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Subject: Re: contour plots on map with Coyote Graphics System in postscript

Posted by [Alexandra Laeng](#) on Thu, 04 Oct 2012 21:52:19 GMT

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Ok, here is what I'm doing (after defining data, lon, lat and nlevels) in order to simply plot a data projected on map directly into PostScript file:

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set\_plot, 'PS'

PageParam = PSWINDOW(/LANDSCAPE, /CM, PAGESIZE='A4')

PS\_START, filename = work\_path+'profiles\_correlation\_on\_map.ps'

levels = cgConLevels(Float(data), NLevels=nlevels+1, MinValue=Floor(Min(data)), STEP=step,

Factor=1)

LoadCT, 0

cgLoadCT, 2, /Reverse, /Brewer, NColors=nlevels-1, Bottom=1

TVLCT, cgColor('white', /Triple), nlevels

map = Obj\_New('cgMap', 'Equirectangular', Ellipsoid=19, \$

XRange=xrange, YRange=yrange, /LatLon\_Ranges, CENTER\_LON=center\_lon, \$

Position=[0.1, 0.1, 0.9, 0.8], Limit=[Min(lat), Min(lon), Max(lat), Max(lon)])

map -> AddCmd, Method='Erase'

map -> AddCmd, Method='Draw'

cgContour, data, lon, lat, /Cell\_Fill, /Overplot, /Outline, C\_Colors=Indgen(nlevels)+1,

Levels=levels, Map=map, OutColor='White', /AddCmd

cgMap\_Grid, Map=map, /Box, /AddCmd

cgMap\_Continents, Map=map, Color='tomato', /AddCmd

cgColorbar, Range=[Min(levels), Max(levels)-step], OOB\_High=nlevels, \$

NColors=nlevels-1, Bottom=1, /Discrete, \$

Title='Temperature ' + cgSymbol('deg') + 'K', \$

Position=[0.1, 0.91, 0.9, 0.95], /AddCmd

cgControl, Execute=1

PS\_END

set\_plot, 'X'

=====

and here is what I get:

CGMDWINDOW::INIT-> WSET: Routine is not defined for current graphics device

Do you by any chance see what am I doing wrong?

Alex

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