
Subject: Re: map_image and latmin/latmax, lonmin/lonmax - edges or centres?

Posted by [David Fanning](#) on Fri, 27 Sep 2013 21:09:01 GMT

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AMS writes:

> The suggestion that was made to me was to enlarge my array using `congrid()`, so that when my image is plotting, the missing half-pixel border will look smaller. While this may be a workaround from a practical point of view, it feels very kludgy, and I don't think it is entirely satisfactory behaviour for several reasons. So I have also requested that this be considered as a bug in `map_image`, and either fixed, or else add a keyword so that the routine does what would naively be expected.

Yes, this recalls a conversation of my own, in which I pointed out to them that `NLEVELS=12` on the `Contour` command was only producing 9 contour levels. They suggested I use `NLEVELS=14` or `NLEVELS=15`, then. Well, yes, but that kind of "solution" doesn't really inspire a lot confidence in the software, does it.

This, of course, eventually lead to the entire Coyote Library, just because I couldn't stand relaying this incredibly awkward solution to people attending IDL programming classes. And, once I got started I just thought, "Oh, what the hell, as long as I'm fixing this I might as well fix everything that bugs me." :-)

Cheers,

David

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

Sepore ma de ni thue. ("Perhaps thou speakest truth.")
