
Subject: scopes

Posted by [spluque](#) on Fri, 20 Sep 2013 21:28:04 GMT

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Hi,

Using the following script to convert calendar date to day of year (test.pro):

```
FUNCTION calendar2doy, year, month, day
  jd=julday(month, day, year)
  caldat, jd, Null, Null, year
  doy=string(jd - julday(12, 31, year - 1), format='(i03)')
  RETURN, doy
END
```

```
PRO TEST
  year=2011
  mon=10
  day=15
  DOY=calendar2doy(year, mon, day)
  RETURN
END
```

I expected the variable year in the TEST procedure to remain as defined (the long integer 2011), but this is what I see after calling the call to calendar2doy with a breakpoint at the RETURN line:

```
IDL> .run "test.pro"
% Compiled module: CALENDAR2DOY.
% Compiled module: TEST.
IDL> breakpoint,'test.pro',14
IDL> test
% Compiled module: JULDAY.
% Compiled module: CALDAT.
% Breakpoint at: TEST          14 test.pro
IDL> print, year
      2012
```

What am I missing?

Cheers,
Seb
