
Subject: Re: Get min and max values from a multiband image according to pixel locations of classification image

Posted by [David Fanning](#) on Sat, 17 Nov 2012 15:53:35 GMT

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David Fanning writes:

```
> class1Pixels = Where(classifiedImage EQ class1, count)
> IF count GT 0 THEN BEGIN
>   class1Min = minImage[class1Pixels]
>   class1Max = maxImage[class1Pixels]
> ENDIF
```

If your images are large, it is often MUCH faster to use the Histogram command to locate classified pixels. Assume, for example, that in your classified image, the three classes are labeled with 1, 2, and 3. Then:

```
h = Histogram(classifiedImage, BinSize=1B, Reverse_Indices=ri)
class1Pixels = Reverse_Indices(ri, 1, COUNT=cnt1)
class2Pixels = Reverse_Indices(ri, 2, COUNT=cnt2)
```

Etc.

You can find Reverse_Indices here:

http://www.idlcoyote.com/programs/reverse_indices.pro

Cheers,

David

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

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