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Subject: AVHRR Calibration and Georeferencing  
Posted by [vinit11](#) on Fri, 03 Jun 2005 14:13:13 GMT  
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June 3, 2005

Hi,

I have an AVHRR file that I want to first calibrate and then georeference using IDL (and ENVI).

Thanks to the 'envi\_avhrr\_calibrate\_doit' I can input an AVHRR file and get it calibrated. The output of this function is a file of type ENVI.

Now, there is also an 'envi\_avhrr\_geometry\_doit' function that does what georeferencing is needed, however, the input file to that function must be of type AVHRR.

The problem I'm facing is that I cannot input the file that I calibrate using the 'envi\_avhrr\_calibrate\_doit' function (since it is of type ENVI and needs to be of type AVHRR).

I'd be grateful if someone could help me come up with a solution to this problem.

Thanks very much,

Vinit

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Subject: Re: AVHRR Calibration and Georeferencing  
Posted by [Jeff N.](#) on Fri, 03 Jun 2005 19:12:31 GMT  
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I don't know anything about AVHRR processing, but couldn't you georeference before you calibrate? I took a quick look at the geometry doit, and it seems like it just computes some output bands that you'd use to do the georeferencing with, without actually changing the original level 1b image file. So it seems to me you could call the georeferencing doit, then calibrate the input file, then georeference the resulting calibrated image with the output bands of the georeferencing routine.

Jeff

vinit11 wrote:

> June 3, 2005  
>

> Hi,  
>  
> I have an AVHRR file that I want to first calibrate and then georeference  
> using IDL (and ENVI).  
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> Thanks to the 'envi\_avhrr\_calibrate\_doit' I can input an AVHRR file and  
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> I'd be grateful if someone could help me come up with a solution to this  
> problem.  
>  
> Thanks very much,  
>  
> Vinit

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Subject: Re: AVHRR Calibration and Georeferencing  
Posted by [vinit](#) on Thu, 09 Jun 2005 13:07:20 GMT  
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June 9, 2005

Hi Jeff,

Thanks very much for your reply. Sorry for the delay in getting back to you though. I will try out your suggestion and see if that works.

Thanks,

Vinit

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Subject: Re: AVHRR Calibration and Georeferencing  
Posted by [vinit](#) on Thu, 09 Jun 2005 13:45:56 GMT  
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June 9, 2005

Hi Jeff,

I tried georeferencing the original AVHRR file first using the 'envi\_avhrr\_geometry\_doit' function. The problem is that the processed file is of type ENVI. (I wrote a small program to test the type of the output file). So I assume that the 'envi\_avhrr\_geometry\_doit' function changes the file (from AVHRR to ENVI) after processing by default. Maybe there is a way to circumvent this problem but I don't know enough to make that call. The 'envi\_avhrr\_calibrate\_doit' function specifically requires an input file of type AVHRR - so it doesn't process the georeferenced file. In short, I'm back to square one.

Any suggestions or help would be much appreciated.

Thanks,

Vinit

P.S: I'm a programmer - so I don't know anything about AVHRR processing too! :-)

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Subject: Re: AVHRR Calibration and Georeferencing  
Posted by [vinesh](#) on Sat, 11 Jun 2005 07:36:49 GMT  
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Hi Vinit,

I have done elaborated work on AVHRR in IDL. Have u tried IDL. Please send me the full problem and requirement in details

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Subject: Re: AVHRR Calibration and Georeferencing  
Posted by [vinit](#) on Tue, 14 Jun 2005 01:20:52 GMT  
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July 13, 2005

Hi Vinesh,

Sorry for the late reply.

Thanks for your offer to help me out. I finally figured out the problem though.

To answer your question: yes, I am indeed programming in IDL.

Thanks very much,

Vinit

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Subject: Re: AVHRR Calibration and Georeferencing  
Posted by [Robert Moss, PhD](#) on Sat, 19 Dec 2009 20:10:53 GMT  
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On Dec 19, 5:20 am, Susanne Adams <adams.susa...@googlemail.com>  
wrote:

> Hi,  
>  
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> georeference  
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>  
> I'd be grateful if someone could help me come up with a solution to  
> this  
> problem.  
>  
> Susi

envi\_avhrr\_geometry\_doit does not actually georeference the input  
file. You would use envi\_avhrr\_warp\_doit for that purpose. You should  
probably read the documentation more carefully. Put ENVI\_AVHRR\* in the  
search and read about the routines that pop up

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