
Subject: Find out which area is covered in a map plot
Posted by [M. Suklitsch](#) on Fri, 12 Mar 2010 15:28:20 GMT
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Hi, everybody!

Once in a while I run into the problem that I want to know which area is actually displayed in a map projection.

For example, I have a Lambert projection displaying Europe and want to plot wind barbs (using Coyote's WINDBARB routine) on top of it. Problem is, the wind data is on a regular grid, which means that at least in the corners (depending on the projection etc.) wind barbs outside the map get plotted (see <http://martin.suklitsch.at/img/1.1999051700.png> for an example of what I mean).

Therefore my question: is there a way to get the outermost lat/lon values of the projection? If I had this information I could use IDLgrROI to obtain the indices within my wind array which are located within the map, set all others to NaN and plot the barbs as usual....

Any help is appreciated!
Best regards,
Martin
