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Subject: collapsing 3-d arrays

Posted by [deb](#) on Wed, 10 Jul 1996 07:00:00 GMT

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I have a pretty large 3-D data array (~10 million pts). I'd like to collapse the data and look at a 2-d image that contains the max value encountered along the third coordinate. I can write a nested loop that looks thru the array and pulls out the max data value along the z-axis for each x,y coordinate pair, but that's pretty cumbersome. It seems like IDL should have a built-in function for doing this kind of thing, but i can't seem to find it. The `project_vol` command looks like it might do what i want but i can't seem to convince it to give projections along the (x,y), (x,z) and/or (y,z) planes..it does some weird pseudo-isometric thing. Does anyone have any hints on how to accomplish this efficiently within IDL?

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