
Subject: Re: Making a ginormous 54 panel plot...

Posted by [OUWxGuesser](#) on Wed, 01 Dec 2010 21:57:14 GMT

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Sadly, the big array is too large for the memory. When I use the TV route and try to TVRD at the end, it spits out "TVRD: An error has occurred. Unable to complete command."

On Dec 1, 2:49 pm, "Kenneth P. Bowman" <k-bow...@null.edu> wrote:

> In article

> <5d27124d-2a89-4667-b024-dd293bda5...@f21g2000prn.googlegroup s.com > ,

>

>

>

> OUWxGuesser <aaron.kenn...@und.nodak.edu> wrote:

>> Here's the deal. I have 54 .png plots I want to combine into a 9x6

>> panel plot in IDL. Native resolution for each image is 1000x700

>> pixels. This exceeds the maximum buffer size of 8192x8192.

>

>> No problem... I use congrid and shrink everything to 90% of the

>> original size which gives me a final image size of 8100x3780.

>

>> In my code, I first specify the window as:

>> p=window(dimensions=[8100,3780])

>

>> I then loop through the files I need to panelize (or is it

>> penalize? :)) and place them in the appropriate places. This

>> works.

>

>> The issue I have is IDL does not listen to my dimensions for the

>> original window! Instead, it creates a window that is 8192x2632.

>> This creates large whitespace between the columns and shrinks the

>> individual panels beyond the original 90% of the original size I

>> specified. This makes things tough to read which defeats the

>> purpose... I want to place these plots on a poster for a conference.

>> My alternative *cringe* is to use GIMP to cut and paste the 54 plots

>> manually. Yikes!

>

>> I have tried messing with the buffer settings thinking this might be

>> the source of the problem, but I just end up getting MESA frame

>> buffer errors and in some cases, IDL crashes to the desktop with no

>> warning. If anyone has any suggestions or assistance, I'd greatly

>> appreciate it!

>

> Why are you opening a window?
>
> Can't you just read the PNG files, concatenate or copy them
> into your big array, then write the array out as a new PNG.
>
> Ken Bowman
