On Friday, January 22, 2016 at 2:20:25 PM UTC-5, kimber...@noaa.gov wrote:
> 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

In the end, I am mainly trying to quickly determine if the netcdf files I downloaded are corrupt or
incomplete. That way if they are bad, I can remove them so that they don't crash during
subsequent processing. Currently I am opening the file and then using NCDF_INQUIRE to get
the basic structure information, but if there is an easier way to check the file, I am open for ideas.

Kim