
Subject: Re: Coyote NCDF_FILE object to read HDF
Posted by [David Fanning](#) on Sat, 17 May 2014 12:27:48 GMT
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Edward Hyer writes:

```
> I was very excited to see (years ago now) that you updated your
NCDF_FILE object to read HDF4 as well. The NCDF_BROWSER implements a
"Read Entire File" method which is analogous to (though it may predate)
the H5_PARSE routine. This works like a charm.
>
> However, when I tried to call it without using the GUI, I find that
>
> IDL> sObj=Obj_New('NCDF_FILE',hdf_file)
>
> fails:
> Traceback Report from NCDF_FILE::INIT:
>
> % NCDF_OPEN: Unable to open the file "/aerosol_cal/users/hyer/data/scratch/Matc
> h_Aerosol_MODIS.VIIRS.COLLOC.20130729.201520130729.2015.BLK1 0.8x
> 8.AEROSOL.hdf". (NC_ERROR=-128)
> % Execution halted at: NCDF_FILE::INIT 3229
/shared/aerosol_dev2/users/hyer/calsrc/idlpro/idl_res/coyote /ncdf_file__define.pro
> % $MAIN$
> % Compiled module: CGROOTNAME.
>
>
> Is there a trick to making something like this happen for HDF files:
>
> sObj = Obj_New('NCDF_FILE',hdf_file)
> allData = ncdfObject -> ReadFile(filename)
```

The ability to read HDF files is built into the NCDF_DATA object (a precursor to the NCDF_FILE object). You want this:

```
sObj = Obj_New('NCDF_DATA',hdf_file)
```

The methods are similar, but less powerful. I wrote NCDF_FILE specifically because I was working with netCDF files at the time and needed a more robust object for them specifically.

Cheers,

David

--

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Coyote's Guide to IDL Programming: <http://www.idlcoyote.com/>
Sepore ma de ni thue. ("Perhaps thou speakest truth.")
