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Subject: Error with MapProjection::Forward

Posted by [atmospheric physics](#) on Wed, 27 Nov 2013 11:17:56 GMT

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Hello,

Following the example at <http://www.exelisvis.com/docs/ImageWithMapProjection.html>

I have prepared the following IDL program for my requirement:

```
;-----
PRO MELPITZ_GOOGLE_PLOT

CLOSE,/ALL

; DOWNLOAD A MAP
url = "http://maps.googleapis.com/maps/api/staticmap?" + $
      "center=51.525517,12.927633&zoom=14&size=600x600" + $
      "&maptype=satellite&sensor=true"

netObject = IDLnetURL()
!null = netObject.Get(URL=url, FILENAME="melpitz.png")
netObject = 0

; Load the newly created file
READ_PNG, "melpitz.png", img

; DISPLAY THE MAP IMAGE WITH THE MAP PROJECTION

centerLon = 12.927633D
centerLat = 51.525517D
zoom = 14
Re = 6378137D ; Radius of the Earth
resolution = (2*!DPI*Re)/(256*2D^zoom) ; meters/pixel
PRINT, resolution

; The image is 600 pixel wide by 600 pixel tall
deltax = 600*resolution ; meters
deltay = 600*resolution ; meters

; Convert the map center to spherical Mercator coordinates
; Create a hidden map object to do the conversions.
m = MAP('Mercator',/BUFFER, $
      SEMIMAJOR_AXIS=6378137D, SEMIMINOR_AXIS=6378137D)
uv = m.Forward(centerLon, centerLat)

; Compute the image bounding box in spherical Mercator coordinates
x0 = uv[0] - deltax/2 ; meters
```

```
x1 = uv[0] + deltax/2 ; meters
y0 = uv[1] - deltay/2 ; meters
y1 = uv[1] + deltay/2 ; meters
m.Close
```

```
PRINT, [x0, y0, x1, y1]
```

```
END
```

```
; -----
```

I am using IDL Version 8.0 (linux x86\_64 m64). (c) 2010, ITT Visual Information Solutions. When I run above IDL procedure, I get the following error:

```
IDL> .r MELPITZ_GOOGLE_PLOT.pro
% Loaded DLM: URL.
% Compiled module: MELPITZ_GOOGLE_PLOT.
IDL> MELPITZ_GOOGLE_PLOT
% Compiled module: READ_PNG.
% Loaded DLM: PNG.
    9.5546285
% Loaded DLM: XML.
% Attempt to call undefined method: 'MAPPROJECTION::MAPFORWARD'.
% Execution halted at: MELPITZ_GOOGLE_PLOT  34
```

I tried to search in Google for the possible solution to the problem but could not resolve. Am I missing some function files? Please suggest me to resolve this issue and go forward.

Thanks in advance

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