Subject: Re: NCDF_IS_NCDF
Posted by khyde on Fri, 22 Jan 2016 19:20:21 GMT

On Thursday, January 21, 2016 at 10:26:36 PM UTC-5, Michael Galloy wrote:
> On 1/21/16 1:21 PM, KH wrote:
>> Hello,
>>
>> Is there a netcdf equivalent to HDF_ISHDF? I am basically looking
>> for a way to test if a file is a netcdf file before trying to open
>> the file (and the having the program crash because it isn't actually
>> a netcdf file).
>
> Yes, I would normally recommend just trying to open the file and
> catching the error if it fails, but, as you noted, it actually crashes IDL:
>
> IDL> id = ncdf_open(filename)
> Assertion failed: (0), function NC4_open, file nc4file.c, line 2696.
> Abort trap: 6
>
> Are your files netCDF 4 files? You can use H5F_IS_HDF5 if you don't want
> pre-4 netCDF files:
>
> IDL> help, h5f_is_hdf5(file_which('ncgroup.nc'))
> <Expression>   LONG   =   1
> IDL> help, h5f_is_hdf5(file_which('sample.nc'))
> <Expression>   LONG   =   0
>
>
> Mike
> --
> Michael Galloy
> www.michaelgalloy.com
> Modern IDL: A Guide to IDL Programming (http://modernidl.idldev.com)

These particular files are netcdf4 so I can use the H5f program, but not all of my files are netcdf4
so I was hoping to find a way to automatically test what type of files they are.
Thanks for your assistance,
Kim