
Subject: Question regarding Envi_convert_file_map_projection

Posted by [None\[1\]](#) on Fri, 20 Mar 2009 20:42:09 GMT

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Hi I am trying to change the projection of the file from EASE-Grid
Equal Area cylindrical to geographic by using the following:

```
o_proj = envi_proj_create(/geographic)
```

```
envi_convert_file_map_projection, fid=fid, $  
pos=pos, dims=[-1l, 0, 1382, 0, 585], o_proj=o_proj,  
$,o_pixel_size=o_pixel_size,$  
out_name=out_name
```

Even though I am explicitly specifying the dims size, the number of
samples and Lines changes from 1383, 586 to 1598, 754 in the output
file.

Is there a way to avoid this?

Please Advise

The header info of Input file is as follows

```
ENVI  
description = {  
  File Imported into ENVI.}  
samples = 1383  
lines   = 586  
bands   = 1  
header offset = 0  
file type = ENVI Standard  
data type = 12  
interleave = bsq  
sensor type = Unknown  
byte order = 0  
map info = {EASE-Grid Global, 1.5000, 1.5000, -17321659.7750,  
7332251.0625, 2.5067525000e+04, 2.5067525000e+04, WGS-84,  
units=Meters}  
projection info = {99, 6371228.0, 6371228.0, 0.000000, 0.000000, 0.0,  
0.0, 30.000000, EASE-Grid Global, WGS-84, User Proj Cylind Equal Area,  
units=Meters}  
wavelength units = Unknown
```

The header info of output file is as follows

```
ENVI  
description = {
```

File map projection conversion result.Method: 1st degree RST w/
nearest
neighbor [Fri Mar 20 15:48:40 2009]}
samples = 1598
lines = 754
bands = 1
header offset = 0
file type = ENVI Standard
data type = 12
interleave = bsq
sensor type = Unknown
byte order = 0
map info = {Geographic Lat/Lon, 1.0000, 1.0000, -179.99999578,
86.71674408, 2.2518540843e-001, 2.2670304577e-001, WGS-84,
units=Degrees}
wavelength units = Unknown

Thanks & Regards,
Rajesh
