
Subject: Re: Processing about 10,000 tif files

Posted by [livingwater000](#) on Wed, 20 May 2015 01:01:43 GMT

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On Tuesday, May 19, 2015 at 6:12:53 PM UTC-4, Helder wrote:

> On Wednesday, May 20, 2015 at 12:03:23 AM UTC+2, Helder wrote:

>> On Tuesday, May 19, 2015 at 11:07:39 PM UTC+2, livingw...@gmail.com wrote:

>>> Dear Gurus,

>>>

>>> I have RGB images in tif format and want to do simple arithmetic calculations.

>>> A big obstacle to me is number of files to be processed, about 10,000 images.

>>> Name of the image files has sequential id such as img_1.tif, img_2.tif,, img_10000.tif.

>>> And I have a text file containing image names, coefficients, and offsets.

>>> I think reading the text file as an array with three columns and lines matching number of files seems to be successful.

>>>

>>> I've tried to read image files with `dialog_pickfile`, but I've learned that the function limits byte length and can't seem to go beyond more than 2,000 files or so.

>>> And I've tried to read image files with `file_search`, but it didn't do calculation in sequential order.

>>>

>>> Would you give some suggestion how to read image files in order, so that following calculation should be in order from 1 to 10,000?

>>> Or a way to do calculation with image name corresponding lines in the text file?

>>>

>>> Thanks in advance,

>>> Kim

>>

>> I've been there before and I see two ways out of this:

>> 1) construct the file array with something like `'img_'+strtrim(indgen(10000)+1,2)+'.tif'`

>> 2) use `file_search` and then sort the file array to have the order you wish

>> 3) read the text file sequentially and process sequentially

>>

>> Option 2) is not easy because the files don't have a format like `img_00001.tif`, otherwise sorting would be easier.

>>

>> Hope it helps.

>> Helder

>

> Brilliant... two ways out in three points. Don't drink and type.

> Helder

Thanks much. will try it shortly and update.

Kim
