
Subject: How to Write Data to File with Particular Dimension Values?

Posted by [John Doe](#) on Sat, 02 Jun 2012 17:41:33 GMT

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This is a very basic question but I can't find the answer online.

I have a 2-dimensional (100x100) array holding landcover codes, and I want to write it out to a NetCDF file so that the landcover codes are indexed by lat/lng pairs. Right now I use just a single NCDF_VARPUT and it works except in the resulting NetCDF file the landcover code is indexed from 0 to 99. I guess this is because my IDL array itself is indexed only from 0 to 99, and has no association with lat/lng pairs. How do I write it out so that each array element is associated with a specific lat/lng pair?

My code right now:

```
file_id = NCDF_CREATE('landcover.nc')
NCDF_CONTROL, file_id, /FILL
lng_id = NCDF_DIMDEF(file_id, 'lng', 100)
lat_id = NCDF_DIMDEF(file_id, 'lat', 100)
landcover_id = NCDF_VARDEF(file_id, 'landcover', [lng_id, lat_id], /
SHORT)
NCDF_CONTROL, file_id, /ENDEF
NCDF_VARPUT, file_id, landcover_id, myArray
NCDF_CLOSE, file_id
```

Thanks.
