## Subject: Conversions among datums and geographic coordinates Posted by Joe Means on Mon, 08 Nov 1999 08:00:00 GMT

View Forum Message <> Reply to Message

I would like to fine 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 99 times

Subject: Re: Conversions among datums and geographic coordinates Posted by davidf on Fri, 12 Nov 1999 08:00:00 GMT

View Forum Message <> Reply to Message

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 querks. 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

--

David Fanning, Ph.D.

Fanning Software Consulting

Phone: 970-221-0438 E-Mail: davidf@dfanning.com

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

View Forum Message <> Reply to Message

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 querks. 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 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:
- >
- >> I would like to fine 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