Subject: Creating KML error
Posted by natha on Wed, 15 Jul 2015 13:38:01 GMT
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Hi guys,

What am I doing wrong:

```
  plot=plot([!values.f_nan],[!values.f_nan], xrange=[-50,-40], yrange=[70,80])
  ax = plot.axes
  ax[0].hide = 1
  ax[1].hide = 1
  ax[2].hide = 1
  ax[3].hide = 1

   poly=polygon([-47,-43,-43,-47,-47],[72.5,72.5,77.5,77.5,72.5 ],/data,color='black')
  poly.save, 'square.kml'

% SAVE: Error writing file Expression must be a structure in this context:
                        SMAP.
```

Even when I try "plot.save, 'square.kml'" I get the same error...

```
help, !version, /str
** Structure !VERSION, 8 tags, length=104, data length=100:
   ARCH            STRING    'x86_64'
   OS              STRING    'linux'
   OS_FAMILY       STRING    'unix'
   OS_NAME         STRING    'linux'
   RELEASE         STRING    '8.4'
   BUILD_DATE      STRING    'Sep 27 2014'
   MEMORY_BITS     INT             64
   FILE_OFFSET_BITS
                   INT             64
```

Thank you in advance for your help,
nata

Subject: Re: Creating KML error
Posted by Michael Galloy on Wed, 15 Jul 2015 18:49:22 GMT
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On 7/15/15 7:38 AM, nata wrote:
> Hi guys,
>
> What am I doing wrong:
>

> plot=plot([!values.f_nan],[!values.f_nan], xrange=[-50,-40], yrange=[70,80])
> ax = plot.axes
> ax[0].hide = 1
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>
> poly=polygon([-47,-43,-43,-47,-47],[72.5,72.5,77.5,77.5,72.5],/data,color='black')
> poly.save, 'square.kml'
>
> % SAVE: Error writing file Expression must be a structure in this context:
> SMAP.
>
> Even when I try "plot.save, 'square.kml'" I get the same error...
>
> help, !version, /str
> ** Structure !VERSION, 8 tags, length=104, data length=100:
> ARCH STRING 'x86_64'
> OS STRING 'linux'
> OS_FAMILY STRING 'unix'
> OS_NAME STRING 'linux'
> RELEASE STRING '8.4'
> BUILD_DATE STRING 'Sep 27 2014'
> MEMORY_BITS INT 64
> FILE_OFFSET_BITS
> INT 64
>
> Thank you in advance for your help,
> nata

I'm not sure, but it would make sense to me if KML/KMZ output was only
available from MAP.

In any case, a better error message would be useful.

Mike
--
Michael Galloy
www.michaelgalloy.com
Modern IDL: A Guide to IDL Programming (http://modernidl.idldev.com)

Subject: Re: Creating KML error
Posted by chris_torrence@NOSPAM on Mon, 20 Jul 2015 18:20:56 GMT
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On Wednesday, July 15, 2015 at 12:49:26 PM UTC-6, Michael Galloy wrote:
> On 7/15/15 7:38 AM, nata wrote:

>> Hi guys,
>>
>> What am I doing wrong:
>>
>> plot=plot([!values.f_nan],[!values.f_nan], xrange=[-50,-40], yrange=[70,80])
>> ax = plot.axes
>> ax[0].hide = 1
>> ax[1].hide = 1
>> ax[2].hide = 1
>> ax[3].hide = 1
>>
>> poly=polygon([-47,-43,-43,-47,-47],[72.5,72.5,77.5,77.5,72.5],/data,color='black')
>> poly.save, 'square.kml'
>>
>> % SAVE: Error writing file Expression must be a structure in this context:
>>   SMAP.
>>
>> Even when I try "plot.save, 'square.kml'" I get the same error...
>>
>> help, !version, /str
>> ** Structure !VERSION, 8 tags, length=104, data length=100:
>> ARCH STRING 'x86_64'
>> OS STRING 'linux'
>> OS_FAMILY STRING 'unix'
>> OS_NAME STRING 'linux'
>> RELEASE STRING '8.4'
>> BUILD_DATE STRING 'Sep 27 2014'
>> MEMORY_BITS INT 64
>> FILE_OFFSET_BITS
>> INT 64
>>
>> Thank you in advance for your help,
>> nata
>
> I'm not sure, but it would make sense to me if KML/KMZ output was only
> available from MAP.
>
> In any case, a better error message would be useful.
>
> Mike
> --
> Michael Galloy
> www.michaelgalloy.com
> Modern IDL: A Guide to IDL Programming (http://modernidl.idldev.com)

Okay, this is now fixed. If you want to apply the patch yourself, just open up
lib/itools/components/idlitwritekml__define.pro

Around line 825, change:
```
  if(~isZ) then begin
```
to:
```
  if(~isZ && N_TAGS(sMap) gt 0) then begin
```

Then, around line 883, change:
```
      ppoints[*,i] = points[*,conn[npoints+i+1]]
```
to:
```
      ppoints[*,i] = points[0:isZ ? 2 : 1,conn[npoints+i+1]]
```

That's it! Now I have a nice square polygon in the middle of Greenland.

Cheers,
Chris
