Subject: Re: Amazingly accurate UTM <-> Lat/Lon transformations
Posted by David Fanning on Wed, 18 Sep 2013 13:04:13 GMT
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Tom Grydeland writes:

> So -- the information was intended for those who persist in doing this, even when told that it may not be the best of ideas, and to show them that the transformations _can_ be made in an invertible way, using the expressions from Wikipedia rather than IDL's mapping routines. Furthermore: IDL's routines will happily accept the task of transforming to UTM projections a quarter of a globe away, even if the morality of such action can be questioned. Given that the task
will be performed, I think an accurate result is to be preferred over a wildly inaccurate one. Don't you agree?

I agree that wildly inaccurate results should be avoided. ;-)

I'm not totally convinced the way to avoid them in this case is to roll
your own software. I'd rather see folks fix the problem by using map
projection software correctly. My guess is that both of our efforts will
prove to be for naught for most users. :-)

Cheers,

David
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Coyote's Guide to IDL Programming: http://www.idlcoyote.com/
Sepore ma de ni thue. ("Perhaps thou speakest truth.")