
Subject: Re: frustrated by hdf_sd_adddata

Posted by [Liam E. Gumley](#) on Thu, 15 Mar 2001 18:52:49 GMT

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George McCabe wrote:

- > attempting to replace a subset of existing data in an HDF SD, using
- > idl procedure hdf_sd_adddata, receive the following error which i can
- > not readily diagnose -
- > % HDF_SD_ADDDATA: Unable to write the specified HDF-SD slice.
- >
- > hdf opens, sd starts /RDWR ok, sd selected ok
- > i have verified the size and order of the data variable, count and
- > start keyword variables.

George,

Does the following example work on your system?

```
hdfid = hdf_sd_start('test.hdf')
varid = hdf_sd_create(hdfid, 'data', [256, 256], /float)
hdf_sd_adddata, varid, dist(256)
hdf_sd_endaccess, varid
hdf_sd_end, hdfid
```

If it does, the HDF interface on you platform is working. You might be having a problem with the definition of the START and COUNT keywords. The following is from the IDL 5.3 online documentation:

---begin quote---
START

Set this keyword to a vector that contains the starting position for the data. The default position is [0, 0, ..., 0].

COUNT

Set this keyword to a vector of counts (i.e., the number of items) to be written in each dimension. The default is to write all available data.

STRIDE

Set this keyword to a vector that contains the strides, or sampling intervals, between accessed values of the NetCDF variable. The default stride vector is that for a contiguous write: [0, 0, ..., 0].

---end quote---

I'd try and reduce the code to the smallest number of lines which reproduces the error. This process often makes the source of the error

obvious.

Cheers,

Liam.

<http://cimss.ssec.wisc.edu/~gumley>
