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Subject: Re: plotting vectors on maps

Posted by [David Fanning](#) on Mon, 17 Jun 2002 16:07:11 GMT

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David Bowman (dbowman@fullerton.edu) writes:

> Hi All. I've been banging my head against the wall trying to get IDL to  
> plot vectors onto a map. VEL, VELOVECT and their cousins work ok,  
> however they all require gridded data. My data are a dozen or so more  
> or less randomly located geographical points with X (East) and Y (North)  
> velocity components. Does anybody have/know of a simple plot routine  
> that accepts U,V,x,y as vectors, rather than 2-D arrays?

VELOVECT doesn't require gridded data. That is the whole point of the optional X and Y vectors. These vectors place the vectors randomly on the plot.

Cheers,

David

--

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Coyote's Guide to IDL Programming: <http://www.dfanning.com/>

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Subject: Re: plotting vectors on maps

Posted by [btupper](#) on Tue, 18 Jun 2002 15:47:35 GMT

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Hello,

The built-in ARROW procedure does just this with a looped call to PLOTS. The code is written to allow you to control the arrow head size and other characteristics.

Ben

On Mon, 17 Jun 2002 08:14:07 -0700, David Bowman  
<dbowman@fullerton.edu> wrote:

> Hi All. I've been banging my head against the wall trying to get IDL to  
> plot vectors onto a map. VEL, VELOVECT and their cousins work ok,  
> however they all require gridded data. My data are a dozen or so more  
> or less randomly located geographical points with X (East) and Y (North)  
> velocity components. Does anybody have/know of a simple plot routine

> that accepts U,V,x,y as vectors, rather than 2-D arrays?

>

> Thanks in advance!

> david

>

> --

> David Bowmman

> Assistant Professor

> Department of Geological Sciences

> California State University, Fullerton

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Subject: Re: plotting vectors on maps

Posted by [jecca.baker](#) on Wed, 23 Mar 2016 18:01:12 GMT

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> The built-in ARROW procedure does just this with a looped call to

> PLOTS. The code is written to allow you to control the arrow head

> size and other characteristics.

>

> Ben

Could arrow be used to plot wind fields? I am struggling with velovect as the arrow size is scaling to wind magnitude and the heads become almost non-existent. I'd like just the length to scale and not the arrow head.

Thanks

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