Subject: Longword plotting problems...
Posted by Geraint H. Jones on Mon, 22 Jun 1998 07:00:00 GMT

Hi,

I'd be glad of any help with this...

I'm handling data files (well, trying to!) in which the time is recorded
as the number of seconds since the beginning of 1950 (I know it's not
the easiest format to deal with, but it's what I have to work with). In
order to get precision to the level of seconds, I have to use longword
arrays.

This is all fine, but the problem is plotting using the longword arrays.
Whatever plot ranges I choose, the time values in the plots are
quantized, i.e. they do not increase smoothly, even though the values
in the array itself increase smoothly. I've attached a short piece of
example code below to demonstrate this...

I know I can get around this by converting the times to other units, but
I'd really like a solution which would let me use seconds since 1950.0.

(I'm running IDL Version 5.0 (sunos sparc)).

Thanks for any help,
Geraint Jones

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; Example code

 time=lindgen(10)+13254100

 data=findgen(10)

 plot,time,data

; Just to show that time should increase smoothly in the plot

 print,time
```