
Subject: Re: Text output line too short, width = val not working

Posted by [laura.hike](#) on Thu, 04 Jun 2015 19:07:05 GMT

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Hi David,

Thanks for the reply. I agree that the format statement is the next thing to look at, so I will do that and post the results. In response to your points, though,

1) The format statement only contains data formats (A, F, or I) and spaces (X), no carriage returns or other funky things. (I never use carriage returns.)

2) I read the file in vi. vi wraps the text to the size of the window, breaking at whatever character is at the edge of the screen. If you resize the window, the wrapping changes accordingly. In this case, the header line is longer than the line of data and only wraps when the window is small. The last two values in the data line always appear on a separate line, regardless of the size of the window. In vi, characters have uniform width, so there's no cheating there.

3) According to the Exelis documentation, there is a limit to the number of characters in a line for printf (80), and this can be overcome by using a WIDTH parameter in the openw statement. It's not obvious that this would only apply to lines consisting of a single string variable vs a number of them written one after the other. A punch card is a punch card. You hit the end and it's over, if not, then not. I'm baffled by this.

Interestingly, I often run into the problem of a single printf statement printing to multiple lines when I DON'T use a FORMAT statement. Putting in an explicit format usually helps, and allows me to make the line longer than when I rely on IDL standard formatting.....

On Thursday, June 4, 2015 at 7:11:42 AM UTC-7, David Fanning wrote:

> Laura H. writes:

>

>> I'm writing an ascii file of data and some of the numbers are wrapping to a second line. On a couple of web pages, I find a suggested solution of adding width = somevalue to the end of my openw statement. I tried several different values, all the way up to 400, and found no change in my output. Any idea why this is? The relevant code and output lines are below. Interestingly, the header line (just text) prints out fine regardless of whether I use a width parameter.

>

> Well, you are using a FORMAT statement. So, I wouldn't expect a change
> when the WIDTH of the line is changed. If the FORMAT statement doesn't
> allow a single line of output, EVEN when the WIDTH of the line is
> changed, I would immediately suspect something is up with the FORMAT
> statement.

>

> Yours is so complicated, however, that I can't tell what the problem
> might be. Try a very simple FORMAT and see if that doesn't shed some
> light on this problem, before you retreat to your more complicated

> design.
>
> Cheers,
>
> David
>
> P.S. You ARE sure that the wrapping you are seeing is not related to the
> configuration of the software you are using to view the output file,
> right? For example, I have to turn Word Wrap off in my Notepad
> application to view these kinds of text files properly.
> --
> David Fanning, Ph.D.
> Fanning Software Consulting, Inc.
> Coyote's Guide to IDL Programming: <http://www.idlcoyote.com/>
> Sepore ma de ni thue. ("Perhaps thou speakest truth.")
