

make_images_plus

This program produces images by summing the frames of a data cube in some spectral intervals that must be specified by the user. The images are generated with headers, which can be altered using the program “header_correct_plus”. The input parameters for this program are:

imagesnames: name of the file (full path) containing the names of the images (in fits format) to be created. This file must be configured in the following way:

```
image1.fits  
image2.fits  
.  
.  
.  
.  
imagen.fits
```

where image1.fits, image2.fits,... and imagen.fits are the names of the images to be generated by the program

imagesintervals: name of the file (full path) containing the intervals of spectral pixels that will be used to generate the images. This file must have two columns of data, where the first of them shall contain the values of the initial spectral pixels of each interval and the second shall contain the values of the last spectral pixels of each interval. An example of how this file must be configured is given below:

```
initial_pixel_image1  final_pixel_image1  
initial_pixel_image2  final_pixel_image2  
.  
.  
.  
.  
initial_pixel_imagen  final_pixel_imagen
```

Therefore, each line of this file must have a spectral pixels interval that will generate one of the desired images. It's important to mention that these intervals must be ordered in the same manner the corresponding images' names are ordered.

outfolder: directory where ALL the generated images will be saved.

imagesnumber: number of images to be generated by the program.

extension: value of the extension of the data cube that will be used to generate the images. If the cube has just one extension, then it must be taken the value 0 for this parameter.

sizepx_x and sizepx_y: size of the spatial pixels (in arcsec) along the horizontal and vertical axes, respectively. This information will only be used to create the headers of the images generated by the program.

logfile: name of the logfile to be created.

cube: name of the data cube (full path) to be used to generate the images.