
Subject: Convert pixel coordinates to LAT/LON
Posted by [Gary](#) on Thu, 24 Jan 2008 18:12:14 GMT
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Many apologies for what might be an entirely newbie question, which I am. I am trying to determine the lat/lon of a given position on a radar image. I have the lat/lon of the center point of the image. The image space covers less than a full degree of longitude and covers double the latitude. The difference in the meters/degree of latitude over the range is ~6m, so I linearly scale latitude over the range of pixels. For the longitude, I determine the meters/degree longitude for the given latitude (determine from the linear scaling). I then multiply the pixel coordinates by the meters/degree, and determine the degree offset from the edge of the image and add this to the lat or lon of the edge of the image. I understand all of this might be tedious and better served by using IDL's mapping functions, however, I'm trying to do all of this in as simple a fashion as possible in a GUI I've cobbled together which is already growing. I'm looking for some validation of this as a method that will provide reasonable results. Of course, I recognize I may have failed to supply adequate info, so please let me know if anything else is required. Thanks
