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Subject: Re: Rescaling byte (0-200) ndvi to -1 to 1 values

Posted by [Narnia](#) on Thu, 19 Jul 2012 19:19:47 GMT

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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! :(

On Thursday, July 19, 2012 9:18:39 PM UTC+3, Narnia wrote:

> I'm using the eMODIS 10-day product from the USGS with this description: "MODIS NDVI data are stretched (mapped) linearly (to byte values) as follows:

> [-1.0, 1.0] -> [0, 200]

> Invalid Values: 201 - 255

>

>  $NDVI = (value - 100) / 100$ ; example:  $[(150 - 100) / 100 = 0.5 \text{ NDVI}]$

>

> I am trying thus to scale the data in ENVI just using Band Math [expression:((b1-100)/100)] and all the values I get are 0 across my entire image. Any thoughts as to why?

>

> Secondly, I need to do this for over 400 images; can someone suggest a quick script that can read and scale this data in IDL? I tried 'ScaledImage' but i keep getting errors as well...

>

> Thank you so much!

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