Subject: Re: image statistics without the NaN Posted by raghuram on Thu, 21 Feb 2008 15:31:57 GMT View Forum Message <> Reply to Message

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On Feb 17, 10:20 pm, David Fanning <n...@dfanning.com> wrote:
> 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.")- Hide quoted text -
>
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> - Show quoted text -	
Hi David,	
The method worked!	
Thanks.	
Raghu	