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Subject: Re: Rescaling byte (0-200) ndvi to -1 to 1 values  
Posted by [k.shemsu](#) on Mon, 20 May 2013 12:39:46 GMT  
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On Thursday, July 19, 2012 11:13:32 PM UTC+3, Paul van Delst wrote:

> Hello,

>

>

>

> On 07/19/12 15:19, Narnia wrote:

>

>> Thanks a lot, Paul, that makes sense of course but (I'm a real beginner with IDL), I'm still not sure how I would

>

>> implement that as far as calling in the images and declaring that to run and scale all the images in my folder! :(

>

>

>

> Well, let's assume you already have a function that reads the image data (I can't help with that one). Let's call it

>

> "read\_image" and assume it looks something like:

>

>

>

> FUNCTION Read\_Image, Filename

>

> ...open file...

>

> ...read image data...

>

> RETURN, image\_data

>

> END

>

>

>

> Your scaling function could look like

>

>

>

> FUNCTION Scale\_Image, Input\_Image

>

> output\_image = FLOAT(Input\_Image)

>

> output\_image = (output\_image - 100.0) / 100.0

>

```
> RETURN, output_image
>
> END
>
>
> Then you can loop over your filenames on the command line
>
>
>
> IDL> files = FILE_SEARCH("path/to/data/emodis.filename.*")
>
> IDL> FOR n = 0, N_ELEMENTS(files) DO BEGIN & scaled_image =
Scale_Image(Read_Image(files[n])) & ...display... & ENDFOR
>
>
>
> ?
>
>
>
> cheers,
>
>
>
> paulv
```

Hi Paul,

I have seen your suggestion, but I don't work in IDL. Can you tell me this process in ArcGIS?  
Thank you in advance for your kind support. KS

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