make_mask

November 4, 2014

Abstract

This task is called by *cheese* in *mode=2* to create a cheese mask from the filtered source list.

1 Instruments/Modes

Instrument	Mode
EPIC	Imaging

2 Use

pipeline processing	no
interactive analysis	yes

3 Description

make-mask is called by *cheese* to create a cheese mask from the filtered source list.

Warning and requirements: *make_mask* is part of the *esas* package integrated into SAS, but it is limited to work within the *esas* data reduction scheme. This is specially true wrt the structure and bames of the input files. In particular, make_mask assumes that another task from the package, *mos-filter* / *pn-filter*, has been successfully run for the exposure to be used.

4 Parameters

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

Parameter	Mand	Type	Default	Constraints
inimage	yes	string	inimage.fit	

Input event image corresponding to the exposure.

inmask	yes	string	inmask.fit	

The exposure mask.

outmask	yes	string	outmask.fit	

Output file name for the cheese mask.

reglist	yes	string	reglist.fit	

The filtered source region list.

clobber	no	boolean	yes	T/F

Clobber existing files?

5 Input Files

User-specified event image, mask, and region list.

6 Output Files

mos*prefix*-`cheese.fits` - The output file name is an input parameter to the program, however as `make_mask` will typically be called by `cheese` or `cheese-bands` the name will be as above where *prefix* is the standard definition (e.g., 1S001 for the MOS1 S001 exposure)

7 Algorithm

8 Comments

References