Subject: reading time format
Posted by limiqt on Thu, 28 Jan 2016 16:04:18 GMT

Hi everyone,
I was wondering if someone could show me how to read a time in IDL. My orignal data are huge and I have about 200 of those files so using Read_ASCCI funtion is not a option. Only the first column is date and the others columns are numbers.

So I need to read the time (eg. 9/30/2015 22:00)

To simplify I have has this example

datain

9/30/2015 23:00 3 10
9/30/2015 23:30 4 10
10/1/2015 0:00 5 10
10/1/2015 0:30 6 10

And My code looks like:

```
Pro MyCode
Close, /All

FileIn='data_in'
MyFormat='(C(CMOI2.2,"/",CDI2.2,"/",CYI4,1x,CHI2.2,":",CMI2.2), 1x, 2(I2,1x))'

M=FltArr(3,4)

OPENR, unit, dataIn,/GET_LUN
READF, unit, M, format = MyFormat
PRINT, FORMAT=MyFormat, M
FREE_LUN, unit

Print, 'Done :-)'
End
```

However, I am getting then message:
% Unable to apply format code CYI to input: "/201".

Does some could tell me what I am doing wrong?

Thanks

Lim

Subject: Re: reading time format
Posted by greg.addr on Mon, 01 Feb 2016 11:56:49 GMT
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This works...

IDL> s='9/30/2015 23:17 3 10 '
IDL> t=0d
IDL> d[0,0]
IDL> reads,s,t,d,format='(C(CMOI,CDI,x,CYI,x,CHI,x,CMI), 2(I2,1x))'
IDL> caldat,t,mn,dy,yr,hr,mt & print,yr,mn,dy,hr,mt,d
    2015   9   30   23   17   3   10

I built up the format code one unit at a time - I'm not sure why CMOI is not follwed by an x, when CDI is. I think the '/' must be behaving as a special char here.

Note that you must use a double to read time with minutes.

cheers,
Greg

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