
Subject: Re: diferent results in program and envi
Posted by [Jeff N.](#) on Wed, 01 Aug 2007 15:04:57 GMT
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On Aug 1, 4:58 am, "skymaxw...@gmail.com" <skymaxw...@gmail.com> wrote:

```
> Hello. I have some images and some GCP for each. I georeferenced some
> of them by ENVI.
> now i want to do this by program. But my results are different. Why ?
> Here is fragment of my source code
>
> .....
> ;;;;;;;;;;
> ...
> pts0=[[geo_points[0,0],geo_points[1,0],0.0,0.0],$
>        [geo_points[0,1],geo_points[1,1],ns-1,0.0],$
>        [geo_points[0,2],geo_points[1,2],0.0,nl-1],$
>        [geo_points[0,3],geo_points[1,3],ns-1,nl-1],$
>        print,'pts0'
>        print,pts0
>
> ;units=ENVI_TRANSLATE_PROJECTION_UNITS('Degrees')
> proj=ENVI_PROJ_CREATE(/GEOGRAPHIC)
> pixel_size=[0.00011710,0.00009006]
> ;proj=ENVI_PROJ_CREATE(/UTM,ZONE=UTM_Zone,DATUM='WGS-84')
>
> ENVI_DOIT,'ENVI_REGISTER_DOIT',$
>         W_FID=fid,$
>         W_POS=pos,$
>         W_DIMS=dims,$
>         METHOD=5,$
>         PIXEL_SIZE=pixel_size,$
>         PTS=pts0,$
>         PROJ=proj,$
>         R_FID=r_fid,$
>         OUT_NAME='D:\pts0',$
>         OUT_BNAME='my transform'
> .....
> ;;;;;;;;;;
>
> and another question how define pixel size by my program?
>
> Thanks
```

How are the results different? How do you know which answer is the right one? (in other words: what if you're doing it wrong by hand?) And aren't you defining a pixel size in the code you just posted? Or are you asking how to calculate it I guess?

Jeff
