Subject: GRID3
Posted by caylor on Fri, 23 Aug 1996 07:00:00 GMT
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I have been trying to grid a 3D volume of remote sensing data with the GRID3 routine but after several days of struggling with this routine I have come to conclusion that it isn't the most robust part of IDL. When GRID3 does manage to execute without crashing, the resulting grid usually does not resemble the input data. In particular, the input data are semi-randomly distributed with some areas in the volume being extremely densely packed while other areas have few to no data samples. I think more than anything else, this "non-uniform" (for lack of a better description) distribution causes problems for GRID3.

I have adjusted the tolerance parameter up and down but it appears to have no effect. My full data set for a volume runs into the 100k number of samples range, but GRID3 has problems even when I decimate the number of samples into the 10k range.

My questions:

1) Has anyone else run into odd problems with GRID3 crashing?

2) Are there any other 3D gridding routines available, particularly one that allows for missing data like TRIGRID does?

Thanks,
Jeff

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I. Jeff Caylor
Mesoscale Atmos. Processes Branch
NASA/Goddard Space Flight Center
Greenbelt, MD 20771
jeff.caylor@gsfc.nasa.gov
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