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 //castor.cira.colostate.edu/dean called nhemi.img. I provided a mapset with the corner information and subsatellite 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

PRO DO_THIS Read raw image. Located at anonymous ftp//castor.cira.colostate.edu/dean. xsize = 1024ysize = 768OPENR, 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,(vsize-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
```