
Subject: Re: image statistics without the NaN

Posted by [David Fanning](#) on Mon, 18 Feb 2008 06:20:54 GMT

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raghuram writes:

> Here's the problem :
>
> I wrote an IDL script to compute basic statistics of a MODIS image
> that i have processed.
> The areas outside my study area have been set to NaN because i don't
> want them to be considered
> while computing statistics in ENVI.
> But, when i use the Image_statistics procedure in IDL, i'm not able to
> ignore the NaN and hence all the
> basic stats show values of NaN(like max=NaN, min= NaN etc..)
>
> Expected result:
> To calculate the true max,min values of the image without considering
> the pixels which are set to NaN.
>
> Anybody has any idea how to go about fixing this problem ? my initial
> thought was to create a NaN mask, but
> i want to get some ideas flowing.

I should think something like this will work:

```
IDL> Image_Statistics, image, Mask=Finite(image), MIN=min, MAX=max
```

Well, except that this program seems strangely written, in that the mask must be a named variable for some reason. So try this:

```
IDL> mask = Finite(image)  
IDL> Image_Statistics, image, Mask=mask, MIN=min, MAX=max
```

Cheers,

David

Cheers,

David

--

David Fanning, Ph.D.

Fanning Software Consulting, Inc.

Coyote's Guide to IDL Programming (www.dfanning.com)

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

Subject: Re: image statistics without the NaN
Posted by [raghuram](#) on Thu, 21 Feb 2008 15:31:57 GMT
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On Feb 17, 10:20 pm, David Fanning <n...@dfanning.com> wrote:

> raghuram writes:

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> David

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> David

> --

> David Fanning, Ph.D.

> Fanning Software Consulting, Inc.

> Coyote's Guide to IDL Programming (www.dfanning.com)

> Sepore ma de ni thui. ("Perhaps thou speakest truth.")- Hide quoted text -

>

> - Show quoted text -

Hi David,

The method worked !

Thanks.

Raghu
