
Subject: map_set question

Posted by [gfu](#) on Tue, 09 Jul 1996 07:00:00 GMT

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Hi,

Does anyone know how to decide the default parameter value LIMIT that is used in MAP_SET so that if I use it that will generate the same result as the one that I don't use it. For example, how to find 'limit' so that the following two commands will generate the same results.

```
MAP_SET, 60, 0, /ORTHO, /GRID, /CONTINENT
and
MAP_SET, 60, 0, /ORTHO, /GRID, /CONTINENT, $
    LIMIT=[latmin, lonmin, latmax, lonmax]
```

Thanks.

Gary

Subject: Re: Map_Set Question

Posted by [gennari](#) on Fri, 21 Feb 1997 08:00:00 GMT

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David Fanning (davidf@dfanning.com) wrote:

```
: >
: > map_set,0,180,limit=[-20,-280,55,-100],/cont
: >
```

```
: Humm, I don't find Australia missing in my view. Have you downloaded
: the map fixes from the RSI anonymous ftp site? Go to gateway.rsinc.com.
: I don't know what subdirectory they are in off-hand, but you should
: be able to find them.
```

```
: David
```

Indeed, the patch fixes a problem dating back to 1995 and three IDL versions ago (4.0.1a, 4.0.1b, 4.0.1c).

ftp://gateway.rsinc.com/pub/idl_4.0.1/updates/map_fix/map_fix.tar.Z

Shouldn't this have been included in the latest CDROM releases? The "help yourself to the patch when you stumble on this problem" approach is not what I had in mind when paying the IDL support fees. This should be included in all CDROM distributions of IDL.

I noticed another problem though using map_continents. Try filling the continents using this.

```
map_set,0,180,limit=[-20,-280,55,-100],/cont  
map_continents,/fill
```

This doesn't work. Australia and other Pacific countries get filled in but then parts of the northeast Pacific Ocean get filled in too.
Neat. Sun Solaris 2.5 with IDL 4.0.1c

Does anyone else get the same output?

And RSI charges us outrageous support fees every year....

Scott Gennari

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Dept. of Information & Computer Sciences fax (808) 956 9399
2565 The Mall, Keller 304A
Honolulu, HI 96822 email gennari@Hawaii.Edu

Subject: Re: Map_Set Question
Posted by [gennari](#) on Fri, 21 Feb 1997 08:00:00 GMT
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David Fanning (davidf@dfanning.com) wrote:
: Siri Flocke <siri@siri.acd.ucar.edu> writes:

```
: > map_set,0,180,limit=[-20,-280,55,-100],/cont  
: >  
: > Well, it kind of works, except the outline for Indonesia and Australia are  
: > missing. I do get outlines for some small islands in the South Pacific, but
```

Hi,

```
map_set,0,180,limit=[-20,-280,55,-100],/cont
```

produced the same results as Siri's, no south pacific nations. I just received the latest version on ENVI (2.6) and IDL (4.0.1c) too. I'll look at the patch that David mentioned but I remember installing a similar patch about THREE versions ago. This should have been fixed long ago.

Scott Gennari

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2565 The Mall, Keller 304A
Honolulu, HI 96822 email gennari@Hawaii.Edu

Subject: Re: Map_Set Question
Posted by [davidf](#) on Fri, 21 Feb 1997 08:00:00 GMT
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Siri Flocke <siri@siri.acd.ucar.edu> writes:

> I am trying to create a map from 20S to 55N and from 100E to 100W (across
> the date
> line). After playing around with the limit for Map_Set, I came up with the
> following call:
>
> map_set,0,180,limit=[-20,-280,55,-100],/cont
>
> Well, it kind of works, except the outline for Indonesia and Australia are
> missing. I do get outlines for some small islands in the South Pacific, but
> nothing south of the equator along the left (western) boundary.

Humm, I don't find Australia missing in my view. Have you downloaded
the map fixes from the RSI anonymous ftp site? Go to gateway.rsinc.com.
I don't know what subdirectory they are in off-hand, but you should
be able to find them.

David

David Fanning, Ph.D.
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2642 Bradbury Court, Fort Collins, CO 80521
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E-Mail: davidf@dfanning.com
Coyote's Guide to IDL Programming: <http://www.dfanning.com>

Subject: Re: Map_Set Question
Posted by [Andy Loughe](#) on Mon, 24 Feb 1997 08:00:00 GMT
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Tim Patterson wrote:

>
> Andy Loughe wrote:

>>
>
>> You are preaching to the choir on this one.
>> IDL often behaves worse than freeware we use here.
>> Ya' gotta wonder how happy David Stern is about these results,
>> but what bothers me is that *nothing* ever gets done about it!!!
>>
>
> Perhaps they could email out bug update reports when they
> send out those "Come and Learn IDL With US" flyers every
> few months? Even a section on current bug fixes on their
> web page would be a start.
>
> And while I'm indulging in wishful thinking, perhaps they
> could put up a list of the bug fixes made to Version 5.00 as
> well as the all the new fancy offerings they're pushing.
>
> Tim

You've missed the point.
They don't fix the bugs!

