
Subject: how to make a map project in envi
Posted by [stin.wang](#) on Wed, 07 Jan 2009 08:01:17 GMT
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i have there data(latitude,lontitude,and land surface temperature)
how to make it into a envi file(*.img) with map project(albers)

Subject: Re: how to make a map project in envi
Posted by [David Fanning](#) on Wed, 07 Jan 2009 17:55:11 GMT
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stin.wang@gmail.com writes:

> i have there data(latitude,lontitude,and land surface temperature)
> how to make it into a envi file(*.img) with map project(albers)

Well, I think the easiest thing to do would be to make a GeoTIFF image that you could easily read into ENVI. You will have to project your data to create the projected image. If you are familiar with the MAP_PROJ_*** routines, I would use those. Otherwise, you might get away with MAP_PATCH.

You can probably get a start on how to fill out the GeoTiff structure (for this you *will* have to learn how to use the MAP_PROJ_*** routines) by having a look at this article, which uses an Albers map projection:

http://www.dfanning.com/map_tips/tiffoverlay.html

This process is not for the faint of heart, unless someone knows an easier method in ENVI. (I which case, I am all ears, too.)

Cheers,

David

--

David Fanning, Ph.D.
Coyote's Guide to IDL Programming (www.dfanning.com)
Sepore ma de ni thui. ("Perhaps thou speakest truth.")

Subject: Re: how to make a map project in envi
Posted by [stin.wang](#) on Thu, 08 Jan 2009 15:08:59 GMT
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> stin.w...@gmail.com writes:
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my data format is HDF5, in which latitude ,lontitude,and lst were
consisted.

i think there must be some easier way to get my work done,but before i
get some idea about that , i will read your advice first.
thanks for your help.

Subject: Re: how to make a map project in envi
Posted by [Jean H.](#) on Thu, 08 Jan 2009 15:29:31 GMT
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stin.wang@gmail.com wrote:

<n...@dfanning.com> wrote:
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> consisted.
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> get some idea about that , i will read your advice first.
> thanks for your help.

Hi,

not sure if it is exactly what you are looking for, but I found that
writing the header file (for envi files) directly is the easiest way..

Jean

Subject: Re: how to make a map project in envi
Posted by [David Fanning](#) on Thu, 08 Jan 2009 15:58:18 GMT
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Jean H. writes:

> not sure if it is exactly what you are looking for, but I found that
> writing the header file (for envi files) directly is the easiest way..

Perhaps you could outline how to get continental boundaries on an image in ENVI. I've read the documentation on how to do it, and I've tried it. But it takes nearly three minutes to put boundaries on with the GSHHS shoreline dataset (this is nearly instantaneous with IDL), so I'm certain I am not doing it correctly.

Cheers,

David

--

David Fanning, Ph.D.

Fanning Software Consulting, Inc.

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

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Subject: Re: how to make a map project in envi

Posted by [Wasit.Weather](#) on Thu, 08 Jan 2009 18:03:52 GMT

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On Jan 8, 9:58 am, David Fanning <n...@dfanning.com> wrote:

> Jean H. writes:

>> not sure if it is exactly what you are looking for, but I found that

>> writing the header file (for envi files) directly is the easiest way..

>

> Perhaps you could outline how to get continental boundaries

> on an image in ENVI. I've read the documentation on how to

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> 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.")

If it is MODIS data, the easiest way to do it MODIS conversion Toolkit (MCTK).

You can download it here: <http://www.itvis.com/Downloads/toolkits.aspx>

You can run it in batch or in a single mode. MCTK converts your data into Geographic coordinate system, then you can play with it whatever

you want to convert.

Good luck

Subject: Re: how to make a map project in envi

Posted by [David Fanning](#) on Thu, 08 Jan 2009 19:16:39 GMT

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Elkunn writes:

> If it is MODIS data, the easiest way to do it MODIS conversion Toolkit
> (MCTK).
> You can download it here: <http://www.itvis.com/Downloads/toolkits.aspx>
> You can run it in batch or in a single mode. MCTK converts your data
> into Geographic coordinate system, then you can play with it whatever
> you want to convert.

Yes, I am not making myself clear. It is, in fact,
MODIS data I'm trying to display continental outlines
on. I *have* converted the swath data to a projected
data set, I *can* open the file in ENVI, it *is*
georeferenced. It just takes me minutes to display
the data with outlines. I'm looking for a fast way
to do that. :-)

Cheers,

David

--

David Fanning, Ph.D.

Coyote's Guide to IDL Programming (www.dfanning.com)

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

Subject: Re: how to make a map project in envi

Posted by [jeffnettles4870](#) on Thu, 08 Jan 2009 19:59:43 GMT

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On Jan 8, 2:16 pm, David Fanning <n...@dfanning.com> wrote:

> Elkunn writes:
>> If it is MODIS data, the easiest way to do it MODIS conversion Toolkit
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>> You can download it here:<http://www.itvis.com/Downloads/toolkits.aspx>
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> data set, I **can** open the file in ENVI, it **is**
> georeferenced. It just takes me minutes to display
> the data with outlines. I'm looking for a fast way
> to do that. :-)
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> Cheers,
>
> David
> --
> David Fanning, Ph.D.
> Coyote's Guide to IDL Programming (www.dfanning.com)
> Sepore ma de ni thui. ("Perhaps thou speakest truth.")

I'm trying out a few ideas, i'll let you know what i come up with (if anything).

Jeff
