
Subject: Re: Need GOES Image Expert

Posted by [David Fanning](#) on Mon, 17 Mar 2008 22:06:49 GMT

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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

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David Fanning, Ph.D.

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

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