Subject: display GeoTIFF image automatically using cgGeoMap
Posted by Libo Wang on Mon, 03 Oct 2016 19:10:17 GMT

Hi all,

I just found out that David has added some nice routines to display a GeoTIFF easily. So I thought I could just copy over his example lines at the end of this link and give a try:
http://www.idlcoyote.com/map_tips/tiffoverlay.html,

```
filename = 'AF03sep15b.n16-VIg.tif'
cgDisplay, 500, 500, WID=5, Title='Outline cgMap Object', $
  XPOS=50, YPOS=50
alberMap = cgGeoMap(filename, IMAGE=tiffImage, /OnImage)
scaled = BytScl(tiffImage, Top=253)+1
index = Where(scaled EQ 1)
scaled[index] = 0B
TVLCT, cgColor('ivory', /Triple), 0
cgLoadCT, 33, NColors=253, Bottom=1
cgImage, scaled, POSITION=pos, /KEEP_ASPECT
```

However,I got the following syntax errors when compile:
alberMap = cgGeoMap(filename, IMAGE=tiffImage, /OnImage)
                                ^
% Syntax error.

This is probably quite obvious to you, but I have never used Object graphics in IDL before. Can somebody point out why I get the syntax error?

Thanks in advance!
Jenny

Subject: Re: display GeoTIFF image automatically using cgGeoMap
Posted by wlandsman on Tue, 04 Oct 2016 01:52:59 GMT

That is the syntax error one gets when IDL doesn't know about a function, i.e. the function is not in your !path or in the current directory.   Are you sure you have the Coyote library in your !PATH ?
What happens when you type

IDL> print,file_which('cggeomap.pro')

 -- Wayne

On Monday, October 3, 2016 at 3:10:40 PM UTC-4, Jenny wrote:
> Hi all,

>
> I just found out that David has added some nice routines to display a GeoTIFF easily. So I thought I could just copy over his example lines at the end of this link and give a try: http://www.idlcoyote.com/map_tips/tiffoverlay.html,
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>   cgDisplay, 500, 500, WID=5, Title='Outline cgMap Object', $
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>   cgImage, scaled, POSITION=pos, /KEEP_ASPECT
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>
> However,I got the following syntax errors when compile:
> alberMap = cgGeoMap(filename, IMAGE=tiffImage, /OnImage)
>   ^
> % Syntax error.
>
> This is probably quite obvious to you, but I have never used Object graphics in IDL before. Can somebody point out why I get the syntax error?
>
> Thanks in advance!
> Jenny

Subject: Re: display GeoTIFF image automatically using cgGeoMap
Posted by Libo Wang on Tue, 04 Oct 2016 13:36:07 GMT

On Monday, October 3, 2016 at 9:53:02 PM UTC-4, wlandsman wrote:
> That is the syntax error one gets when IDL doesn't know about a function, i.e. the function is not in your !path or in the current directory.   Are you sure you have the Coyote library in your !PATH ?   What happens when you type
>
> IDL> print,file_which('cggeomap.pro')
>
> -- Wayne
>
> On Monday, October 3, 2016 at 3:10:40 PM UTC-4, Jenny wrote:
>> Hi all,
>>
>> I just found out that David has added some nice routines to display a GeoTIFF easily. So I thought I could just copy over his example lines at the end of this link and give a try: http://www.idlcoyote.com/map_tips/tiffoverlay.html,

```
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>>    filename = 'AF03sep15b.n16-VIg.tif'
>>    cgDisplay, 500, 500, WID=5, Title='Outline cgMap Object', $
>>      XPOS=50, YPOS=50
>>    alberMap = cgGeoMap(filename, IMAGE=tiffImage, /OnImage)
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>>    index = Where(scaled EQ 1)
>>    scaled[index] = 0B
>>    TVLCT, cgColor('ivory', /Triple), 0
>>    cgLoadCT, 33, NColors=253, Bottom=1
>>    cgImage, scaled, POSITION=pos, /KEEP_ASPECT
>>
```
>> Thanks! Wayne. You're right. We just moved to a new server, I thought the library was all set but it didn't!

Jenny

>> However,I got the following syntax errors when compile:
>> alberMap = cgGeoMap(filename, IMAGE=tiffImage, /OnImage)
>>   ^
>> % Syntax error.
>>
>> This is probably quite obvious to you, but I have never used Object graphics in IDL before. Can somebody point out why I get the syntax error?
>>
>> Thanks in advance!
>> Jenny