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Subject: Fast way to collapse data cube with median  
Posted by [stefan.meingast](#) on Tue, 09 Jul 2013 16:08:31 GMT  
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Hey

I am doing a lot of image processing and very often I have a data cube like with the x/y axes corresponding to image coordinates and the z component corresponding to the individual images.

I simply want to calculate the median at each pixel stack and so far I always loop through all pixels and determine the median for each stack. This, of course, can be quite slow for large images since it involves two loops and I was wondering if someone here might have a fancy idea of how to collapse such a cube faster.

thank a lot  
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