
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
> 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')
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> % SAVE: Error writing file Expression must be a structure in this context:
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>
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>
> 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
