
Subject: Re: JULDAY 5.4 not same as 5.3?
Posted by [pit](#) on Mon, 05 Mar 2001 18:03:06 GMT
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Don Woodraska <don.woodraska@lasp.colorado.edu> writes:

> I've pinpointed the problem.
>
> SUMMARY:
> ***
> The bug appears only with unsigned-long and unsigned-64-bit-long
> hour argument to JULDAY.

Hm, this is a much more general problem of unsigned data types, I
stumbled across it myself just two weeks ago.

I'm still not sure who's to blame, me (i.e. the programmer) or
IDL/RSI, but in general it does not make sense to take a negative of a
unsigned number, and IMHO there should also occur an automatic type
conversion as soon as a minus sign is involved. Currently, you get e.g.

```
IDL> x=5b  
IDL> print,-x  
251
```

Any comments on that?

Peter

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