Subject: Re: reading ascii in array merging with strsplit
Posted by Brian Larsen on Tue, 06 Feb 2007 14:46:33 GMT
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I just did this yesterday. Depending on what idl libraries you have installed this becomes trivial. Using the solarsoft library (http://www.lmsal.com/solarsoft/ssw_install.html) there is a function that makes this really easy. Unless you do solar physics, you should only need the binaries check box (any maybe not ever that) making it relatively small to download and install.

print, anytim2jd('6-2-1998 17:00')
{ 2455765 0.20833333}

I have gotten so used to solarsoft that I can no longer remember what is solarsoft and what is standard idl as there are a heck of a lot of routines for all sorts of things sin solarsoft.

Brian

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On Feb 6, 6:46 am, "leatherback" <jelle.ferwe...@rmit.edu.au> wrote:
> Hi All,
>
> I use a template to read_ascii data of the following format:
>
> D9 6-2-1998 17:00 37,59 0,59 36,5
>
> Which returns a structure of arrays.
>
> However, the date (6-2-1998) and time (17:00) I need to convert to
> julian time, which takes
>
> JULDAY(Month, Day, Year, Hour, Minute, Second)

>
> I -could- for each entry in the list do a strsplit:
>
>     daysarr = STRTRIM(strsplit(data.date[ThisLine], '-', /extract), 2)
>     timearr = STRTRIM(strsplit(data.time[ThisLine], ':', /extract), 2)
>
> and create the julian day:
>
>     Jul_Day = julday(daysarr[1],daysarr[0],daysarr[0],timearr[0],
> timearr[1], 0)
>
> This seems very elaborate if you repeat this hundreds of thousands of
> times. Is there a better solution to this? Can I somehow specify a
> template with multiple field separators?
>
> Thanks,
>
> Jelle.

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