
Subject: Re: IDL map_set question

Posted by [wmc](#) on Wed, 14 May 1997 07:00:00 GMT

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In article ya023080001305971750250001@news.frii.com, davidf@dfanning.com (David Fanning) instructed:

> Wayne Keith <waynek@spacsun.rice.edu> enquired:

>> I am fairly new to IDL and am having trouble with the map_set function
>> making an orthographic projection.
>> Following the
>> reference guide directions for LIMIT I keep getting floating point
>> errors. Can anyone help?

> Polar orthographic? Auh, oh.

> I tried this and didn't get any errors:

> IDL> Map_Set, /Ortho, 90, 0, /Grid, /Cont, Limit=[30,-180, 90, 180], /Label

This works for me too (of course it does, it comes from DF ;-) You might want to add /iso, too).

However, your problem with FP errors is familiar... I have a slight feeling that is sometimes occurs when you get the SWNE the wrong way round in the limit variable... but I can't reproduce it just now...

...Haha, yes I can. Actually it seems to occur if you make S and N the same. Look:

```
wmc> Map_Set, /Ortho, 90, /Grid, /Cont, Limit=[80,30, 80, 90], /Label,/iso
% Program caused arithmetic error: Floating illegal operand
```

However, this is not a sensible thing to do...

- William
