
Subject: Re: Read ASCII time format question!!

Posted by [David Fanning](#) on Thu, 16 Oct 2014 21:02:08 GMT

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zolilemtumela@gmail.com writes:

- > I have a problem with the time format, I can plot but When I am print the time I got a float values. I would like to get time like 16:10 (hh:mm).
- > I tried to use strsplit for time but I am not winning. My problem is to be able to do time right.
- > Any suggestion will be appreciated! thanks in advance.

Here is how I would do it. I put your example data into a file I named "time_test.txt".

```
*****
;
filename = 'time_test.txt'

; Read the data in the file into strings.
rows = File_Lines(filename)
data = StrArr(rows)
OpenR, lun, filename, /Get_Lun
ReadF, lun, data
Free_Lun, lun

; Set up output data arrays.
bx_array = FltArr(rows)
by_array = FltArr(rows)
bz_array = FltArr(rows)
hour = IntArr(rows)
minute = IntArr(rows)

; Parse each row and print it out in the correct format.
FOR j=0,rows-1 DO BEGIN
    date = StrMid(data[j], 0, 9)
    time = StrMid(data[j], 11, 23)
    subString = StrMid(data[j], 24)
    ReadS, subString, bx, by, bz
    parts = StrSplit(time,':', /Extract)
    hour[j] = Fix(parts[0])
    minute[j] = Fix(parts[1])
    bx_array[j] = bx
    by_array[j] = by
    bz_array[j] = bz
    Print, String(hour[j],Format='(I2.2)') + '!' + $
        String(minute[j],Format='(I2.2)'), $
        bx_array[j], by_array[j], bz_array[j], $
        FORMAT='(A5, 2x, 3(F0.5, 2x))'
ENDFOR
```

END

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Cheers,

David

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Coyote's Guide to IDL Programming: <http://www.idlcoyote.com/>

Sepore ma de ni thue. ("Perhaps thou speakest truth.")
