
Subject: Conversions among datums and geographic coordinates

Posted by [Joe Means](#) on Mon, 08 Nov 1999 08:00:00 GMT

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I would like to find a routine or group of routines to convert among datums [NAD27, NAD83], and projection systems [e.g., state plane, UTM] and coordinates systems [lat-long, cartesian] that can be called from within IDL. I have been looking for this for a while with limited success. Any one have ideas?

Joe Means

File Attachments

1) [means.vcf](#), downloaded 134 times

Subject: Re: Conversions among datums and geographic coordinates

Posted by [davidf](#) on Fri, 12 Nov 1999 08:00:00 GMT

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Joe Means (means@fsl.orst.edu) writes:

```
> Thanks to all who responded to my request for info. I have been using Proj4
> program suite, specifically routine nad2nad, for several years and it works
> OK once I get around its quirks. For example, This does not work:
> nad2nad -i spcs=83,4602,feet -o 83,utm=10 -r conus <_ewns.dta
>> _new_ewns.dta
> but this does:
> nad2nad -i spcs=83,4602,feet -o 83,utm=10 <_ewns.dta >_new_ewns.dta
```

I can see why people like IDL.

I'm even beginning to appreciate how a statement like:

```
Print, Where( A NE A)
```

has the power to keep the boss from snooping around too often. :-)

Cheers,

David

--

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Coyote's Guide to IDL Programming: <http://www.dfanning.com/>

Toll-Free IDL Book Orders: 1-888-461-0155

Subject: Re: Conversions among datums and geographic coordinates

Posted by [Joe Means](#) on Fri, 12 Nov 1999 08:00:00 GMT

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but this does:

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nad2nad -i spcs=83,4602,feet -o 83,utm=10 <_ewns.dta >_new_ewns.dta
```

I like corpscon but have not been able to find callable modules [probably nadcon and vertcon?] for it. I'd appreciate help here.

Joe Means

Med Bennett wrote:

```
> You can find an executable that does all this at  
> http://crunch.tec.army.mil/software/corpscon/corpscon.html  
> I don't know if you can get source code out of them however.  
>  
> Joe Means wrote:  
>  
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