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Subject: Re: map\_set stereographic projection  
Posted by [dvila](#) on Thu, 27 Apr 2006 18:51:22 GMT  
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David,

Certainly I started with that link but I couldn't deal with the limit keyword on map\_set routine because the four corners of the image have different latitude and longitude (due to the projection, I supposed). Otherwise, I have all other data (to compare with these ones) in a lat-lon regular grid projection...

You can find an image in

<http://essic.umd.edu/~dvila/ftp/>

It's daily precipitation data (in mm) with 9.999E20 as missing data.  
Thanks again!

Daniel

David Fanning wrote:

> dvila writes:

>

>> I'm trying to deal with a pre-projected polar stereographic image with  
>> this geometrical characteristics:

>>

>> # It is a 1121x881 polar stereographic grid.

>> # Point (1,1) is at 23.117N 119.023W.

>> # Point (1,881) is at 53.509N 134.039W.

>> # Point (1121,1) is at 19.805N 80.750W.

>> # Point (1121,881) is at 45.619N 59.959W.

>> # The y-axis is parallel to 105W.

>> # The resolution is 4.7625km at 60N.

>> # The pole point is (I,J) = (400.5,1600.5)

>>

>> I don't know how may I set the map\_set routine to fit the map with the  
>> data. Is it possible to work with pre-projected data?

>

> On occasion. See, for example:

>

> [http://www.dfanning.com/map\\_tips/georeference.html](http://www.dfanning.com/map_tips/georeference.html)

>

>> On the other hand, can I change the projection to a regular lat-lon  
>> grid in IDL?

>

> Probably not. :-)

>

> I don't know the definitive answers to these questions, but

> I have a reason to find out. Where can I find one of these  
> images you are trying to fit a map projection to?  
>  
> Cheers,  
>  
> David  
> --  
> David Fanning, Ph.D.  
> Fanning Software Consulting, Inc.  
> Coyote's Guide to IDL Programming: <http://www.dfanning.com/>

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