
Subject: Re: Normalize image after running FLAASH
Posted by [pthlien](#) on Wed, 16 Jul 2014 03:28:17 GMT
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On Wednesday, July 16, 2014 12:52:55 AM UTC+12, Josh Sixsmith wrote:

> Well your example of CASE isn't a single value for comparing which CASE to evaluate. You've got an entire array ie "b3 le 0".

>

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>

> Take a look at the example in the help file:

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>

> <http://www.exelisvis.com/docs/CASE.html>

>

>

>

> It's a single evaluation.

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>

> As for other parts of your code.

>

> You've already retrieved the "number of samples (the ns variable)" and the "number of lines" (nl) from you call to "ENVI_FILE_QUERY", so you can probably leave out the lines where you redefine them.

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>

> Also, I may be wrong, but "b1*float(b1)/10000 doesn't sound like normalizing your data. A value of 9000 now becomes 8100. It sounds like you just need to apply a scale factor in which case just do "b1 / 10000.0"

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>

> Back to dealing with your different cases, of "LE 0", "GE 10000" etc, just evaluate the array in a series of complement expressions that account for you different cases.

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>

> result = (b1 le 0) * 0 + (b1 ge 10000) * 10000 + ((b1 gt 0) and (b1 lt 10000)) * (b1 / 10000)

>

>

>

> That might get you what you're after. It'll use a lot of memory in IDL though. Seeing as you're using ENVI try the 'MATH_DOIT' routine, and ENVI will tile your data automatically.

>

>
>
> Hope that helps
>
>
>
> Josh

Thanks Josh so much. It works after I corrected following your advice and the syntax error I got corrected by `br[...] = ...`, not `br(...) =`

Lien
