

READ_GOLD_NCDF IDL Procedure

```
READ_GOLD_NCDF [,infile] ,data [,gattr=gattr] [,vattr=vattr] [,items=items] [,errmsg=errmsg]
[,nodata=nodata] [,list=list]
```

This procedure reads a netCDF file with the GOLD format and returns a structure with the attributes and a separate structure with the data. If there is only one variable in the file, then an array is returned.

Parameters

infile: in, optional, type=string

Name of file to read in. The user will be prompted for a file if not provided.

data: out, required, type=structure

Data structure generated from the content of the input file.

Keywords

gattr: out, optional, type=structure

Structure returning the GLOBAL attributes from the netCDF file.

vattr: out, optional, type=LIST

LIST returning the VARIABLES attributes from the netCDF file for each variable requested with the "items" parameters or all.

items: in, optional, type=strarr

Use this to specify a list of specific variables to return ignoring all other variables. If empty, will return all variables.

errmsg: out, optional, type=string

Returned string with the error message (empty string if no errors).

nodata: in, optional, type=logical

If flag is set, only the global and variable attributes are returned.

list: in, optional, type=keyword

Use this keyword to return a structure of lists instead of a structure of arrays.

Example

```
IDL> READ_GOLD_NCDF, 'test_file.nc', test_data, gattr=test_gattr
```

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