
Subject: MAP_CONTINENTS procedure

Posted by [Wolfgang Knorr](#) on Tue, 19 Nov 1996 08:00:00 GMT

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Hi,

supposedly, someone has already run into this problem, and possibly it had already been discussed here, but I'd still like to post the following question:

I want to display a global data on a map with the date line in the center, using Mollweide's projection, and continental boundaries. So I do:

```
map_set, /moll, /cont, /hor, 0, 180
```

The result is a little unsatisfactory, since IDL (at least my Mac Version 4.0.1 does) connects lines accross the Greenwich meridian right through my display. The best solution I could find:

```
map_set, /moll, /cont, /hor, 0, 180, limit = [-90, 0.5, 90, 359.5]
```

I do not find this very elegant, because I might miss out some data points. Doing

```
map_set, /moll, /cont, /hor, 0, 180, limit = [-90, 0.1, 90, 359.9]
```

then has some problems similar to the first version.

My question: Does anyone know how to get around this problem?

Thanks a lot.

Wolfgang Knorr

Max-Planck-Institut fuer Meteorologie, Hamburg, GERMANY

Subject: Re: MAP_CONTINENTS procedure

Posted by [Andy Loughe](#) on Wed, 20 Nov 1996 08:00:00 GMT

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Wolfgang Knorr wrote:

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Don't get me started on map_set.

I rely on it and spend a great deal of my time creating "work arounds."

I don't use /cont when calling map_set, I use a home grown procedure
which contours the percentage of a grid box which is land. The
resolution
is .25 degrees by .25 degrees, and works for the mollweide projection.
I can make the source code and data set available to you if you wish.

And don't forget the /isotropic keyword!

You can specify a particular projection, but you won't get
a true projection of that type unless you specify /isotropic!
Figure that one out for me.

BTW: How does this look?

```
map_set, 0, 180, /cyl, limit=[-30,90,30,300], /cont, /iso  
map_continents, /fill
```

Ok, I'll stop there.

> Thanks a lot.

>
> Wolfgang Knorr
> Max-Planck-Institut fuer Meteorologie, Hamburg, GERMANY

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Boulder, CO 80309-0449 "He who laughs last thinks slowest!"
