
Subject: MAP_SET

Posted by [dean](#) on Wed, 21 Jun 1995 07:00:00 GMT

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I was just reading about the new enhanced mapping features with IDL 4.0. I have been using IDL for several years and I am still unable to add a map to a satellite image with one (or two) points off the globe.

Is there a way to add a map? Can you help me? Here is a sample to read in a GOES-8 image located on anonymous FTP <ftp://castor.cira.colostate.edu/dean> called nhemi.img. I provided a mapset with the corner information and sub-satellite point. One point is off the globe.

I also tried adding a map with just the 4 limit values. The map overlay is to small.

If anyone has an idea to get this to work - let me know.

I am using IDL 4.0 for Window NT.

Kelly Dean
CSU/CIRA

```
=====
DO_THIS.PRO=====
```

```
PRO DO_THIS
;
; Read raw image. Located at anonymous ftp://castor.cira.colostate.edu/dean.
;
xsize = 1024
ysize = 768
OPENR, unit, 'jerbe:NHEMI.IMG', /GET_LUN
image = bytarr(xsize,ysize)
scan = bytarr(xsize)
FOR J = 0,ysize-1 DO BEGIN
  readu, unit, scan
  image(0,(ysize-1)-J) = scan
ENDFOR
close, unit
FREE_LUN, unit
;
; Display image.
;
WINDOW, 0, XSIZE=xsize, YSIZE=ysize, Title = 'Map Test'
TV, image
;
; Add map to image.
```

```

;
; Lat0 = 0.000000
; Lon0 = -75.5000

; NW_lat = -9999.99
; NW_lon = -9999.99

; NE_lat = 51.2992
; NE_lon = -56.5387

; SE_lat = 13.9659
; SE_lon = -64.2103

; SW_lat = 14.3917
; SW_lon = -111.595

North = 51.2524
East  = -62.5701
South = 13.9614
West  = -118.715
map_set, lat0, lon0, 0, $
    sat_p = [6.6107650,0,0], $
    /Satellite,      $
    /USA,            $
    /GRID,           $
    /NOERASE,        $
    /NOBORDER,       $
    Xmargin = [0,0], $
    Ymargin = [0,0], $
    Limit   = [South, West, North, East]
;    Limit = [NW_lat, NW_lon, $
;            NE_lat, NE_lon, $
;            SE_lat, SE_lon, $
;            SW_lat, SW_lon ]
END

```
