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Subject: Set map projection information to a dataset, ERROR, Please

Posted by [Hu](#) on Fri, 09 Jan 2009 19:18:30 GMT

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Hi, there

I have got a 2-D array (eg. image[4000,4000] ), the data type is float, this array could be visualized by ENVI / open image files, but there is no map information in "available bands list". So I want to set some kinds of map projection information to this dataset, for example Albers Conical Equal Area map projection, the central point would be N 20, W 35.

after I use these functions to add projection information (included in a Header file) to a disk file, I can not load the disk file in ENVI (from available bands list), the error information is "the array has too many elements" and when I check the cursor location / value, I found that the value is not the content of the array. I suppose the value is DN but not the VALUE of the image(array). But I can check the dataset array by using HDF Explorer, can someone tell me the reason?

ps: the code I use to add map projection information is:

-----code begin

```
ENVI_OPEN_FILE,'E:\My Documents\Data\test
\ia07nass_cdl_reSize_231_resample',R_FID=cdlFID
PROJ_STRUCTURE = ENVI_GET_PROJECTION(FID=cdlFID)
MC=[0.0,0.0,-7783644.6621,4846534.2049]
PROJ=PROJ_STRUCTURE
PS=[231.65671784,231.65671784]
ROTATION=0.0
UNITS=ENVI_TRANSLATE_PROJECTION_UNITS('Meters')
MAP_INFO_STRUCTURE=ENVI_MAP_INFO_CREATE
(MC=MC,PROJ=PROJ,PS=PS,ROTATION=ROTATION,UNITS=UNITS)
```

```
ENVI_SETUP_HEAD,DATA_TYPE=4,FNAME=FILE_PATH_1+'NDVIFILE_'+DATA_ID[i]
+'.HDF',$
INTERLEAVE=0,NB=1,NL=1511,NS=2302,OFFSET=0,MAP_INFO=MAP_INFO_STRUCTURE,
$
/write,/open
-----code end
```

Thank you

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