Subject: Re: how to calculate distance from pairs of latitude/longitude measurements?

Posted by Bruce Bowler on Wed, 11 Mar 2009 20:07:24 GMT

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On Wed, 11 Mar 2009 12:49:41 -0700, llo wrote:

- > I found MAP PROJ FORDWARD function to convert lat/lon to cartesian
- > coordinates. So, calculate the distance between 2 cartesian points it's
- > eaasy.

>

The problem is when I use this function. The following problem ocurs:

> alb\_cart=MAP\_PROJ\_FORWARD(-73.83,42.70) % MAP\_PROJ\_FORWARD: Value of

- Projection index is out of allowed range. % Execution halted at: \$MAIN\$
- >
- (-73.83,42.70) are a valid lat/lon coordinates of station situated in
- > Albany, USA.
- > MAP STRUCTURE is required to use this function (MAP PROJ FORWARD) but I
- > don't know which mapping projection use.

> Any suggestions !?

Egn's for doing anything you want with lats and longs can be found here...

http://williams.best.vwh.net/avform.htm

Converting them to IDL is left as an exercise for the reader (warning be careful with your signs if you use his formulae, the fly-boys appear to be out of step with the rest of the world :-)

**Bruce**