## Subject: help, cannot create hdf-sd string array variable Posted by R.G. Stockwell on Thu, 06 Mar 2003 16:43:28 GMT

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Hopefully someone can give me a quick pointer.

(as a favor) I am transferring data written in idl, to another computer to be read by matlab. I chose hdf to make it "easier". I don't actually know any hdf, hence the question.

My problem is that I create 3 arrays in the hdf file, one of which is a 2D string array. When I try to write it (string array), I get the follow error message:

% HDF\_SD\_ADDDATA: Cannot write 13 elements. The data area is not that big. % Execution halted at: HDF\_RADAR\_WRITE

Here is the relevant code:

..... snip ......

headersize = size(header\_array)

sds\_header\_id=HDF\_SD\_CREATE(sd\_id,'Header',[headersize[1],he adersize[2]],/string)

HDF\_SD\_SETINFO,sds\_header\_id,LABEL='header thing', \$

UNIT='nadda'

: Write labels to each of the dimensions

HDF\_SD\_DIMSET,HDF\_SD\_DIMGETID(sds\_header\_id,0),NAME='headwid e',LABEL='label head tall'

HDF\_SD\_DIMSET,HDF\_SD\_DIMGETID(sds\_header\_id,1),NAME='headtal l',LABEL='label head tall'

; Create and write the data

HDF\_SD\_ADDDATA, sds\_header\_id, header\_array

; Done Close down the SDS

HDF\_SD\_ENDACCESS,sds\_header\_id

..... snip ......

Now, when I change this (header\_array and the sd\_create call) to float (for instance) everthing works fine.

So what is the problem with this? It seems specific to the string variable type.

Where does "13 elements" come from?

Note: header\_array = string(findgen(10,2)+100)

Chees,

bob stockwell