
Subject: Re: number problem

Posted by [pgrigis](#) on Thu, 10 Jul 2008 20:14:54 GMT

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R.G. Stockwell wrote:

> <pgrigis@gmail.com> wrote in message

> 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 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 IDL-programmers 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
-