Subject: Re: How to add 'd' to get the correct julian conversion ?
Posted by David Fanning on Thu, 23 Jan 2003 22:15:46 GMT
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Kolbjorn Bekkelund (kolbjorn@arctic-linux.tnett.no) writes:

> I've checked my array a bit more and it seems as if there's something
> wrong with it. From the file I'm reading in with read-ascii I should
> have this:
> 2452662.499876 2.719500 6.216000 343.494000
> 955.793400 93.911600 -5.444307
>
> but the print, data in IDL shows:
> 2.45266e+06 2.71950 6.21600 343.494 955.793
> 93.9116 -5.44431
>
> If I replace the read-acsii with Reimar Bauers read_data_file I get:
> 2452662.5 2.7195000 6.2160000 343.49400
> 955.79340 93.911600 -5.4443070
>
> but as you see the julian date in the first element is wrong in both
> arrays. How can I do ensure that I get all digits inserted ?

Ah, yes, I suspected this might be the problem earlier, but
I didn't have time to respond properly. I think you will
be interested in this article:

http://www.dfanning.com/math_tips/sky_is_falling.html

The specific answer to your question is to read your
data into a double-precision variable. Since I've never
used READ_ASCII I can't tell you how to do this, although
I presume there must be a way. :-(

Cheers,

David
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