
Subject: IDL and NetCDF

Posted by on Wed, 13 Jun 2001 10:12:50 GMT

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Is there anyone out there who knows about using NetCDF in IDL programming - or knows anybody who does?

I have recently started using this, and my problems are not answered entirely from the IDL online manuals and the "basic" NetCDF homepage, www.unidata.ucar.edu/packages/netcdf

For instance, I am in doubt about 1) how do I use (and when should I use) unlimited variables, 2) is it possible to use structures as variables, and 3) how do I most properly create my program so that it is easily seen which variables belong together?

I have a long set of observations of radar altimetry measurements of significant wave heights and wind speeds. So all measurements are acquired at different times. One measurement consists of information about acquisition time (year, month, day, decimal hour), lat/lon, SWH, rms of SWH measurement, wind speed and others). Note that some variables are integers, some are doubles/floats - so I cannot just make a DblArr consisting all measurements.

A file consists of several repeated tracks/cycles and the measurements have been put into a grid - therefore several measurements within a file may belong to a certain grid point though their acquisition times are different.

On the other hand, for some grid points there may be no data.

I hope that someone can help me.

Best regards,

Oceanographic Department, Remote Sensing
Royal Danish Administration of Navigation and Hydrography
Overgaden oven Vandet 62B
1023 Copenhagen K
Denmark

Phone: +45 32 68 96 25

Fax: +45 32 57 43 41

E-mail: cls@fomfrv.dk
