
Subject: Interpolation and Array Subscripting
Posted by [jcreilson](#) on Wed, 20 Feb 2002 03:03:14 GMT
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Hi,

I'm new to the group and I already have a question.
I'm trying to run an interpolation between one array of model-generated latitude/longitude grid points and a second array of gridded ozone values (with lon being along the x and lat being along the y). What I need to do is take the array of grid points of unknown ozone values and interpolate the known ozone values to the unknown ozone grid points. How do I let IDL know the latitude/longitude coordinates of the known ozone values, so when I go and interpolate those ozone values to the unknown ozone value grid points it knows where to look on the data array? The array of known ozone values ranges from a fixed interval of both lat and lons and is 77 (lons) x 34 (lats). I need to have at least 5 places to the right of the decimal since the desired interpolated grid points are model points and will be input with that number to the right. I know this sounds confusing, but it sounds like something IDL should be able to do pretty easily. Let me know if you need any further information and thanks.

Cheers,
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