Subject: JULDAY 5.4 not same as 5.3?
Posted by Don Woodraska on Thu, 01 Mar 2001 23:00:14 GMT
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<pre>Has anyone else noticed a bug in JULDAY that appeared in 5.4?</pre>

<pre>I tried this in IDL 5.3:</pre>

<pre>IDL> help,umm,udd,uyear,uhr,umin,usec
 UMM   &nb sp;   &nb sp;
LONG   =
;   2
 UDD   &nb sp;   &nb sp;
LONG   =
;   16
 UYEAR   & nbsp;
LONG   =
;   2001
 UHR   &nb sp;   &nb sp;
ULONG   =
;   0
 UMIN   &n bsp;
ULONG   =
;   0
 USEC   &n bsp;
ULONG   =
;   0
IDL> in_jday = julday(umm, udd, uyear, uhr, umin, usec)
IDL> gps0_jday = julday(1,6,1980,0,0,0)
</pre>

<pre>IDL> help,in_jday,gps0_jday
 IN_JDAY   &am p;nbsp;
DOUBLE   =   ; 2451956.5
 GPS0_JDAY   & amp;nbsp; DOUBLE
=   ; 2444244.5
</pre>

<pre></pre>

<pre>I did the same thing in IDL 5.4:</pre>

<pre>IDL> in_jday = julday(umm, udd, uyear, uhr, umin, usec)
IDL> gps0_jday = julday(1,6,1980,0,0,0)
IDL> help,in_jday,gps0_jday

IN_JDAY   &am p;nbsp;
DOUBLE   =   1.8140893e+08
GPS0_JDAY   & amp;nbsp; DOUBLE
=   ; 2444244.5
</pre>

<pre>Perhaps someone with more expertise/patience/time could figure out</pre>

<pre>what is really going on here. Anyone interested?</pre>

<pre>Cheers,</pre>

<pre>Don</pre>

<pre>--
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