Subject: Problem saving a simple png plot
Posted by steven.abel on Tue, 19 Dec 2017 09:47:15 GMT

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Hi

I am having an issue with saving a png file from a plot with Julian days on the x-axis (IDL 8.2). A very simple example is below

 p=PLOT([0,1],[0,1],XRANGE=[5,28],/NODATA,DIMENSIONS=[1400,40 0])
p.SAVE,'test.png'

The above works ok - xrange has small numbers

 p=PLOT([0,1],[0,1],XRANGE=[2457981.5,2458004.5],/NODATA,DIME NSIONS=[1400,400])
p.SAVE,'test2.png'

The above doesn't work where xrange now has example Julian days (larger numbers). The png file does not display the axes properly. I have tried playing around with the resolution keywords but this does not seem to help.

Any ideas?

Cheers

Steve

Subject: Re: Problem saving a simple png plot
Posted by Markus Schmassmann on Tue, 19 Dec 2017 10:36:27 GMT

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On 12/19/2017 10:47 AM, Steve wrote:
> I am having an issue with saving a png file from a plot with Julian
> days on the x-axis (IDL 8.2). A very simple example is below
>
>
> p=PLOT([0,1],[0,1],XRANGE=[5,28],/NODATA,DIMENSIONS=[1400,40 0])
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>
> The above works ok - xrange has small numbers
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> p=PLOT([0,1],[0,1],XRANGE=[2457981.5,2458004.5],/NODATA,DIME NSIONS=[1400,400])
>
> p.SAVE,'test2.png'
>
> The above doesn't work where xrange now has example Julian days

> (larger numbers). The png file does not display the axes properly. I
> have tried playing around with the resolution keywords but this does
> not seem to help.
try one of these:

```
p3=PLOT([0,1],[0,1],XRANGE=[2457981.5,2458004.5],/NODATA, $
    DIMENSIONS=[1400,400],xtickformat='(C(CMoA,x,CDI))', $
    xtickvalues=[2457982.5:2458002.5:5])
p4=PLOT([0,1],[0,1],XRANGE=[2457981.5,2458004.5],/NODATA, $
    DIMENSIONS=[1400,400],xtickformat='(i7)')
```

otherwise manually set the ticks using xtickvalues,xticknames,xminor

I don't see any problems with saving to png for IDL 8.6 with your code,
but getting rid of the exponents might help. Anyhow it makes your axis
more readable.

I hope this helps,   Markus

Subject: Re: Problem saving a simple png plot
Posted by steven.abel on Tue, 19 Dec 2017 10:42:51 GMT
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On Tuesday, 19 December 2017 10:36:30 UTC, Markus Schmassmann wrote:
> On 12/19/2017 10:47 AM, Steve wrote:
>> I am having an issue with saving a png file from a plot with Julian
>> days on the x-axis (IDL 8.2). A very simple example is below
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>>
>> p.SAVE,'test2.png'
>>
>> The above doesn't work where xrange now has example Julian days
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> try one of these:
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> p3=PLOT([0,1],[0,1],XRANGE=[2457981.5,2458004.5],/NODATA, $
>   DIMENSIONS=[1400,400],xtickformat='(C(CMoA,x,CDI))', $
>   xtickvalues=[2457982.5:2458002.5:5])

> p4=PLOT([0,1],[0,1],XRANGE=[2457981.5,2458004.5],/NODATA, $
>   DIMENSIONS=[1400,400],xtickformat='(i7)')
>
> otherwise manually set the ticks using xtickvalues,xticknames,xminor
>
> I don't see any problems with saving to png for IDL 8.6 with your code,
> but getting rid of the exponents might help. Anyhow it makes your axis
> more readable.
>
> I hope this helps,   Markus

Hi

Yes I do use xtickformat='(C(CMoA,x,CDI))', but wanted to keep the example as simple as possible. Both of the examples you gave also result in the same problem in the png file - the right hand y-axis is incomplete.

Perhaps it is an issue with IDL 8.2?

Steve

Subject: Re: Problem saving a simple png plot
Posted by Phillip Bitzer on Wed, 20 Dec 2017 23:41:14 GMT
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On Tuesday, December 19, 2017 at 4:42:54 AM UTC-6, Steve wrote:
Both of the examples you gave also result in the same problem in the png file - the right hand y-axis is incomplete.

>
> Perhaps it is an issue with IDL 8.2?
>
> Steve

Hmm...what do you mean the right hand y-axis is incomplete? Your examples seem to work under 8.5.1.

Is it just the png that's wrong, or is it also a problem on screen?

Subject: Re: Problem saving a simple png plot
Posted by steven.abel on Thu, 04 Jan 2018 11:07:38 GMT
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On Wednesday, 20 December 2017 23:41:18 UTC, Phillip Bitzer wrote:
> On Tuesday, December 19, 2017 at 4:42:54 AM UTC-6, Steve wrote:
> Both of the examples you gave also result in the same problem in the png file - the right hand

y-axis is incomplete.
>>
>> Perhaps it is an issue with IDL 8.2?
>>
>> Steve
>
> Hmm...what do you mean the right hand y-axis is incomplete? Your examples seem to work under 8.5.1.
>
> Is it just the png that's wrong, or is it also a problem on screen?

Yes it is just the png files - it looks fine on the screen.

Unfortunately I only have access to IDL 8.2