

# Data Catalog Metadata

## System Metadata

All file types have the following built-in metadata.

Field	Type	Description	Notes
runMin	integer	min run number in file's data	
runMax	integer	max run number in file's data	
eventCount	integer	number of events in file	
size	integer	file's size in bytes	
checksum	string	MD5 checksum of file	

## EVIO Files

Each EVIO file in the data catalog *may* have the following metadata values.

Values with a line through them are deprecated and are not set for new datasets (e.g. PhysRun 2016).

Field	Type	Description	Notes
BAD_EVENTS	integer	number of unreadable EVIO events in the file	
BLINDED	integer	1 if file is blinded or 0 if not	
END_EVENT_COUNT	integer	total event count from END record (if exists)	only set for last file in run (if DAQ did not crash!)
END_TIMESTAMP	integer	Unix timestamp of END event	only set for last file in run
FILE	integer	file sequence number	
FIRST_HEAD_TIMESTAMP	integer	timestamp of first head bank in seconds	
FIRST_PHYSICS_EVENT	integer	event ID of first physics event	
<del>FIRST_TL_TIME</del>	integer	first TL time	EngRun2015 files – deprecated for new data
GO_TIMESTAMP	integer	Unix timestamp of GO event	only set for first file in run
LAST_HEAD_TIMESTAMP	integer	timestamp of last head bank in seconds	
LAST_PHYSICS_EVENT	integer	event ID of last physics event	
<del>LAST_TL_TIME</del>	integer	last TL time	EngRun2015 files – deprecated for new data
LED_COSMIC	integer	number of LED_COSMIC triggers	
PHYSICS_EVENTS	integer	number of valid physics events	bad events not counted
PRESTART_TIMESTAMP	integer	Unix timestamp of PRESTART event	only set for first file in run
PAIRS0	integer	number of PAIRS0 triggers	
PAIRS1	integer	number of PAIRS1 triggers	
PULSER	integer	number of PULSER triggers	
SINGLES0	integer	number of SINGLES0 triggers	
SINGLES1	integer	number of SINGLES1 triggers	
<del>TL_TIME_DELTA</del>	integer	delta between TL times	EngRun2015 files – deprecated for new data
TL_TIME_MIN_OFFSET	string	min TL time offset found in this file	stored as string instead of integer due to datacat bug
TL_TIME_MAX_OFFSET	string	max TL time offset found in this file	stored as string instead of integer due to datacat bug
TL_TIME_N_OUTLIERS	integer	number of outlier values for TL time	determines whether TL time offsets are usable or not
TRIGGER_RATE	double	rough trigger rate calculation	only has 1 second time resolution