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Subject: Re: differenct values between Map Coordinate Converter and  
envi\_convert\_projection\_coordinates

Posted by [caf.pang](#) on Fri, 11 Mar 2011 21:33:29 GMT

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On Mar 11, 4:31 pm, Pang Yong <caf.p...@gmail.com> wrote:

> Dear Folks,  
>  
> There is tens of meters difference between Map Coordinate Converter  
> and envi\_convert\_projection\_coordinates when I try to conver from  
> State Plane system to UTM system. Would you please help me out?  
> Setting in Map Coordinate Converter:  
> First Coordinate:  
>   Proj : State Plane (North Carolina)  
>   Datum: North America 1983  
> Second Coordinate:  
>   Proj : UTM, Zone 16 North  
>   Datum: WGS-84  
>  
> Code for envi\_convert\_projection\_coordinates  
>   iproj = ENVI\_PROJ\_CREATE(/State\_Plane,datum='NAD83', zone=3200)  
>   oproj = ENVI\_PROJ\_CREATE(/utm,datum='WGS 84',zone=16)  
>   ixmap = [568543.280000]  
>   iymap = [620005.240000]  
>  
> envi\_convert\_projection\_coordinates, ixmap, iymap, iproj, oxmap,  
> oymap, oproj  
> Test value: x 568543.2800, y 620005.2400  
> Map Coordinate Converter out value: x 790506.3042, y 3917483.1830  
> envi\_convert\_projection\_coordinates out: x 790522.86, y 3917290.2  
>  
> Thanks,  
> Yong

Please note the unit is Feet in State Plane and meter in UTM.

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