Subject: Coyote NCDF_FILE object to read HDF
Posted by MarioIncandenza on Sat, 17 May 2014 00:17:16 GMT
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David,

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)

--Edward H.