
Subject: map_set - 8-element limit

Posted by [wmc](#) on Tue, 28 Jul 1998 07:00:00 GMT

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Hello group...

I'm having trouble (idl 5.1; alpha) with map_set limits for 8-element vectors.

```
map_set,lim=[-65,-180, -65,-90, -65,0, -65,90],/grid,/cont,/iso,/ster,-90
```

ought to work (all pts along 65 S, regularly spaced in longitude)
since its a perfectly good square in physical space coordinates.

But it doesn't - I get just a single horizontal line and a divide-by-zero.

I had a quick look at map_set and
just got more confused - it appears to do some convert_coord stuff to work
out what limits to use - but how can it do this *before* the map xform is
established? Maybe I read it wrong.

Whats up?

- William

-----== Posted via Deja News, The Leader in Internet Discussion ==-----

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Subject: Re: map_set - 8-element limit

Posted by [wmc](#) on Mon, 03 Aug 1998 07:00:00 GMT

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>> wmc@bas.ac.uk wrote:

```
>>> map_set,lim=[-65,-180, -65,-90, -65,0, -65,90],/grid,/cont,/iso,/ster,-90
```

```
>>>
```

```
>>> ought to work (all pts along 65 S, regularly spaced in longitude)
```

```
>>> since its a perfectly good square in physical space coordinates.
```

Apologies for following up my own post, but RSI have told me the truth so
I thought I'd share it.

The problem is that, although my points form a square, the first point isn't
the bottom left corner. If I'd written:

```
map_set,lim=[-65,-180, -65,-90, -65,0, -65,90],/grid,/cont,/iso,/ster,-90,-90
```

(making the point (-180,-65) the leftmost point) it would have worked.

Hmmm, well I don't find this a completely satisfactory answer. It seems to me that map_set should be able to take 4 points and sort out for itself which one is bottom left, etc. Otherwise you're forced to do this yourself any time there is any doubt.

- William

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