
Subject: cropping jpeg image

Posted by [kpaapu123](#) on Wed, 17 Jun 2015 13:44:24 GMT

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i have opened a jpeg image in idl using
tv,image,true=1

now i want to crop only the central region of the sun where sunspots are present.... for these i used the cursor command and placed it in low left and right---got the co-ordinates----and then placed the cursor at right top--got the x and y.....then i used image=image[low x:topx,lowy:topy]

but im not getting the image cropped....instead getting
% subscript range values of the form low:high must be >=0,<size,with low<=high:image

Subject: Re: cropping jpeg image

Posted by [Phillip Bitzer](#) on Wed, 17 Jun 2015 18:46:32 GMT

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On Wednesday, June 17, 2015 at 8:44:26 AM UTC-5, kpa...@gmail.com wrote:

> i have opened a jpeg image in idl using

> tv,image,true=1

>

> now i want to crop only the central region of the sun where sunspots are present.... for these i used the cursor command and placed it in low left and right---got the co-ordinates----and then placed the cursor at right top--got the x and y.....then i used image=image[low x:topx,lowy:topy]

>

> but im not getting the image cropped....instead getting

> % subscript range values of the form low:high must be >=0,<size,with low<=high:image

What are the values for low_x, top_x, etc? What are the dimensions of image?

Subject: Re: cropping jpeg image

Posted by [jimuba](#) on Wed, 17 Jun 2015 23:27:45 GMT

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Considering:

> i have opened a jpeg image in idl using

> tv,image,true=1

This means that the image array is pixel interleaved, with dimensions like:

[3,n,m]

To crop the image you need to specify all three dimension in the array, for example:

```
image=image[*,lowx:topx,lowy:topy]
```

I hope this helps.

-Jim

Subject: Re: cropping jpeg image
Posted by [Shaktivel Pillai](#) on Thu, 18 Jun 2015 04:27:10 GMT
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On Wednesday, June 17, 2015 at 11:46:34 PM UTC+5, Phillip Bitzer wrote:
> On Wednesday, June 17, 2015 at 8:44:26 AM UTC-5, kpaa...@gmail.com wrote:
>> i have opened a jpeg image in idl using
>> tv,image,true=1
>>
>> now i want to crop only the central region of the sun where sunspots are present.... for these i
used the cursor command and placed it in low left and right---got the co-ordinates----and then
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>>
>> but im not getting the image cropped....instead getting
>> % subscript range values of the form low:high must be >=0,<size,with low<=high:image
>
> What are the values for low_x, top_x, etc? What are the dimensions of image?

```
low x=44.53  
low y=359.79  
top x=163.05  
top y=435.64
```

still im not getting the image cropped..please help me in this

Subject: Re: cropping jpeg image
Posted by [Shaktivel Pillai](#) on Thu, 18 Jun 2015 04:27:35 GMT
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On Thursday, June 18, 2015 at 4:27:49 AM UTC+5, jim...@gmail.com wrote:
> Considering:
>
>> i have opened a jpeg image in idl using
>> tv,image,true=1
>
> This means that the image array is pixel interleaved, with dimensions like:
>

> [3,n,m]
>
> To crop the image you need to specify all three dimension in the array, for example:
>
> image=image[* ,lowx:topx,lowy:topy]
>
> I hope this helps.
>
> -Jim

low x=44.53
low y=359.79
top x=163.05
top y=435.64

still im not getting the image cropped..please help me in this

Subject: Re: cropping jpeg image
Posted by [Dick Jackson](#) on Thu, 18 Jun 2015 04:41:15 GMT
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On Wednesday, 17 June 2015 21:27:12 UTC-7, Shaktivel Pillai wrote:
> On Wednesday, June 17, 2015 at 11:46:34 PM UTC+5, Phillip Bitzer wrote:
>> On Wednesday, June 17, 2015 at 8:44:26 AM UTC-5, kpaa...@gmail.com wrote:
>>> i have opened a jpeg image in idl using
>>> tv,image,true=1
>>>
>>> now i want to crop only the central region of the sun where sunspots are present.... for these
i used the cursor command and placed it in low left and right---got the co-ordinates----and then
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>> What are the values for low_x, top_x, etc? What are the dimensions of image?
>
> low x=44.53
> low y=359.79
> top x=163.05
> top y=435.64
>
>
> still im not getting the image cropped..please help me in this

On Wednesday, 17 June 2015 16:27:49 UTC-7, jim...@gmail.com wrote:
> Considering:

>
>> i have opened a jpeg image in idl using
>> tv,image,true=1
>
> This means that the image array is pixel interleaved, with dimensions like:
>
> [3,n,m]
>
> To crop the image you need to specify all three dimension in the array, for example:
>
> image=image[*,lowx:topx,lowy:topy]
>
> I hope this helps.
>
> -Jim

Hi,

May I gently assure you that all three of these are worth your full attention:

- the error message from IDL
- Phillip's *entire* reply to you (both questions--you didn't answer the second one)
- Jim's excellent insight

I'm quite certain that the answer will come when you take all of those to heart.

Cheers,
-Dick

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