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Subject: Re: Rescaling byte (0-200) ndvi to -1 to 1 values  
Posted by [Paul Van Delst\[1\]](#) on Thu, 19 Jul 2012 20:13:32 GMT  
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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

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