Silicon Strip Detector
<b>STOL</b>	Systems Test and Operations Language
<b>SU</b>	Stanford University
<b>SVAC</b>	Science Verification, Analysis and Calibration
<b>SW, s/w</b>	Software
<b>SWIFT</b>	Swift Gamma Ray Burst Explorer Mission

**T**

<b>TI</b>	Thallium
<b>T&amp;DF</b>	Trigger and Dataflow
<b>TBD</b>	To Be Determined
<b>TDRSS, TDRS</b>	Tracking and Data Relay Satellite System
<b>Telem</b>	Telemetry
<b>TEM</b>	Tower Electronics Module
<b>TIM</b>	Technical Interface Meeting
<b>TKR</b>	Tracker
<b>TLM</b>	Telemetry
<b>TOO</b>	Target of Opportunity
<b>TPG</b>	Trigger Pattern Generator

**U**

<b>UCSC</b>	University of California at Santa Cruz
<b>UPS</b>	Uninterruptible Power Supply
<b>USN</b>	Universal Space Network

**V**

<b>Verif</b>	Verification
<b>VME</b>	Versa Module Eurocard
<b>VRVS</b>	Virtual Room Videoconferencing System
<b>VSC</b>	Virtual Spacecraft

**W**

<b>WIRED</b>	BaBar event display
<b>WMAP</b>	Wilkinson Microwave Anisotropy Probe