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Subject: Re: Need GOES Image Expert

Posted by [KRDean](#) on Mon, 17 Mar 2008 22:20:04 GMT

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On Mar 17, 4:06 pm, David Fanning <n...@dfanning.com> wrote:

> David Fanning writes:

>> I suppose I could use the navigation data to establish

>> a limit for a map projection, but what map projection?

>> Satellite? Guess I could try it.

>

> OK, well, I'm in the ballpark with a satellite projection,

> but I'm guessing my satellite is not sitting directly

> over the center of my image. Where is it? How could I

> find out?

>

> ; IDL> help, image

> ; IMAGE BYTE [1200, 862]

>

> ; Corner points.

> ; IDL> print, peru\_lat[0,0], peru\_lat[0, 861],

> ; peru\_lat[1199, 861], peru\_lat[1199,0]

> ; -19.4763 12.9533 12.9516 -19.4735

> ; IDL> print, peru\_lon[0,0], peru\_lon[0, 861],

> ; peru\_lon[1199, 861], peru\_lon[1199,0]

> ; -99.3065 -98.2939 -51.8151 -50.8084

>

> ; right, top, left, bottom of image for LIMIT.

> ; IDL> print, peru\_lat[0,431], peru\_lat[600, 861],

> ; peru\_lat[1199, 431], peru\_lat[600,0]

> ; -3.03467 12.7686 -3.03430 -19.1762

> ; IDL> print, peru\_lon[0,431], peru\_lon[600, 861],

> ; peru\_lon[1199, 431], peru\_lon[600,0]

> ; -97.5755 -75.0291 -52.5294 -75.0302

>

> IDL> Window, XSIZE=1200, YSIZE=862

> IDL> Map\_Set, -3.03449, -75.0296, /Satellite, SAT\_P=[6.5,0.0,0.0], \$

> XMargin=0, YMargin=0, \$

> LIMIT=[-3.0347, -97.5755, 12.7686, -75.0291, \$

> -3.0343, -52.5294, -19.1762, -75.0302]

> IDL> TVIMAGE, image

> IDL> Map\_CONTINENTS

> IDL> MAP\_GRID

>

> Folks, you \*know\* being just a little bit off drives me

> to crazy. Please help. I'm completely out of Xanax.

> All I have left is a box of Viagra, left over from

> Coyote's last tete-a-tete. :-(

>

> Cheers,  
>  
> David  
> --  
> David Fanning, Ph.D.  
> Fanning Software Consulting, Inc.  
> Coyote's Guide to IDL Programming:<http://www.dfanning.com/>  
> Sepore ma de ni thui. ("Perhaps thou speakest truth.")

Provide all for corners as 8 numbers in LIMIT will make some improvements.

From my experience, remapping provides the best results.

Kelly Dean  
Fort Collins, CO

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