omgrismresp

June 2, 2019

Abstract

Prepares OM grism files for spectral fitting

1   Instruments/Modes

OM-Grism

2   Use

pipeline processing	no
interactive analysis	yes

3   Description

This task prepares an OM-grism spectrum for use within an X-ray spectral fitting package such as `xspec`.

It can be used by a command such as:

`omgrismresp inputspec=p0125910501OMS005SPECTR0000.FIT`

where the parameter `inputspec` refers to the OM grism spectrum produced by **omgchain**.

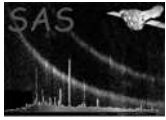# 4   Parameters

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

Parameter	Mand	Type	Default	Constraints
inputspec	yes	dataset		

An OM grism spectral file

outputspec	no	dataset	omgrismspec.pi	

Name of the output spectrum

responsefile	no	dataset	omgrismspec.rsp	

Name of the output response matrix file

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.

WriteError *(error)*
  An error is produced if the task cannot write an output file. Note that the task is not able to overwrite existing files.

6 Input Files

1. OM grism spectrum

7 Output Files

1. An OM grism spectrum in OGIP format

2. An OM grism ponse matrix in OGIP format

8 Algorithm

9 Comments

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References