

gtimerge

January 12, 2017

Abstract

Merge multiple Good-Time-Interval tables into one

$1 \quad Instruments/Modes$

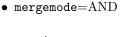
	Instrument	Mode	
all		not applicable	

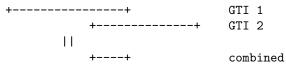
2 Use

pipeline processing	yes	
interactive analysis	yes	

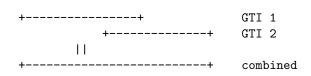
3 Description

gtimerge merges multiple Good-Time-Interval tables into a single one using either of two modes:





 $\bullet \ \mathtt{mergemode}{=}\mathrm{OR}$



XMM-Newton Science Analysis System

Page: 2

4 Parameters

This section documents the parameters recognized by this task (if any).

Parameter	Mand	Type	Default	Constraints

tables	yes	list of ta-	none	length must be greater
		ble spec-		or equal to one; each
		ifiers		specified table must
				exist

This is the list of input GTI tables to be merged.

withgtitable	no	boolean	false	true false

Boolean parameter controlling whether or not the name of the resulting output table is to be explicitly given in parameter gtitable. In the latter case the resulting single GTI table will replace the first input table of tables.

gtitable	no	table	gti.ds:STDGTI	none
		specifier		

The name of the resulting output GTI table - can be the name of an already existing table (which will get overwritten) or the name of a new one in an existing or new data set.

mergemode	no	string	OR	OR AND
	- /			

Parameter determining the merge mode (see above).

	plotmergeresult	no	boolean	false	true false
-	If set to true the individual in	nnut GTIs t	ogether wit	h the resulting GTI from	the merging process will

If set to true the individual input GTIs together with the resulting GTI from the merging process will be visualized with task **dsplot**.

5 Errors

This section documents warnings and errors generated by this task (if any). Note that warnings and errors can also be generated in the SAS infrastructure libraries, in which case they would not be documented here. Refer to the index of all errors and warnings available in the HTML version of the SAS documentation.

NoGtiTables (error)

List of input GTI tables is empty.

EmptyGtiTable (warning)

The output GTI table is empty because one of the input tables in mergemode=AND was empty or all input tables were empty and the mergemode was OR; event list filtering with an empty GTI table will loose all events.

corrective action: none



6 Input Files

 $1.\,$ one or more containing OGIP-compliant GTI tables

7 Output Files

1. Zero or one; in the latter case it contains the merged GTI table

8 Algorithm

Obvious

9 Comments

The functionality of **gtimerge** is similar to that of the FTOOLS task mgtime.

References