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Subject: Re: Get values from one image according to pixel locations of maxima on another image

Posted by [David Fanning](#) on Fri, 21 Dec 2012 14:34:33 GMT

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Dry in water writes:

> I have two tiff images (named A and B). Both have 7 layers at the same dimension (4169,6289,7). First I'd like to find location of max value in A image and then I need to get the values (not max values, reall values) of B image in matrix dimension (4169, 6289) according to location of max value which found from A image in previous step. I just wrote next code to achieve this purpose. Then I wrote output tiff image. But when I display this tiff image, whole screen is black. Can you tell me what's wrong with this code?

> A\_max\_loc=MAX(A,INDEX,DIMENSION=3)

> B\_val=B[INDEX]

> write\_tiff,'D:\Output\_IDL\B\_val\_2000.TIF',B\_val

Let's see if this little experiment sheds any light:

```
IDL> a = [2, 3, 4, 4, 2, 2, 0, 4]
```

```
IDL> maxOfA = Max(a, index)
```

```
IDL> Print, maxOfA
```

```
4
```

```
IDL> Print, index
```

```
2
```

Cheers,

David

--

David Fanning, Ph.D.

Fanning Software Consulting, Inc.

Coyote's Guide to IDL Programming: <http://www.idlcoyote.com/>

Sepore ma de ni thue. ("Perhaps thou speakest truth.")

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Subject: Re: Get values from one image according to pixel locations of maxima on another image

Posted by [Jeremy Bailin](#) on Mon, 24 Dec 2012 03:58:16 GMT

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On 12/21/12 9:05 AM, Dry in water wrote:

> Hello all

>

> I have two tiff images (named A and B). Both have 7 layers at the same dimension (4169,6289,7). First I'd like to find location of max value in A image and then I need to get the

values (not max values, reall values) of B image in matrix dimension (4169, 6289) according to location of max value which found from A image in previous step. I just wrote next code to achieve this purpose. Then I wrote output tiff image. But when I display this tiff image, whole screen is black. Can you tell me what's wrong with this code?

```
> A_max_loc=MAX(A,INDEX,DIMENSION=3)
> B_val=B[INDEX]
> write_tiff,'D:\Output_IDL\B_val_2000.TIF',B_val
>
> Thank you so much
>
```

There's nothing obviously wrong in the code. Might there be NaNs in A? I would suggest taking a small (3x4) corner of the image and examining the values of A, B, and B\_val to see if it appears to be doing what you expect.

-Jeremy.

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