Subject: Re: create an UTM grid
Posted by David Fanning on Wed, 30 Nov 2011 23:01:09 GMT
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nata writes:

> Well, it seems that nobody knows the answer... I hope that my code is
> correct and this is another IDL weird issue.

Humm. I wrote an answer, but I don't think it has been delivered,
for some reason.

I think the values are essentially correct. Your XY projected
grid is, essentially, a piece of graph paper put down on a flat
map projection. Your great circle distance is the distance
around a sphere. I would *hope* they were different values,
in fact.

That said, plotting a row of your longitude grid shows
a disturbing regularity to the way the data varies. As
if there were a systematic error of some sort. I don't
really know what to make of it, and haven't had time
the past couple of days to investigate further.

Cheers,

David

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