Subject: Re: Using map projections to display images Posted by mgs on Tue, 25 Aug 1998 07:00:00 GMT

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In article <MPG.104c5e642287ecd4989682@news.frii.com>, davidf@dfanning.com (David Fanning) wrote:

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> Sean Rumelhart (seanr@possys.com) writes:
>> I'm trying to take digital air photo data with a known ground sample distance
>> resolution and a single georeference point (taken from a GPS receiver) and
>> display it in an arbitrary map projection. I have looked at the documentation
>> for MAP_SET, MAP_IMAGE, and MAP_PATCH. Using the example provided in the
>> documentation of MAP_PATCH, I have managed to get the image to come up in the
>> right projection, but I am unsure how to keep the resolution of the image the
>> same.
> IDL just doesn't have the capability to display an arbitrary map
> projection on an image. You must do the opposite and display
> an image on an arbitrary map projection. Thus, it is VERY likely that
> the "resolution" of your image is going to change. Just no way
> around it at the moment, I'm afraid, although I do hear from
> several people a month who would like to see this kind of
> functionality.
>
>> Sean P. Rumelhart
                                        Positive Systems, Inc.
>> seanr@possys.com
                                         250 Second St. East
>> PH: 406.862.7745
                                       Whitefish MT 59937
                          ^^^^^
> Is it just my imagination, or is IDL showing up everywhere?!
> Whitefish, Montana is in the heart of God's Country, for goodness
> sake. Can you imagine sitting on the deck writing IDL programs
> with Glacier National Park looming up behind you. If there
> is a clearer vision of heaven on earth, I can't imagine
> what it would be. I'll be taking some time off from this
> newsgroup while I relocate. :-)
>
> Cheers,
> David
```

David, I think I've mentioned my plans to you and a couple other folks in the past. I'm looking at property later this year to do just what you mentioned. There is a company in Helena, MT called KISS that markets solar panels for laptops. Of course, I'll have to tell everyone up there I'm from South Dakota instead of California :-) We may even have to switch our license plates to the South Dakota ones when we hit the border. Damn

California DMV is charging us 10x what South Dakota did for car registration.

Just to keep some relevance to this post, you'll have to use the TriGrid and Triangulate functions to map your data to a map projection.

--

Mike Schienle mgs@ivsoftware.com

Interactive Visuals http://www.ivsoftware.com

Subject: Re: Using map projections to display images Posted by Liam Gumley on Tue, 25 Aug 1998 07:00:00 GMT View Forum Message <> Reply to Message

seanr@possys.com wrote:

- > Does anyone have a good example to display an image warped to an arbitrary map
- > projection? (perfered projection would be transverse mercator)

http://cimss.ssec.wisc.edu/~gumley/imagemap.html may be of use.

Cheers, Liam.

Subject: Re: Using map projections to display images Posted by davidf on Tue, 25 Aug 1998 07:00:00 GMT View Forum Message <> Reply to Message

Sean Rumelhart (seanr@possys.com) writes:

- > I'm trying to take digital air photo data with a known ground sample distance
- > resolution and a single georeference point (taken from a GPS receiver) and
- > display it in an arbitrary map projection. I have looked at the documentation
- > for MAP_SET, MAP_IMAGE, and MAP_PATCH. Using the example provided in the
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> ------

> Sean P. Rumelhart Positive Systems, Inc.

- > seanr@possys.com 250 Second St. East
- > PH: 406.862.7745 Whitefish MT 59937

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Cheers.

David

Subject: Re: Using map projections to display images Posted by mirko_vukovic on Wed, 26 Aug 1998 07:00:00 GMT View Forum Message <> Reply to Message

In article <MPG.104c5e642287ecd4989682@news.frii.com>, davidf@dfanning.com (David Fanning) wrote:

- > Is it just my imagination, or is IDL showing up everywhere?!
- > Whitefish, Montana is in the heart of God's Country, for goodness
- > sake. Can you imagine sitting on the deck writing IDL programs
- > with Glacier National Park looming up behind you. If there
- > is a clearer vision of heaven on earth, I can't imagine
- > what it would be. I'll be taking some time off from this
- > newsgroup while I relocate. :-)

>

... with a grizzly bear looking over your shoulder and admiring the next meal, I mean work. :-)

But no kidding, we spent a couple of days last summer on Flat Head lake and oh, how gorgeous it was (minus the noise of the jet skis off course).

But unfortunately, the only company that deals with semiconductor equipment in Callispel (sp?) was not exactly in need of my expertise.

Mirko

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