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Subject: Re: Time conversion for .nc file

Posted by [David Fanning](#) on Wed, 13 Nov 2013 15:44:01 GMT

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Madhavan Bomidi writes:

> I have date & UTC time in tow columns as [YYYYMMDD HRMISE], where YYYY - Year, MM - Month, DD - day, HR - Hours, MI - Minutes, SE - Seconds. Now, I wanted to convert to the "time" variable according to NetCDF convention. I mean to say that I wanted to convert my date & UTC time values to "time" in seconds since 1970-01-01 00:00:00 (in UTC). Can anyone help me how I can use SYSTIME function available in IDL?

I wouldn't use the SYSTIME function. I would use the JULDAY function. I would read the two columns of data as a single string array. Then, I would do something like this (using a scalar string as an example, but this will work for a string array, too):

```
str = '20131113 083122'
year = Fix(StrMid(str,0,4))
mon = Fix(StrMid(str,4,2))
day = Fix(StrMid(str,6,2))
hour = Fix(StrMid(str,9,2))
min = Fix(StrMid(str,11,2))
sec = Fix(StrMid(str,13,2))
jultime = JulDay(mon,day,year,hour,min,sec) - JulDay(1,1,1970,0,0,0)
ncdfTime = jultime * 24 * 60 * 60
print, ncdfTime
```

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.")

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