
Subject: Wind Vectors on maps

Posted by [hcp](#) on Thu, 11 Mar 1999 08:00:00 GMT

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Hi guys:

I sent this to David a day or two ago, but my newsreader was refusing to post at the time. I have now sussed out why.

In article <MPG.114e2ad4bf9741dc989710@news.frii.com>, davidf@dfanning.com (David Fanning) writes:

|> Does anyone have a good program to add wind vectors to maps?
|> I get asked about this a couple of times a week, it seems.
|> I hacked up VELOVECT (or was it VEL?) some time ago to sort of
|> do the job, but I wondered if someone had something more elegant
|> they would be willing to share. I would post it on my web
|> page for all to use.

I needed to do this in the past and did it by altering velovect so that it understood noerase. The only reason velovect doesn't work is that the _EXTRA mechanism is used to hand the same keywords on to plot, plots and oplot. Some keywords which you would want for plot cause plots and oplot to barf. I changed the procedure name to velo to avoid clashes with the official velovect.

I can post my modified copy or send it to David, but I suspect his version is much the same.

It is also worth noting that if you have IDL V5.2 (and possibly earlier versions but I don't think so) then the version of velovect supplied has been fixed so that it works over a map and all this is unnecessary. You can just do (e.g.)

```
IDL> map_set,/conti,/merc  
IDL> velovect,zonw,merw,windlongs,windlats,/overplot
```

(where zonw -> 2D Array of zonal winds
merw -> 2D Array of meridional winds)

|> People will thank you by showering you with cold, hard cash.

Lovely. I'd like used Scottish notes, please.

All the best

Hugh

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