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Subject: Re: IDL ROI Objects

Posted by [David B](#) on Thu, 29 Jan 2015 10:05:17 GMT

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On Wednesday, January 28, 2015 at 7:38:57 PM UTC, David Fanning wrote:

> Fabien writes:

>

>> But for the climate data world, where a lon lat pixel coordinate

>> extracted from NetCDF is located at the center of a grid point (not

>> called "pixel" anymore), the behavior of IDLanROI is quite nice.

>

> Yes, but, of course, when you go to put the result on a map, everything

> gets confused again! When Matt Savoie and I worked together at NSIDC we

> would start out in the morning in complete disagreement and end up in

> the afternoon in complete disagreement, but on the opposite side of the

> argument from where we started! It's confusing. ;-)

>

> Cheers,

>

> David

> --

> David Fanning, Ph.D.

> Fanning Software Consulting, Inc.

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

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

So what may be required is IDL to ask a question on opening:

IDL>Are you looking at the floor or the sky?

This is a most confusing issue and indeed non-intuitive. I think my solution may be satisfactory for the time being. I do apologise for causing such a ruckus. I think I have gained valuable insights into how IDL 'thinks' things should work.

So perhaps a more formal tutorial could be done by the IDL software engineers, as it would clearly be inconvenient for the people looking at the floor or the sky if the ROI objects went one way or the other based on the discussion here. I think I will just have to put up with the pixel shifted FITS convention.

David

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