Subject: Re: number problem

Posted by pgrigis on Thu, 10 Jul 2008 20:14:54 GMT

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R.G. Stockwell wrote:
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> <pgrigis@gmail.com> wrote in message
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- news:c8f5bb5a-7b15-4abd-bf13-1587add65abe@j22g2000hsf.google groups.com...
- >> R.G. Stockwell wrote:
- >>> <d.poreh@gmail.com> wrote in message
- >>> news:43fbf367-1b18-473e-a047-3ce39612f806@x35g2000hsb.google groups.com...
- >>> .... snipped ...

>>>

>>> yes that was the problem!!1

>>>> it is works properly.but for lat-lon data as you can see it is not:

>>> 499690.96 3387795.6

>>>

>>>> i need more details like this

>>> 499690.95879779 3387795.57157002

>>>

>>> WHOA WHOA WHOA!!

>>>

- >>> While we are being pleasant and thinking about what we are doing,
- >>> let's think about what it means when you say you need 8 digits of
- >>> lat and lon. (hint, think in millimeters)

>>>

>>>

- >>> Granted this is somewhat beside the point of how to read data, but if
- >>> anyone
- >>> ever reviews a lat or a lon with more than 2 decimal points, they will
- >>> flag
- >>> it.

>>

- >> On the other hand, google maps will pinpoint
- >> the location of my office at

>>

>> 42.381009N, 71.128014W

>>

- >> whereas that would be a bit off if it only
- had 2 decimals...;-)

>>

- >> Ciao,
- >> Paolo

- > True, 2 decimals places is about 1km (roughly). But 71.128014W
- > implies a precision of about 10 cm. That is smaller than the window.
- > Geophysical data that is large enough to use lat and lon, is quite
- > often not taken on a resolution of cms.

>

- > Incidentally, three decimal places works just fine.
- > 42.381N, 71.128W (100 m resolution)

Yes, that's also better suited to ward off the horde of IDLprogrammers wannabes that would otherwise knock on my door ;-) ;-)

Ciao, Paolo

- > I used latitude with minutes and seconds in my phd defense, noting the
- > position of
- > an instrument. The examiner called me on it. Luckily I had used
- > extremely detailed plots of the land to determine the lat and lon,
- > and it did have an accuracy down to 10 meters. :)

> >

- > Cheers,
- > bob