
Subject: CONTOUR and automatic gridding of irregularly spaced data

Posted by [Karlo Janos](#) on Mon, 24 Jun 2013 13:10:23 GMT

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Hi all,

IDL 8.2.3 provides automatic gridding of irregularly spaced data with the CONTOUR function. Great, I thought in hope to get rid of my CONTOUR plots in direct graphics.

But when I use a CONTOUR function plot combined with a 'Mollweide' MAP projection and CENTER_LONGITUDE=nonzero_value the automatic gridding yields a gap between the -180 and +180 degrees longitudes. The gap exists even though I have used GRID_UNITS='degrees' which should cause the use of the SPHERE keyword as it is stated in the documentation of the CONTOUR function.

The only way to avoid this is manually invoking the gridding routines.

Did I do something wrong?

Or can someone confirm this behaviour?

Thanks and regards

Karlo
