Subject: Mosaic_doit in IDL gives a different result that the ENVI mosaic tool

Posted by laureroupioz on Thu, 07 Jan 2010 07:22:34 GMT

Hello everybody,

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?

Thank you for your help.
Regards,

Laure