We pay good money for broken software that rarely gets fixed.
RSI is "glitz" happy. "Let's put more functionality into
our product and let the users find work-arounds to old bugs
that are too hard for us to fix. We're too busy to bother."

--

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fax:(303)497-7013

"I do not feel obliged to believe that the same God who has endowed us
with
sense, reason, and intellect has intended us to forego their use."
-Galileo

Subject: Re: Map_Set Question
Posted by [Tim Patterson](#) on Mon, 24 Feb 1997 08:00:00 GMT
[View Forum Message](#) <> [Reply to Message](#)

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Posted by [Andy Loughe](#) on Mon, 24 Feb 1997 08:00:00 GMT
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Scott Gennari wrote:

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> filling the continents using this.
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> in but then parts of the northeast Pacific Ocean get filled in too.
> Neat. Sun Solaris 2.5 with IDL 4.0.1c
>
> Does anyone else get the same output?
>
> And RSI charges us outrageous support fees every year....
>
> Scott Gennari

Yep, I also have this problem with map_set.

You are preaching to the choir on this one.
IDL often behaves worse than freeware we use here.

Ya' gotta wonder how happy David Stern is about these results,
but what bothers me is that *nothing* ever gets done about it!!!

--

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-Galileo

Subject: Re: map_set question
Posted by [Theo Brauers](#) on Thu, 16 Sep 1999 07:00:00 GMT
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Colin Peterson wrote:

>
> If anyone still has the IDL 4.0 User's Guide (1995) please look at page 19-10 to help in
> answering my question here. The picture for the Oblique
> Cylindrical Equidistant map projection interests me because I would like to see both poles.
> I'm using IDL 5.2 on UNIX so that might make a
> difference, but if I type the command on page 19-11:
>
> map_set, 0, 0, 45, LONDEL = 20, LATDEL = 20, \$
> /GRID, /CONTINENT, /CYL, TITLE='...'
>
> to produce this map, it comes up with a simple cylindrical map, but the whole map actually
> rotates 45 degrees, ie the edges of the map are now 45
> degrees from their original horizontal and vertical positions. I would expect the ROT
> value of 45 to create the map on page 19-10 as the book says,
> but it does not. Can anyone explain this discrepancy in the book, and how I can create
> that map on page 19-10? Thanks.
>
> Colin

I dont have IDL 4 on my computer anymore, but I have the manual. I cannot reproduce
Figure 19-4 "oblique.." on WinNT 4.0 / IDL 5.2. Also the "transverse mercator .." one doesnt
work. There is a /TRANSVERSE_MERC keyword, but it doesnt produce Fig 19.4 (upper right).
No idea so far.

Theo

Subject: Re: map_set question

Posted by [Craig Markwardt](#) on Thu, 16 Sep 1999 07:00:00 GMT

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Colin Peterson <cap21@cornell.edu> writes:

>
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> book says, but it does not. Can anyone explain this discrepancy in the
> book, and how I can create that map on page 19-10? Thanks.

I have both the book, IDL 4.0 and IDL 5. Under IDL v4, the commands in book produce the output shown in the book, ie, what appears to be the correct output. IDL v5 does not.

This looks like a bug, although if the RSI people play lawyer-ball it might still be interpreted as correct according to the documentation.

Craig

--

Craig B. Markwardt, Ph.D. EMAIL: craigmnet@cow.physics.wisc.edu
Astrophysics, IDL, Finance, Derivatives | Remove "net" for better response

Subject: Re: map_set question

Posted by [Harald Frey](#) on Thu, 16 Sep 1999 07:00:00 GMT

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Colin Peterson wrote:

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> the book says, but it does not. Can anyone explain this discrepancy
> in the book, and how I can create that map on page 19-10? Thanks.
>

The best I could come up with on IDL 5.1 was

```
map_set, 45, 0., 0, LONDEL = 20, LATDEL = 20, /GRID, $  
  
/CONTINENT, /CYL
```

but one of the pole ends up at the side of the plot.

Even with the limit keyword I could not shift both poles

into the position of figure 19.4.

```
=====
```

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