
Subject: Re: Mosaic_doit in IDL gives a different result than the ENVI mosaic tool
Posted by [David Fanning](#) on Thu, 07 Jan 2010 13:14:48 GMT

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laureroupioz writes:

> I have a question regarding the mosaic_doit command in IDL. I used
> this command to mosaic several images extracted from Modis hdf data
> using the Modis conversion toolkit. In order to valid the result
> obtained using IDL, I mosaicked the same images using the mosaicking
> tool in ENVI. The results are quite similar however the pixel values
> can slightly vary between the two methods. I tried to look at all the
> parameters that can be set in mosaic_doit but I don't understand where
> this difference comes from. When looking closer at the result, the
> pixel size of the 2 outputs is the same however the number of rows and
> columns is different, the mosaic performed in ENVI present one row and
> one column more. Then I assume that the difference comes from a shift
> in pixels due to this lacking column and row. By comparing with the
> original image the result of ENVI seems to be the correct one. Do you
> think the problem could come from the georef_mosaic_setup script? Do
> you know how I could solve this problem in IDL?

I don't know anything about this particular problem, but
it has been my experience with ENVI's mapping routines
that the functionality available through ENVI's GUI can
be different than the functionality available through its
API routines. So much so, that I feel confident in saying
that ENVI doesn't always use its own API. Or, at the very
least, tweaks are made to it that are not available to the
API user. This could be something like that. I've always
found ITTVIS to be responsive to direct inquiries about
this kind of thing.

Cheers,

David

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Coyote's Guide to IDL Programming: <http://www.dfanning.com/>

Sepore ma de ni thui. ("Perhaps thou speakest truth.")
